# KANDULA SRINIVASA REDDY MEMORIAL COLLEGE OF ENGINEERING (AUTONOMOUS)

#### KADAPA-516003. AP

(Approved by AICTE, Affiliated to JNTUA, Ananthapuramu, Accredited by NAAC)

(An ISO 9001-2008 Certified Institution)

#### DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



#### VALUE ADDED COURSE

ON

"SHELL PROGRAMMING"

Resource Person : Mrs. V. Sudha, Assistant Professor, Dept. of CSE, KSRMCE

Course Coordinator: Mrs. B. Manorama Devi, Assistant Professor, Dept. of CSE, KSRMCE

Duration: 28/11/2022 to 04/01/2023



#### (UGC-AUTONOMOUS)

Kadapa, Andhra Pradesh, India-516 003



An ISO 14001:2004 & 9001: 2015 Certified Institution



Lr./KSRMCE/CSE/2022-23/

Date: 25-11-2022

To The Principal, KSRMCE, Kadapa.

Respected Sir,

Sub: Permission to Conduct Value added Course on "SHELL PROGRAMMING" 28/11/2022 to 04/01/2023 - Req- Reg.

The Department of Computer Science and Engineering is planning to offer a Value Added Course on "SHELL PROGRAMMING" to B. Tech. students. The course will be conducted from 28/11/2022 to 04/01/2023. In this regard, I kindly request you to grant permission to conduct Value Added Course.

Thanking you sir,

Yours faithfully

(B. Manorama Devi, Asst. Professor in CSE)

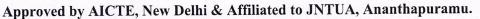
Permi / Fed NW / 11/2022 V. S. S. 25/11/2022

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Cr./KSRMCE/CSE/2022-23/

Date: 26/11/2022

#### Circular

The Department of Computer Science and Engineering is offering a Value Added Course on "SHELL PROGRAMMING" from 28/11/2022 to 04/01/2023 to B.Tech students. In this regard, interested students are requested to register for the Value Added Course with following registration link.

https://forms.gle/FjeoSpBAZDj238sa8

For further information contact Course Coordinator.

Course Coordinator: Mrs. B. Manorama Devi, Asst.professor, Dept. of CSE.-KSRMCE. Contact No: 9985725101

Dept. of CSE

Dr. V. LOKESWARA REDDY

M.Tech., Ph.D., Professor & HOD CSE K.S.R.M. College of Engineering (Autonomous) KADAPA - 516 005.

Cc to:

**IQAC-KSRMCE** 

# Registration form for Value Added Course on "SHELL PROGRAMMING" from 28/11/2022 to 04/01/2023

Name of the Student: *	
Roll Number: *	
Semester: *	
Mark only one oval.	
I Sem	
II Sem	
III Sem	
IV Sem	
V Sem	
VI Sem	
VII Sem	
( VIII Sem	

\* Indicates required question

mestamp	Name of the Student:	Roll Number:	Branch:	Semester:	Mobile Number: Email ID	
	SIDDHAMSETTY MADHA	209y1a0358	CSE	V Sem	8919805541 209y1a0358@ksrmce.ac.in	
11/28/2022 13:04:43		209y1a0504	CSE	V Sem	9014135674 209y1a0504@ksrmce.ac.in	
11/29/2022 14:59:14	Anchalasnehalatha	209y1a0508	CSE	V Sem	7013073744 209y1a0508@ksrmce.ac.in	
11/30/2022 9:35:29		209Y1A0510	CSE	V Sem	8179113595 209y1a0510@ksrmce.ac.in	
11/25/2022 17:46:42		209y1A0512	CSE	V Sem	7032231496 209y1A0512@ksrm.ac.in	
11/28/2022 20:05:42		209y1a0518	CSE	V Sem	6300340558 209y1a0518@ksrmce.ac.in	
11/28/2022 12:43:44		209y1a0527	CSE	V Sem	7799118775 209y1a0527@ksrmce.ac.in	
11/28/2022 12:34:25		209Y1A0530	CSE	V Sem	8309818680 209Y1A0530@ksrmce.ac.in	
11/28/2022 12:37:30		209Y1A0537	CSE	V Sem	7981809316 209y1a0537@ksrmce.ac.in	
11/28/2022 12:37:44		209Y1A0540	CSE	V Sem	9392646379 209Y1A0540@ksrmce.ac.in	
	C.Jagadeeswar Reddy	209Y1A0542	CSE	V Sem	9553584470 209y1a0542@ksrmce.ac.in	
11/25/2022 20:30:47		209Y1A0555	CSE	V Sem	9642526950 Gvks.2003@gmail.com	
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	Gochi Yoga Lakshmi	209y1a0558	CSE	V Sem	7207375590 209y1a0558@ksrmce.ac.in	
	GURRAMKONDA UMAF		CSE	V Sem	8897574189 209y1a0568@ksrmce.ac.in	
11/25/2022 15:55:24		209y1a0569	CSE	V Sem	7207136582 209y1a0569@ksrmce.ac.in	
11/30/2022 16:03:37		209Y1A0571	CSE	V Sem	6301335261 209Y1A0571@gmail.com	
11/28/2022 12:52:49		209Y1A0577	CSE	V Sem	7075091876 209Y1A0577@ksrmce.ac.in	
11/30/2022 17:24:43		209Y1A0587	CSE	V Sem	7989615061 209Y1A0587@ksrmce.ac.in	
11/29/2022 17:10:53		209Y1A0588	CSE	V Sem	6309924648 209Y1A0588@ksrmce.ac.in	
11/25/2022 20:41:02		209Y1A0596	CSE	V Sem	7989354153 209y1A0596@ksrmce.ac.in	
11/26/2022 19:11:46		209y1a05b0	CSE	III Sem	8247095119 209y1a05b0@ksrmce.ac.in	
11/28/2022 18:29:57		209y1a05e1	CSE	V Sem	9121557021 209y1a05e1@ksrmce.ac.in	
11/25/2022 10:23:37		209y1a05g3	CSE	V Sem	+917995515142 209y1a05g3@ksrmce.ac.in	
	S SUNKARA MOHAMMED		CSE	V Sem	9701381026 209Y1A05G4@ksrmce.ac.in	
11/25/2022 19:43:10		209y1a05g6	CSE	V Sem	9346393918 209y1a05g6@ksrmce.ac.in	
	Verramreddy Myna	209y1a05H9	CSE	V Sem	7993915495 209y1a05h9@ksrmce.ac.in	
	VELPUCHARLA VIGNE	and the contract of the second	CSE	V Sem	6302268845 209y1a05i0@ksrmce.ac.in	
	Yelugoti Jeshnavi	209y1a05i9	CSE	V Sem	6305872486 209y1a05i9@ksrmce.ac.in	
11/25/2022 16:15:4:		219Y1A0501	CSE	III Sem	9346808759 219Y1A0501@ksrmce.ac.in	
		219y1a0504	CSE	III Sem	9392400502 219y1a0504@ksrmce.ac.in	
11/27/2022 10:15:04 11/26/2022 17:28:4		219y1a0511	CSE	III Sem	8125256181 219y1a0511@ksrmce.ac.in	
	5 Bonala Venkateswarlu	219Y1A0514	CSE	III Sem	9381801085 219y1a0514@ksrmce.ac.in	
	7 B. Sree Harshitha	219Y1A0514	CSE	III Sem	8500470855 219Y1A0516@ksrmce.ac.in	
		219y1a0517	CSE	III Sem	9989181406 219y1a0517@ksrmce.ac.in	
	4 Byreddy Gowthami	219y1a0517 219y1a0519	CSE	III Sem	9398585313 219y1a0519@ksrmce.ac.in	
11/26/2022 17:48:3	Control of the Contro	219y1a0519 219y1a0520	CSE	III Sem	9347837496 219y1a0520@ksrmce.ac.in	
	9 C. Sathya Chakradhar	219y1a0523	CSE	III Sem	9346273590 219y1a0523@ksrmce.ac.in	
	0 C.Devendra Prasad	219y1a0532	CSE	III Sem	7075033985 reenadantham@gmail.com	
11/27/2022 16:48:4	1 Reena Dantnam 8 DUDEKULA KANDUKU	CACADAMACHA CACAMACHA CACA	CSE	III Sem	7569973553 219y1a0541@ksrmce.ac.in	

   Timestamp	Name of the Student:	Roll Number:	Branch:	Semester:	Mobile Number:	
11/27/2022 20:58:21		219Y1A0571	CSE	III Sem		219y1a0571@ksrmce.ac.in
	KARIMALA REVANTH AC	219Y1A0576	CSE	III Sem		219y1a0576@ksrmce.ac.in
11/26/2022 12:03:51		219y1a0577	CSE	III Sem		219y1a0577@ksrmce.ac.in
11/28/2022 11:21:22		219y1a0578	CSE	III Sem		219y1a0578@ksrmce.ac.in
11/27/2022 20:57:13		219Y1A0581	CSE	III Sem		219y1a0581@ksrmce.ac.in
11/25/2022 16:26:38		219y1a0583	CSE	III Sem		kolimikarthikeyan22@gmail.com
11/25/2022 16:27:24		219y1a0583	CSE	III Sem		kolimikarthikeyan22@gmail.com
11/28/2022 11:23:28		219y1a0591	CSE	III Sem		219y1a0591@ksrmce.ac.in
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	M.Sree Prasanna Durga		CSE	III Sem	8500409052	219Y1A05A5@ksrmce.ac.in
11/28/2022 10:11:35		219y1a05a6	CSE	III Sem		219y1a05a6@ksrmce.ac.in
11/25/2022 16:26:41		219y1a05a7	CSE	III Sem	8019403026	3 219y1a05a7@Ksrmce.ac.in
11/28/2022 10:57:13		219y1a05a9	CSE	III Sem	7670989417	' 219y1a05a9@ksrmce.ac.in
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11/25/2022 19:44:57		219y1a05b2	CSE	III Sem	99088 33464	219y1a05b2@ksrmce.ac.in
11/27/2022 4:54:19		219y1a05c1	CSE	III Sem	7671813885	5 219y1a05c1@ksrmce.ac.in
11/28/2022 16:09:52		219y1a05c1	CSE	III Sem	7671813885	5 219y1a05c1@ksrmce.ac.in
11/28/2022 10:09:32		219y1a05c2	CSE	III Sem	9966085183	3 219y1a05c2@ksrmce.ac.in
11/28/2022 10:11:30		219y1a05c4	CSE	III Sem	8341847950	219y1a05c4@ksrmce.ac.in
11/26/2022 15:40:58		219y1a05c6	CSE	III Sem	9493054206	3 219y1a05c6@ksrmce.ac.in
11/25/2022 19:40:36		219y1a05c7	CSE	III Sem	7207280805	5 219y1a05c7@ksrmce.ac.in
		219y1a05c8	CSE	III Sem	93816 47466	219y1a05c8@ksrmce.ac.in
11/26/2022 22:12:58		219y1a05c8	CSE	III Sem	93816 47466	219y1a05c8@ksrmce.ac.in
11/26/2022 22:14:4	5 Paradesi Harshitha	219y1a05d0	CSE	III Sem	9347142405	5 219y1a05d0@ksrmce.ac.in
		219y1a05d0	CSE	III Sem	9347142405	5 219y1a05d0@ksrmce.ac.in
	8 Paradesi Harshitha	219y1a05d1	CSE	III Sem	8688197163	3 219y1a05d1@ksrmce.ac.in
11/27/2022 17:39:5		219y1a05d6	CSE	III Sem	6300922517	7 219y1a05d6@ksrmce.ac.in
11/26/2022 11:19:1		219y1a05e5	CSE	III Sem	944140329	5 219y1a05e5@ksrmce.ac.in
11/25/2022 17:10:3	6 S.Sreevatsava Reddy	219Y1A05E8	CSE	III Sem		6 219y1a05e8@ksrmce.ac.in
	8 Shaik khadar basha	219y1a05f3	CSE	III Sem	798147770	1 219y1a05f3@ksrmce.ac.in
	7 S.Abhinay Kumar Redd		CSE	III Sem	949085822	1 219y1a05g5@ksrmce.ac.in
		219y1a05g5	CSE	III Sem	798190501	0 219y1a05i1@ksrmce.ac.in
11/27/2022 12:52:5		219y1a05i1	CSE	III Sem	799592017	3 219y1a05j5@ksrmce.ac.in
11/26/2022 19:27:3 11/27/2022 19:50:4	7 Y.saisandeepreddy	219Y1AO569	CSE	III Sem	970409549	9 219Y1AO569@ksrmce.ac.in

	Name of the Student:	Roll Number:	Branch:	Semester:	Mobile Number: Email ID
micotamp			CSE	III Sem	9010673414 219y1a05d7@ksrmce.ac.in
	PM PRAVEEN KUMAR	21911A03D7 219y5a0502	CSE	V Sem	7386801705 219y5a0502@ksrmce.ac.in
11/25/2022 20:27:43			CSE	V Sem	7396891495 219y5a0503@ksrmce.ac.in
	Bathala Raja Rajeswari		CSE	III Sem	7032193194 229y5a0507@ksrmce.ac.in
11/26/2022 19:08:08		229y5a0507	CSE	III Sem	9346748191 229y5a0513@ksrmce.ac.in
11/26/2022 17:35:54		229y5a0513		III Sem	9494103948 shanmukhasai381@gmail.com
11/29/2022 14:29:29	T.shanmukha sai	229Y5A0517	CSE	III Sem	9392305045 229y5a0519@ksrmce.ac.in
11/26/2022 17:29:10	V tejaswani	229Y5A0519	CSE -		9346601098 219y1a098@ksrmce.ac.in
11/29/2022 10:55:26	M pavithkra	219y1a098	CSE	III Sem	504000 1030 Z13y 1a030@komitoc.ac.iii

Resource Person(s)

coordinator(s)

HOD/CSE

Dr. V. LOKESWARA REDDY

M.Tech., Ph.D., Professor & HOD CSE

K.S.R.M. College of Engineering (Autonomes - KADAPA - 516 005.

# SYLLABUS OF VALUE ADDED COURSE COURSE NAME: SHLL PROGRAMMING

#### **COURSE OVERVIEW:**

This certificate course explains the fundamental ideas behind Open Source operating system approach to programming. Knowledge of Linux helps to understand operating system level programming. This course involves kernel concepts, basic commands and shell scripting.

#### **COURSE OBJECTIVES:**

- 1. To teach principles of operating system including file handling utilities, security by file permissions, disk utilities, process utilities, networking commands, filter commands.
- 2. To familiarize fundamentals of the shell, shell programming, pipes, input and output redirections, expressions, control structures, functions, loops, and debugging shell scripts.

#### **COURSE OUTCOMES:**

- 1. Ability to use various Linux Commands that are used to manipulate system operations.
- 2. Ability to write shell programming using Linux commands.
- 3. Ability to write shell scripts (shell programming) using functions, control statements and loops.

#### UNIT I:

Introduction to Linux Operating System: A brief history of Linux, architecture of Linux, Applications of Linux, survey of major distributions and system access.

#### **UNIT II:**

Linux Commands: Command syntax, who, whoami

Linux Directory Commands: pwd, mkdir, rmdir, ls, cd.

Linux File and File content Commands: touch, cat, rm, cp, mv, rename, head, tail, tac, more, and less.

Linux User Commands: su, id, usradd, passwd, groupadd.

#### **UNIT III:**

Linux Filter Commands: cat, cut, grep, comm, sed, tee, tr, uniq, wc, od, sort, gzip, gunzip. Linux Utility Commands: find, locate, fate, cal, sleep, time, zcat, df, mount, exit, clear, link, unlink, alias, unalias.

Linux Network Commands: ip, ssh, mail, ping, host.

#### **UNIT IV:**

Basic shell concept, types of shells, the shell as programming language, shell scripting, vi/vm editor, setup executable permissions, example shell scripts using shell commands, shell variables, user defined shell variables, shell arithmetic, the read statement, control structures: if, nested if-else-fi, the case statement.

#### UNIT V:

Functions, loops in shell scripts: for, while, until, break, continue, passing arguments to scripts, pipes.

#### **TEXT BOOKS:**

- 1. Begining Linux Programming, 4th Edition, N. Matthew, R.Stones, Wrox, Wiley India Edition.
- 2 . Shell Scripting, S.Parker, Wiley India Pvt. Ltd.
- 3. Unix and Shell Programming, B.A.Forouzan&R.F.Gilberg, Cengage Learning
- 4. Linux System Programming, Robert Love, O'Reily, SPD.

#### **WEB REFERENCES:**

- 1. www.advancedlinuxprogramming.com
- 2. www.tldp.org
- 3. www.gnu.org
- 4. www.kernel.org
- 5. www.linuxsecurity.com
- 6. https://nptel.ac.in/courses/117/106/117106113/



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#### **SCHEDULE**

# Department of Computer Science and Engineering Value Added Course On

#### "Shell Programming" From 28/11/2022 to 04/01/2023

S.No	Date	Time	Faculty	Topic
1	28/11/2022	4 PM t0	Smt. B. Manorama Devi	Inaugration
		5PM	Smt. V. Sudha	
2	29/11/2022	4 PM t0 5PM	Smt. B. Manorama Devi	Introduction to Linux Operating
				System
3	30/11/2022	4 PM t0 5PM	Smt. V. Sudha	Basic Linux Commands
4	01/12/2022	4 PM t0 5PM	Smt. V. Sudha	Practical's
5	02/12/2022	4 PM t0 5PM	Smt. B. Manorama Devi	Linux directory commands
6	03/12/2022	4 PM t0 5PM	Smt. B. Manorama Devi	Practical's
7	05/12/2022	4 PM t0 5PM	Smt. B. Manorama Devi	Linux file commands and file
				content commands
8	06/12/2022	4 PM t0 5PM	Smt. B. Manorama Devi	Practical's
9	07/12/2022	4 PM t0 5PM	Smt. B. Manorama Devi	File Content commands
10	08/12/2022	4 PM t0 5PM	Dr. V. Lokeswara Reddy	Practical's
11	09//12/2022	4 PM t0 5PM	Dr. V. Lokeswara Reddy	Linux user commands
12	12/12/2022	4 PM t0 5PM	Smt. B. Manorama Devi	Practical's
13	13/12/2022	4 PM t0 5PM	Smt. B. Manorama Devi	Linux filter commands
14	14/12/2022	4 PM t0 5PM	Dr. V. Lokeswara Reddy	Practical's
15	15/12/2022	4 PM t0 5PM	Dr. V. Lokeswara Reddy	Linux network commands
16	16/12/2022	4 PM t0 5PM	Smt. B. Manorama Devi	Practical's
17	17/12/2022	4 PM t0 5PM	Smt. B. Manorama Devi	Introduction to shell
				programming: basic shell
				concept, types of shells,
18	19/12/2022	4 PM t0 5PM	Smt. V.Sudha	vi editor, setup execution
				permissions,
19	20/12/2022	4 PM t0 5PM	Smt. V.Sudha	Example scripts, execute script
20	21/12/2022	4 PM t0 5PM	Smt. V.Sudha	Practical's
21	22/12/2022	4 PM t0 5PM	Smt. V.Sudha	Shell variables, user defined

				variables, read statement, shell arithmetic, expressions
22	23/12/2022	4 PM t0 5PM	Smt. V.Sudha	Practical's
23	26/12/2022	4 PM t0 5PM	Smt. V.Sudha	Control structures
24	27/12/2022	4 PM t0 5PM	Smt. B. Manorama Devi	Practical's
25	28/12/2022	4 PM t0 5PM	Smt. B. Manorama Devi	Case statement
26	29/12/2022	4 PM t0 5PM	Smt. B. Manorama Devi	Practical's
27	30/12/2022	4 PM t0 5PM	Smt. B. Manorama Devi	Functions
28	31/12/2022	4 PM t0 5PM	Smt. B. Manorama Devi	Practical's
29	02/01/2023	4 PM t0 5PM	Smt. B. Manorama Devi	Loops: for, while and until, break, continue
30	03/01/2023	4 PM t0 5PM	Smt. B. Manorama Devi	Passing arguments to scripts, pipes
31	04/01/2023	4 PM t0 5PM	Smt. B. Manorama Devi Smt. V. Sudha	Exam and certificate distribution

Coordinator(s)

Dr. V. LOKESWARA REDDY
M.Tech., Ph.D.,
Professor & HOD CSE
K.S.R.M. College of Engineering (Autonomous)
KADAPA - 516 005.

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#### **Department of Computer Science & Engineering**

#### Attendance Sheet of Value Added Course on "SHELL PROGRAMMING" from 28/11/2022 to 04/01/2023

S. No	Roll Num	Name of the Student	28/11/2022	29/11/2022	30/11/2022	01/12/2022	02/12/2022	03/12/2022	05/12/2022	06/12/2022	07/12/2022	08/12/2022	09/12/2022	12//12/2022	13/12/2022	14/12/2022	15/12/2022	16/12/2022	17/12/2022	19/12/2022	20/12/2022	21/12/2022	22/12/2022	23/12/2022	26/12/2022	27/12/2022	28/12/2022	29/12/2022	30/12/2022	31/12/2022	02/01/2023	03/01/2023	04/01.2023
1	209Y1A0 <b>3</b> 58	S. Madhava	482	S.	8t.	88	So	80	S.	S.	S.	cog.	80	89	Sp	SI	38	.88.	A	Se	S.	8.	8.	80	A	Se	X	SE.	8-	3.	Sis	Se.	Sie
2	209Y1A0 504		AK.	AN	H	100	M	PX	X	Da	×	<b>PR</b>	M	A	W	H	M	M	M	A	A	44	th	A	M	A	A	ARK	Pa	44	AL	M	H
3	209Y1A0 508	A. snehalatha	8	8	Sh	st.	st	- 84	8	8	- 84	Sh	gr	-8/2	M	A	8	8	-8	8_	\$	8	Sk	8	8	8	8	8	8	8	St	Su	Sh
4	209Y1A0 510	A. Lavanya	6	A	A	f	f	A.	1	1	1	A	4	+	1	1	٨	1	+	1	1	+	f	+	1	1	A	1	+	1	1	P	f
5	209Y1A0 512	A. Ashwith	A	A	A	A	A	A	A	A	A	A	4	A	4	A	A	4	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
6	209Y1A0 518		1887	Ba	Ba	20	Bo	80	B	Ba	Ba	Ba	800	1	800	B	Ba	8	Bo	Bo	B		B		B	\$	B		T		-	B	3
7	209Y1A0 527		8.2		,	1	THE STATE OF THE S	Br	84	BN	A	B.N	Bu	84	Bul	BN	B. 1	Bir	B.A	M	BN	8.4	BN	BIN	BW	BN	BIN		B.W	BIN	BU	B.N	BIN
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41	219Y1A0 532	Reena Dantham	0	2	(B)	00	Re	Re	(R)	Pe	P	a	(R)	Po	Ru	Re	R	Po	Re	Re	Ro		Po)	R	(Po)	w	Rd	R	Po	R3 (	(Fe)	RIC	fra
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44	571	K.Madhavi Karimala	00	A)	O <sub>A</sub>	Q,	QD.	24	Q	Q0	Q,	QD.	$Q_{0}$	20.	a.	Q.	Qe,	Opp	Qu	a.	84	QA)	a.	68	201	Q	30	Dep	SA	SA	Ryd	30/	Q
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55	219Y1A0 598	M Pavithra	R	P	90	P	20	P	20	8	ep	\$	30	R	20	P	SP	*	gp	SP	SP	SP	P	雷	2	SP.	P	80	8	P	4	SPS	2
56	219Y1A0		12	B	8	B	B	B	8	8	8	B	B	B	B	B	8	<b>B</b>	8	B	8	B	B	B	B	B	B	<b>6</b> 8	8	48	8	-	90
57	5A3 219Y1A0	M Bharathi M.Lakshmi	B		A			<b>3</b>	AA)			(AR)	(AA)		MA		- A	THE	AA	Market Committee	-	M	AA	MA	M	M	MA	-PW	M	90	M	W	M
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60	219Y1A0	M.Lakshmi	B	B	R	16	B	B	B	B	B	B	B	8	B	B	B	B	R	3	B	B	B	B	B	B	B	8	\$	B	B.	B	B
61	5A7 219Y1A0	Bhavani		P	217	ND.	D	· Carrier	P	P	D	P	P	P	QU.	P	D	P	P	P	P	P	P	P	P	P	P	P	AD.	P	P	TA	P
62	5A9 219Y1A0	M.Hemalat	P H	4	4	4	H	#	4	#	44	H	H	Ħ	H	H	H	4	At	#	4	#	H	H	#	to	H	H	H	H	H	6	H
63	5B0 219Y1A0	ha M.Bindhula	B	8	18	B	B	8	B	B	fo	B	2	8	B	8	3	8	B	8	B	8	B	\$	B	B	B	B	B	8	B	B	8
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71	219Y1A0	P.Venkata Chennakesa	K	K	K	K	8	b	a	12	K	R	K	6	1	1	R	B	K	K	K	R	K	R	K	R	R	K	2	R	E	R	2
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82	219Y1A0 569	Kadiri .	de	Lex	Seys	fees	fen	fee	fey	Lee	Sea	fen	Ses	fee	Ser	See	Bee	See	Ber.	Ren	Sey	Pen	See	fey	Sep	Sen	Leer	Les	See	Len	fee.	3	ex
83	219Y1A0 5D7	Pm Praveen Kumar	Re	Ry	PL	De	#	A)	A	B	R	R	AB.	1	P	P	料	B	R	B.	P.	PI	PLA	RA	A S	Plo	Pall	P	16	N	P	PA 9	
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Coordinator(s)

Dr. V. LOKESWARA REDDY

M.Tech., Ph.D.,
Professor & HOD CSE
K.S.R.M. College of Engineering (Autonomous)
KADAPA - \$16 005,



(UGC - Autonomous)

Kadapa, Andhra Pradesh, India-516 003 Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu.



KSNR

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Shell Programming

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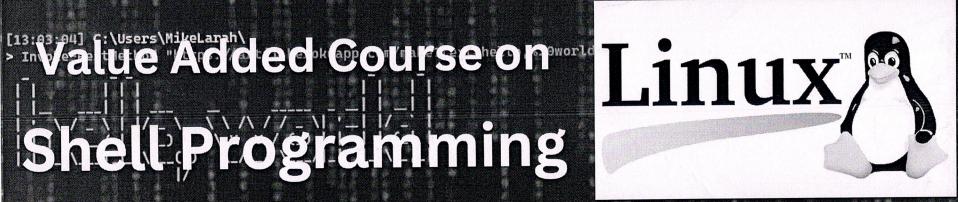
Venue: MB 209

(Machine Learning lab)

Resource persons & Coordinators:

Smt. B. Manorama Devi, Assistant Professor,

Smt. V. Sudha, Assistant Professor

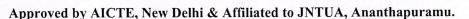


From 28/11/2022 to 04/01/2023



#### (UGC-AUTONOMOUS)

Kadapa, Andhra Pradesh, India-516 003



An ISO 14001:2004 & 9001: 2015 Certified Institution



#### Report of

Value Added Course on "Shell Programming" From 28/11/2022 to 04/01/2023

**Target Group** 

**B.Tech Students** 

**Details of Participants** 

87 Students

:

:

:

Co-coordinator(s)

Mrs. B. Manorama Devi

Resource Person(s)

Mrs. V. Sudha

**Organizing Department** 

**Computer Science and Engineering** 

Venue

MB209, Machine Learning Lab

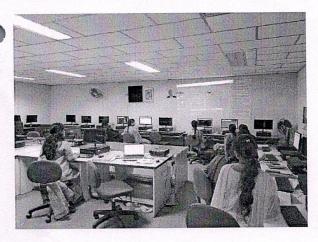
**Description:** 

The Department of Computer Science and Engineering conducted a Value Added Course on "Shell Programming" from 28th November 2022 to 01st January 2023. The course Resource Persons is Mrs. V. Sudha, Assistant Professor in Department Computer Science and Engineering, KSRMCE.

The main objective of this course is to introduce the fundamental ideas behind Open Source operating system approach to programming. Knowledge of Linux helps to understand operating system level programming. This course involves kernel concepts, basic commands and shell scripting.

#### **Photos**

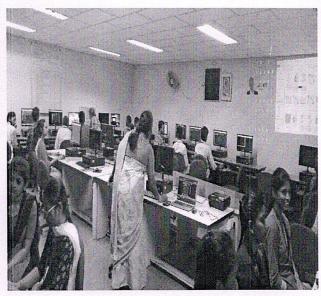
The pictures taken during the course are given below:



Resource Person Mrs. V. Sudha, Asst.Prof in CSE, giving Keynote Address



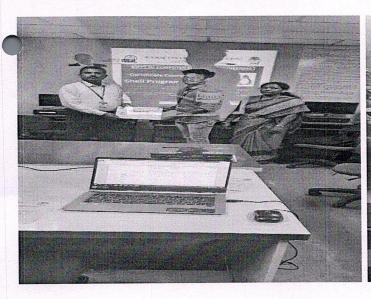
Coordinator Mrs. B. Manorama Devi, Asst.Prof in CSE, addressing the Gathering



Participants Keenly Listening the Lecture



Participants Keenly Listening the Lecture



Certificates Distribution by the HoD Dr. V. Lokeswara Reddy



Certificates Distribution by the Course Coordinator Mrs. B. Manorama Devi

Coordinator(s)

Dr. V. LOKESWARA REDDY M.Tech., Ph.D.,

Professor & HOD CSE K.S.R.M. College of Engineering (Autonomeus, KADAPA - 516 005.





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KSNR lives on...

### DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

# CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Miss.	A. Kusuma
bearing Roll Number. 2094140504	participated in a
certification course on "Shell Pro	gramming" organized by
department of Computer Science	e and Engineering from
28-11-2022 to 04-01-2023.	
	원래인의 경제원인 경험이 대통령 위한 경험이 되어 있다. 그 사이라고 있었다. 이 기계를 보지 않는 것 같습니다.

32..

Allo F:

7/ mm 2.2.V

COORDINATOR(S)

HOD

**PRINCIPAL** 





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lives on.

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

# CERTIFICATE OF PARTICIPATION

inis is to certify tha	it <del>IVIF</del> /IVIISS.	A· Sinehalatha
bearing Roll Number.	20941A0508	participated in a
certification course or	"Shell Pro	gramming" organized by
department of Comp	uter Science	e and Engineering from
28-11-2022 to 04-01-20	023.	
30.	Rept :	V. s.s. Mm/g
COORDINATOR(S)	HOD	PRINCIPAL

# Feedback form on Value Added Course "SHELL PROGRAMMING" from 28/11/2022 to 04/01/2023

* In	dicates required question
1.	Roll Number *
2.	Name of the Student: *
3.	The objectives of the Value Added Course were met (Objective) *
	Mark only one oval.  Excellent  Good Satisfactory Poor
4.	The content of the course was organized and easy to follow (Delivery) *  Mark only one oval.  Excellent  Good  Satisfactory
	Poor



COORDINATOR(S)

# K.S.R.M. COLLEGE OF ENGINEERING



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## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

# CERTIFICATE OF PARTICIPATION

This is to certify th	at <del>Mr</del> /Miss. <sub>-</sub>	B. Neelina	
bearing Roll Number	. 20941A0527	participated in	a
certification course of	n " <b>Shell Pro</b> g	gramming" organized k	Эy
department of Comp	outer Science	e and Engineering fro	m
28-11-2022 to 04-01-2	2023.		
3	aller F:	V. s.s. mml	ī
COORDINATOR(S)	HOD	PRINCIPAL	

5.	question (Interaction)	
	Mark only one oval.	
	Excellent Good Satisfactory Poor	
6.	The exercises/role play were helpful and relevant (Syllabus Coverage) *  Mark only one oval.  Excellent  Good  Satisfactory  Poor	
7.	The Value Added Course satisfy my expectation as a value added Programme (Course Satisfaction)  Mark only one oval.  Excellent  Good  Satisfactory  Poor	*
8.	Any Issues	

This content is neither created nor endorsed by Google.

Value Added Course on "SHELL PROGRAMMING" From 28/11/2022 to 04/11/2023

Feedback Responses

Timestamp	Roll Number			u The content of the course				, , ary 100000
4/1/2023 11:0	7:26 209Y1A0504	A. Kusuma	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 11:0	9:36 209y1a0510	A. Lavanya	Excellent	Excellent	Excellent	Excellent	Excellent	
4/1/2023 11:1	11:46 209y1a0358	SIDDHAMSETTY MADHA		Excellent	Excellent	Excellent	Excellent	No
4/1/2023 11:1	13:56 209y1a0504	Alle kusuma	Good	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 11:1	16:06 209y1a0508	Anchalasnehalatha	Excellent	Good	Good	Excellent	Good	No
4/1/2023 11:1	18:16 209Y1A0510	Angadi Lavanya	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 11:2	20:26 209y1A0512	Avula Ashwith	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 11:2	22:36 209y1a0518	B.Bhavana	Good	Good	Excellent	Excellent	Excellent	No
4/1/2023 11:2	24:46 209y1a0527	Bolli Neelima	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 11:2	26:56 209Y1A0530	B.Shanthi Lakshmi	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 11:2	29:06 209Y1A0537	C.Renu Sri	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 11:3	31:16 209Y1A0540	C.praveena	Good	Excellent	Good	Excellent	Good	No
4/1/2023 11:3	33:26 209Y1A0542	C.Jagadeeswar Reddy	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 11:3	35:36 209Y1A0555	G.Vamsee Krishna	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 11:3	37:46 209Y1A0557	G Madhavi	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 11:3	39:56 209y1a0558	Gochi Yoga Lakshmi	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 11:4	42:06 209y1a0568	GURRAMKONDA UMAR	l Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 11:4	44:16 209y1a0569	Deekshitha	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 11:4	46:26 209Y1A0571	J.Anusha	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 11:4	48:36 209Y1A0577	K.VARSHINI	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 11:	50:46 209Y1A0587	Kuruba Akhila	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 11:5	52:56 209Y1A0588	Kuruba Ankitha	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 11:5	55:06 209Y1A0596	M.S. V. Avinash	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 11:5	57:16 209y1a05b0	N.Niroopa	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 11:5	59:26 209y1a05e1	R.Devendra	Good	Good	Excellent	Good	Excellent	No
4/1/2023 12:0	01:36 209y1a05g3	Ravi Krishna	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 12:0	03:46 209Y1A05G4	SUNKARA MOHAMMED	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 12:0	05:56 209y1a05g6	Syed Ajas Basha	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 12:0	08:06 209y1a05H9	Verramreddy Myna	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 12:	10:16 209Y1A05I0	VELPUCHARLA VIGNES	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 12:	12:26 209y1a05i9	Yelugoti Jeshnavi	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 12:	14:36 219Y1A0501	A suneetha	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 12:	16:46 219y1a0504	A.Bindusree	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 12:	18:56 219y1a0511	B.Sai Sahaja	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 12:	21:06 219Y1A0514	Bonala Venkateswarlu	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 12:	23:16 219Y1A0516	B. Sree Harshitha	Excellent	Excellent	Excellent	Excellent	Excellent	No
	25:26 219y1a0517	Byreddy Gowthami	Excellent	Excellent	Excellent	Excellent	Excellent	No
	27:36 219y1a0519	C. Padmaja	Excellent	Excellent	Excellent	Excellent	Excellent	No
	29:46 219y1a0520	C. Sathya Chakradhar	Excellent	Excellent	Excellent	Excellent	Excellent	No
	31:56 219y1a0523	C.Devendra Prasad	Excellent	Excellent	Excellent	Excellent	Excellent	No
	34:06 219y1a0532	Reena Dantham	Excellent	Excellent	Excellent	Excellent	Excellent	No
	36:16 219y1a0541	DUDEKULA KANDUKUR	Excellent	Excellent	Excellent	Excellent	Excellent	No
	38:26 219Y1A0571	K.Madhavi	Excellent	Excellent	Excellent	Excellent	Excellent	No
	40:36 219Y1A0576	KARIMALA REVANTH A	Excellent	Excellent	Excellent	Excellent	Excellent	No
	42:46 219y1a0577	K.Hari krishna	Excellent	Excellent	Excellent	Excellent	Excellent	No
	44:56 219y1a0578	K.Uma Maheshwari	Excellent	Excellent	Excellent	Excellent	Excellent	No

nestamp	Roll Number	Name of the Student:	The objectives of the	Valu The content of the course				
4/1/2023 12:4	17:06 219Y1A0581	K.Kusuma	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 12:4	19:16 219y1a0583	K.KARTHIKEYAN	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 12:5	51:26 219y1a0583	K.KARTHIKEYAN	Good	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 12:5	53:36 219y1a0591	K.shaheen	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 12:5	55:46 219y1a0591	K.shaheen	Excellent	Excellent	Excellent	Excellent	Good	No
4/1/2023 12:5	57:56 219Y1A0592	K.Siva nandini	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 13:0	00:06 219Y1A0595	M.Anusha	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 13:0	02:16 219Y1A0596	M. Aparna	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 13:0	04:26 219y1a0598	M pavithra	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 13:0	06:36 219y1a05a3	M Bharathi	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 13:0	08:46 219Y1A05A4	M.lakshmi devi	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 13:	10:56 219Y1A05A5	M.Sree Prasanna Durga	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 13:	13:06 219y1a05a6	Manchuri vindhya	Excellent	Excellent	Excellent	Excellent	Excellent	No
	15:16 219y1a05a7	M.lakshmi bhavani	Excellent	Excellent	Excellent	Excellent	Excellent	No
	17:26 219y1a05a9	M.vinila	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 13:	19:36 219y1a05b0	M.Hemalatha	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 13:2	21:46 219y1a05b2	M.Bindhulatha	Excellent	Excellent	Excellent	Excellent	Excellent	No
	23:56 219y1a05c1	N.venkata venu	Excellent	Excellent	Excellent	Excellent	Excellent	No
	26:06 219y1a05c1	N.venkata venu	Excellent	Excellent	Excellent	Excellent	Excellent	No
	28:16 219y1a05c2	N esther rani	Excellent	Excellent	Excellent	Excellent	Excellent	No
4/1/2023 13:3	30:26 219y1a05c4	N.Reddamma	Excellent	Excellent	Excellent	Excellent	Excellent	No
	32:36 219y1a05c6	PR Suprasanna	Excellent	Excellent	Excellent	Excellent	Excellent	No
	34:46 219y1a05c7	P. Rasool bee	Excellent	Excellent	Good	Excellent	Excellent	No
	36:56 219y1a05c8	Palagiri babjan	Excellent	Excellent	Excellent	Excellent	Excellent	No
	39:06 219y1a05c8	Palagiri babjan	Excellent	Excellent	Excellent	Excellent	Excellent	No
	41:16 219y1a05d0	Paradesi Harshitha	Excellent	Excellent	Excellent	Excellent	Good	No
	43:26 219y1a05d0	Paradesi Harshitha	Excellent	Excellent	Excellent	Excellent	Excellent	No
	45:36 219y1a05d1	P. Somalatha	Excellent	Excellent	Excellent	Excellent	Excellent	No
	47:46 219y1a05d6	P.Sainiveditha	Excellent	Excellent	Excellent	Excellent	Excellent	No
	49:56 219y1a05e5	R.chandini	Good	Excellent	Excellent	Excellent	Excellent	No
	52:06 219Y1A05E8	S.Sreevatsava Reddy	Excellent	Excellent	Excellent	Excellent	Excellent	No
	54:16 219y1a05f3	Shaik khadar basha	Excellent	Excellent	Excellent	Excellent	Excellent	No
	56:26 219y1a05g5	S.Abhinay Kumar Reddy	Excellent	Excellent	Excellent	Excellent	Excellent	No
	58:36 219y1a05i1	V.Alekya	Excellent	Excellent	Excellent	Excellent	Excellent	No
	00:46 219y1a05j5	Y.saisandeepreddy	Excellent	Excellent	Excellent	Excellent	Excellent	No
	02:56 219Y1AO569	Kadiri sreeja	Excellent	Excellent	Excellent	Excellent	Excellent	No
	05:06 219Y1AO5D7	PM PRAVEEN KUMAR	Excellent	Excellent	Excellent	Excellent	Excellent	No
	07:16 219y5a0502	Banda Thirumalesh	Excellent	Excellent	Excellent	Excellent	Excellent	No
	09:26 219Y5A0503	Bathala Raja Rajeswari	Excellent	Excellent	Excellent	Excellent	Excellent	No
	11:36 229y5a0507	Guna sekhar	Excellent	Excellent	Excellent	Excellent	Excellent	No
	13:46 229y5a0507	Polisetty kalyani	Excellent	Excellent	Good	Excellent	Good	No
	15:56 229Y5A0517	T.shanmukha sai	Excellent	Excellent	Excellent	Excellent	Excellent	No
	18:06 229Y5A0519	V tejaswani	Excellent	Excellent	Excellent	Excellent	Excellent	No

Resource Porson(s)

Coondinaton(s)

Dr. V. LONESWARA REDDY

J-10P/CS&I.Tech., Ph.D.,

Professor & HOD CSE

K.S.R.M. College of Engineering (Autonomous)

KADAPA - 516 005.

# K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING VALUE ADDED / CERTIFICATE COURSE ON SHELL PROGRAMMING FROM 28/11/2022 TO 04/01/2023 AWARD LIST

S.No	Roll Number	Name of the Student	Marks Obtained
1	209Y1A0558	S. Madhava	15
2	209Y1A0504	A. Kusuma	16
3	209Y1A0508	A. snehalatha	15
4	209Y1A0510	A. Lavanya	17
5	209Y1A0512	A. Ashwith	16
6	209Y1A0518	B. Bhavana	18
7	209Y1A0527	B. Neelima	19
8	209Y1A0530	B.Shanthi Lakshmi	20
9	209Y1A0537	C.Renu Sri	19
10	209Y1A0540	C.Praveena	19
11	209Y1A0542	C.Jagadeeswar Reddy	18
12	209Y1A0555	G.Vamsee Krishna	17
13	209Y1A0557	G Madhavi	18
14	209Y1A0558	G. Yoga Lakshmi	16
15	209Y1A0568	G. Umarfarook	18
16	209Y1A0569	G. Deekshitha	19
17	209Y1A0571	J.Anusha	15
18	209Y1A0577	K.Varshini	17
19	209Y1A0587	K. Akhila	16
20	209Y1A0588	K. Ankitha	17
21	209Y1A0596	M.S. V. Avinash	18
22	209Y1A05B0	N. Niroopa	19
23	209Y1A05E1	R. Devendra	18
24	209Y1A05G3	Ravi Krishna	17
25	209Y1A05G4	Sunkara Mohammed Hussain	16
26	209Y1A05G6	Syed Ajas Basha	18
27	209Y1A05H9	Verramreddy Myna	19
28	209Y1A05I0	V. Vignesh Kumar Reddy	17
29	209Y1A05I9	Yelugoti Jeshnavi	18
30	219Y5A0502	Banda Thirumalesh	17
31	219Y5A0503	Bathala Raja Rajeswari	16
32	219Y1A0501	A Suneetha	19
33	219Y1A0504	A.Bindusree	15
34	219Y1A0511	B.Sai Sahaja	17
35	219Y1A0514	Bonala Venkateswarlu	19
36	219Y1A0516	B. Sree Harshitha	18
37	219Y1A0517	Byreddy Gowthami	17
38	219Y1A0519	C. Padmaja	19
39	219Y1A0520	C. Sathya Chakradhar	18
40	219Y1A0523	C.Devendra Prasad	19
41	219Y1A0532	Reena Dantham	17
42	219Y1A0541	D. Kandukuri Sai Balaji	18
43	219Y1A0571	K.Madhavi	19

44	219Y1A0576	Karimala Revanth Achari	18
45	219Y1A0577	K.Hari Krishna	17
46	219Y1A0578	K.Uma Maheshwari	16
47	219Y1A0581	K.Kusuma	19
48	219Y1A0583	K.Karthikeyan	18
49	219Y1A0583	K.Karthikeyan	17
50	219Y1A0591	K.Shaheen	19
51	219Y1A0591	K.Shaheen	18
52	219Y1A0591	K.Siva Nandini	19
53	219Y1A0595	M.Anusha	17
54	219Y1A0596	M. Aparna	16
55	219Y1A0598	M Pavithra	18
56	219Y1A05A3	M Bharathi	17
57	219Y1A05A4	M.Lakshmi Devi	19
58	219Y1A05A4	M.Sree Prasanna Durga	16
59	219Y1A05A6		18
60		Manchuri Vindhya	17
	219Y1A05A7	M.Lakshmi Bhavani	19
61	219Y1A05A9	M.Vinila	18
62	219Y1A05B0	M.Hemalatha	16
63	219Y1A05B2	M.Bindhulatha	
64	219Y1A05C1	N.Venkata Venu	19
65	219Y1A05C1	N.Venkata Venu	17
66	219Y1A05C2	N Esther Rani	15
67	219Y1A05C4	N.Reddamma	18
68	219Y1A05C6	Pr Suprasanna	19
69	219Y1A05C7	P. Rasool Bee	20
70	219Y1A05C8	Palagiri Babjan	19
71	219Y1A05C8	Palagiri Babjan	19
72	219Y1A05D0	Paradesi Harshitha	20
73	219Y1A05D0	Paradesi Harshitha	17
74	219Y1A05D1	P. Somalatha	16
75	219Y1A05D6	P.Sainiveditha	19
76	219Y1A05E5	R.Chandini	15
. 77	219Y1A05E8	S.Sreevatsava Reddy	17
78	219Y1A05F3	Shaik Khadar Basha	18
79	219Y1A05G5	S.Abhinay Kumar Reddy	17
80	219Y1A05I1	V.Alekya	18
81	219Y1A05J5	Y.Saisandeepreddy	16
82	219Y1A0569	Kadiri Sreeja	15
83	219Y1A05D7	Pm Praveen Kumar	17
84	229Y5A0507	Guna Sekhar	
85	229Y5A0513	Polisetty Kalyani	17
86	229Y5A0517	T.Shanmukha Sai	18
87	229Y5A0519	V Tejaswani	16

Dr. V. LOKESWARA REDDY

M.Tech., Ph.D.,
Professor & HOD CSE
K.S.R.M. College of Engineering (Autonomous)
KADAPA - 516 005.

#### K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING VALUE ADDED /CERTIFICATE COURSE ON

#### SHELL PROGRAMMING FROM 28/11/2022 TO 04/01/2022

ASSESSMENT TEST
Name of the Student:

R	oll Number: _		Name	of the Student:		
	Time: 20 Min		(Obje	ctive Questions)	Ma	ax.Marks:20
No	ote: Answer the	e following Qu	estions and eac	ch question carries one mark.		
1.	Which of the programming		be used to ope	n a file for reading and makir	ng chang	es in shell
	a) r+		c) r	d) w		
2.	In Linux, wh	ich option of ri	m command is	used to remove a directory w	ith all its	subdirectories
	a) -b	b) -o	c) –p	d) -r		
3.	Which of the a) Root	following dire	ectory contains c) etc	device files? d) dev	[	]
4.	In Linux, how a) useradd	w can you add b) adduser	a new user to y c) linuxconf	your system? d)All of the above	[	]
5.	<u>a</u> ) is a sy	mbol used to r b) e	represent specia c) s	al files in Linux OS. d) c	[	]
6.	Which of the a) Ls		UNIX/LINUX c) pwd d) rr	remove files or directories?	[	]
7.	a) /	ches the strings b) @	s in file opened c) #	in vi editor? d) \$	[	]
8.	Which of the a)!	e following 'wi	ildcard' charac c)?	ter matches exactly one chara d) *	cter?[	]
9.	<ul><li>a) Inserts te</li><li>b) Inserts te</li><li>c) Inserts te</li></ul>	ext to the left of ext at the begin ext to the right	f the cursor uning of the cur of the cursor	nsert mode it will	[	]
1	0. How do you  a) cat filend b) cat filend c) cat filend	e content of the print the lines ame head tail - ame head tail - ame  tail +5 he ame  tail -5 hea	between 5 and 6 5 ad	1 10, both inclusive?	[	]

11. What is the or X=3; y=3; z= If [ (%x -eq 3 then	[	]						
echo S else	Sx							
echo S	Sy							
a) 1	b) 3	c) 5	d) error					
12. What is the o  [ -n \$HOME echo \$?  [ -z \$HOME echo \$?		owing progran	n?	E	]			
	b) 1 0	c) 0 0	d) 1 1					
13. In Linux, whi	ch of the follow b) fcsk c) daes	wing command mon d) mkfs	l is used to create the filesy	rstem? [	]			
<ul><li>a) standard</li><li>b) standard</li><li>b) both inpu</li></ul>	14. The cp command uses  a) standard output file b) standard input file b) both input and output file d) neither standard input nor standard output file							
15. Which of t a) linux	he following b) install	tool is used to kickstart	to automate Ret Hat Lir d)setup	nux install	lation? [			
16. Which of t file system a) Config	ıs?	tool is used t	to boot the Linux.Kerne c) SysLinux d)	el from a I [ Linux.sys	]			
words, and	characters co	command is ontained in a c)countw		number of	lines,			
18. Identify the a) IBM-Con	e hardware st npatible		h is not supported by Rec) SPARC d) Macini		]			
19. Among the character?	following co	mmands whi	ch is used vi editors to	delete a s	ingle			
a) a	b) x	c) y	d) z	L	]			
20. Choose the	TCP/IP proto	ocol which is	used for remote termin	nal connec	etion			
service?			d) TELNET		]			

#### K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING VALUE ADDED /CERTIFICATE COURSE ON SHELL PROGRAMMING FROM 28/11/2022 TO 04/01/2022

#### ASSESSMENT TEST

Roll Number: _	219Y1A0571	Name of	the Student: 14. Mad	havi	
Time: 20 Min			ve Questions)	Max	x.Marks:20
Note: Answer the	following Quest	ions and each	question carries one mark.		
programming	?		a file for reading and making		s in shell
a) r+	b) w+	c) r	d) w		
2. In Linux, whi	ch option of rm c	command is us	ed to remove a directory with	all its s	subdirectories?
a) -b	b) -o	c) –p	d) -r	' /	
3. Which of the a) Root	following directors b) bin		evice files? d) dev	[ 4	]/
4. In Linux, how a) useradd		에 보고 있다. 남자들은 사람들은 사람들은 이번 살아보고 있다면 다른데 없었다.	or system? d)All of the above	[ d	] /
5. $\frac{1}{a}$ is a syn	mbol used to repr b) e	resent special f	files in Linux OS. d) c	l 9	] /
6. Which of the a) Ls	following in UN b) cd		move files or directories?	[ 9	]/
7. ${a)}$ search	hes the strings in b) @	file opened in c) #	vi editor? d) \$	[ a	1/
8. Which of the a)!	following 'wildo		matches exactly one characted d) *	er?[ c	1/
<ul><li>a) Inserts tex</li><li>b) Inserts tex</li><li>c) Inserts tex</li></ul>	xt to the left of th xt at the beginnin xt to the right of t	ne cursor ng of the curson the cursor	rt mode it will	[9	]/
a) cat filenate b) cat filenate c) cat filenate	content of the fil print the lines bet me head tail -6 me head tail -5 me  tail +5 head me  tail -5 head -	tween 5 and 10	0, both inclusive?	[ a	1 X

1.	1. What is the or $X=3$ ; $y=3$ ; $z=$		lowing program	1?	
	If [ (%x -eq 3 then echo \$		-o \$z -eq 10)		
	else echo \$				
	a) 1	b) 3	c) 5	d) error	
12	2. What is the or [-n \$HOME] echo \$? [-z \$HOME] echo \$? a) 0 1			n? d) 1 1	[ a ]
13	3. In Linux, whi a) fchk	ch of the follo b) fcsk c) dae		is used to create the fil	lesystem? [ d ]
14		output file input file it and output	file nor standard	output file	[9]
1		he following b) install		to automate Ret Hat d)setup	Linux installation? [ C
1	6. Which of t file system a) Config	ıs?		co boot the Linux.Ke	[ 9 ]
1			command is ontained in a c)countw	used to count the tot file? d) none	tal number of lines.
1	8, Identify th a) IBM-Con			h is not supported by c) SPARC d) Ma	
1	9. Among the character? a) a		ommands whi	ch is used vi editors d) z	to delete a single
2	service?			s used for remote ter	rminal connection
	a) FTP	b)UDP	c)RARP	d) TELNET	

15/2030

# K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING VALUE ADDED /CERTIFICATE COURSE ON SHELL PROGRAMMING FROM 28/11/2022 TO 04/01/2022

ASSESSMENT TEST

Roll Number: 20941A055 Name of the Student: 5. Madhava						hava
		Time: 20 Min			ective Questions)	Max.Marks:20
Note: Answer the following Questions and each question carries one mark.						
	1. Which of the following can be programming?					changes in shell
		a) r+	b) w+	c) r	d) w	,
	2.	In Linux, whi	ch option of rn	n command is	s used to remove a directory wit	h all its subdirectories?
		a) -b	b) –o	c) –p	d) -r	
	3.	Which of the a) Root	following direction b) bin			[0]
	4.		v can you add a b) adduser		your system? f d)All of the above	[ c ] X
	5.	a) d is a syn	mbol used to re b) e	epresent speci c) s	al files in Linux OS. d) c	[D] -
	6.	Which of the a) Ls	following in U b) cd		I remove files or directories?	[D] —
	7.	a) /	hes the strings b) @	in file opened c) #	d in vi editor? d) \$	[ A ]
	8.	Which of the a)!	following 'wil		eter matches exactly one characted d) *	ter?[ C ] /
	9.	<ul><li>a) Inserts ter</li><li>b) Inserts ter</li><li>c) Inserts ter</li></ul>	xt to the left of xt at the beginr xt to the right o	the cursor ning of the cursor	nsert mode it will	[D] ~
	10	<ul><li>How do you</li><li>a) cat filena</li><li>b) cat filena</li><li>c) cat filena</li></ul>	content of the print the lines me head tail -5 me head tail +5 heame tail -5 heame tail -5 heame tail -5 heame	between 5 and	d 10, both inclusive?	[B]X

11. What is the o $X=3$ ; $y=3$ ; $z=3$	- 15 : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1] : [1]	lowing program	n?	[8]		
경기 등 경기 다른 아이들이 되었다.	3) -a (\$y -eq 5	5 -o \$z -eq 10)				
echo	\$x					
else	4 3		RESTRICES			
echo		_				
a) 1	b) 3	c) 5	d) error			
12. What is the company of the compa	]			[8]*		
a) 0 1	b) 1 0	c) 0 0	d) l l			
13. In Linux, wh a) fchk	b) fcsk c) dae		d is used to create the filesyste	em?[C] X		
d) neither s	output file input file ut and output standard input	t nor standard	e i kontrolerak Berais B <del>a</del> tharas	[D]-		
15. Which of a) linux	the following b) install	tool is used c) kickstart	to automate Ret Hat Linux d)setup	x installation? [		
file system	ms?		to boot the Linux.Kernel : c) SysLinux d) Li	[0]		
			used to count the total nu a file? d) none			
18. Identify that a) IBM-Co			h is not supported by Red c) SPARC d) Macintos			
19. Among the character?						
a) a	b) x	c) y	d) z			
20. Choose th service?	20. Choose the TCP/IP protocol which is used for remote terminal connection service?					
a) FTP	b)UDP	c)RARP	d) TELNET	· P ·		

# K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEEDING VALUE ADDED /CEPTIEIO

SHELL PROGRAMMING FROM 28/11/2022 TO 04/01/2022 ASSESSMENT TEST

Roll Number: 2094, A0558 Name of the Student: G. Yoga Lakshmi						
	Γime: 20 Min			ctive Questions)		Max.Marks:20
No	Note: Answer the following Questions and each question carries one mark.					
1.	Which of the programming		pe used to ope	n a file for reading and		changes in shell
	a) r+	b) w+	c) r	d) w		, , ,
2.	In Linux, whi	ich option of rm	n command is	used to remove a direc		
	a) -b	b) –o	c) -p	d) -r	[ d	
3.	Which of the a) Root	following direction b) bin	ctory contains c) etc	device files? d) dev		[ 6 ]
4.		w can you add a b) adduser		our system? d)All of the above		[c] X
5.	a) d is a sy	mbol used to re b) e	epresent specia c) s	l files in Linux OS. d) c		[ 9 ]
6.	Which of the a) Ls	following in U b) cd	JNIX/LINUX c) pwd d) rn	remove files or directon	ories?	[9]
7.	$\frac{1}{a}$ search	ches the strings b) @	in file opened c) #	in vi editor? d) \$		[8] >
8.	Which of the a)!	e following 'wil b) &		er matches exactly one d) *	e characte	er?[ c ] /
9.	<ul><li>a) Inserts te</li><li>b) Inserts te</li><li>c) Inserts te</li></ul>	ext to the left of ext at the beginn ext to the right of	the cursor ning of the cursor of the cursor	sert mode it will		[ ] ]
10	d) From the delta	content of the	file between 5 and d	10, both inclusive?		[9] >

11. What is the o		llowing progra	m?	[8]/		
X=3; y=3; z= If [ (%x -eq 3	-10, 3) -a (\$y -eq 5	5 -o \$z -eq 10	)]			
then						
echo s	\$x					
echo s	\$y		ACGONTARPA			
a) 1	b) 3	c) 5	d) error			
12. What is the o  [-n \$HOME echo \$?  [-z \$HOME echo \$?	]			[ 9 ]		
a) 0 1	b) 1 0	c) 0 0	d) 1 1			
13. In Linux, who	ich of the follo b) fcsk c) dae	owing commar emon d) mkfs	nd is used to create the fil	lesystem?[d]		
	output file		d output file	[d]/		
15. Which of tall a) linux	the following b) install	tool is used c) kickstar	to automate Ret Hat t d)setup	Linux installation? [ 🥏		
file systen	ns?		to boot the Linux.Ke	[4]/		
17. Which of to words, and a) wc	the following d characters of b)wcount	command is contained in c)countw		al number of lines,		
18. Identify th a) IBM-Co			ch is not supported by			
19. Among the character? a) a	e following c b) x		nich is used vi editors	to delete a single		
20. Choose the TCP/IP protocol which is used for remote terminal connection service?						
a) FTP	b)UDP	c)RARP	d) TELNET	[d]/		

15/20

# K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING VALUE ADDED /CERTIFICATE COURSE ON

SHELL PROGRAMMING FROM 28/11/2022 TO 04/01/2022

ASSESSMENT TEST							
Roll Number: 21471A05		21941A0569	Name o	of the Student:	N. F.s	ther	Rani
Time: 20 Min		(Objec	ctive Questions)		Max	.Marks:20	
No	ote: Answer the	following Questio	ns and eac	h question carries on	e mark.		
1.	programming	?		n a file for reading an	d making	changes	in shell
	a) r+	b) w+ c)	r	d) w			
2.	In Linux, whi	ch option of rm co	mmand is	used to remove a dire	ectory with	all its s	ubdirectories?
	a) -b	b) -o c)	-p	d) -r	LA		*
3.	Which of the	following directory b) bin c)	y contains	device files?		[ 0	]
4.	In Linux, how a) useradd	v can you add a nev b) adduser c)	w user to y linuxconf	our system? d)All of the above		[ D	]
5.	$\frac{1}{a}$ is a syn	mbol used to repres b) e c)	sent specia s	l files in Linux OS. d) c		(D)	] /
6.		following in UNIX		remove files or direc	tories?	[ C	1 7
7.	a) / searc	hes the strings in fi	ile opened #	in vi editor? d) \$		A ]	] /
8.	Which of the a) !	following 'wildcar b) & c)		er matches exactly or d) *	ne charact	er?[ C	] /
<ul> <li>9. In vi editor if keystroke 'I' is pressed in insert mode it will</li> <li>a) Inserts text to the left of the cursor</li> <li>b) Inserts text at the beginning of the cursor</li> <li>c) Inserts text to the right of the cursor</li> <li>d) From the content of the file</li> </ul>							
19	<ul><li>0. How do you</li><li>a) cat filena</li><li>b) cat filena</li><li>c) cat filena</li></ul>			10, both inclusive?		[3	1 7

11. What is the o X=3; y=3; z= If [ (%x -eq 3 then echo 5	=10; 3) -a (\$y -eq	llowing progra 5 -o \$z -eq 10		[ <b>A</b>	1 🗴
else echo s	M		67 SQUILLE 13		
a) 1		c) 5	d) error		
12. What is the o  [ -n \$HOME echo \$? [ -z \$HOME echo \$? a) 0 1	]	llowing progra		[ A	
11,					
13. In Linux, whi	ich of the follo b) fcsk c) da	owing comman emon d) mkfs	d is used to create th	ne filesystem? [ D	1,
TO BEST OF THE STATE OF THE ST	output file input file it and output	file t nor standare	d output file	[0	
15. Which of t a) linux	he following b) install	g tool is used c) kickstart	to automate Ret l	Hat Linux install	ation? [ 5
16. Which of t file system a) Config	ns?		to boot the Linux	[ [	]
17. Which of t words, and a) wc	he following l characters b)wcount	command is contained in c)countw		e total number of [ A	
18. Identify th a) IBM-Con	e hardware s mpatible	tructure which	ch is not supporte c) SPARC d)	d by RedHat? [ Macintosh	D]_
19. Among the character?	following c	ommands wh	ich is used vi edi	tors to delete a s	
a) a	b) x	c) y	d) z		
20. Choose the service?	e TCP/IP pro	tocol which i	s used for remote	terminal connec	
a) FTP	b)UDP	c)RARP	d) TELNET	L	1

# K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING VALUE ADDED /CERTIFICATE COURSE ON

# SHELL PROGRAMMING FROM 28/11/2022 TO 04/01/2022,

Roll Number: 219140532 Name of the Student: D. REENA						
		<u>Γime: 20 Min</u>	e following Oue	(Objec	tive Questions)  n question carries one man	Max.Marks:20
		Which of the	following can b	e used to open	a file for reading and ma	
	2.		ich option of rm			with all its subdirectories?
	3.		e following direct b) bin			[9]
	4.	In Linux, hora) useradd	w can you add a b) adduser	new user to yo	our system? d)All of the above	[ 6 ]
	5.	$\frac{1}{a}$ is a sy	mbol used to re b) e	present special c) s	files in Linux OS. d) c	[9] X
	6.		e following in U b) cd		remove files or directories	8? [ 4 ] /
	7.	a) / searce	ches the strings b) @	in file opened : c) #	in vi editor? d) \$	[ a ] /
	8.	Which of the a)!	e following 'wil b) &	dcard' characte c)?	er matches exactly one character d) *	aracter?[ C ]
	9.	<ul><li>a) Inserts to</li><li>b) Inserts to</li><li>c) Inserts to</li></ul>	ext to the left of ext at the beginn ext to the right o	the cursor ling of the curs of the cursor	sert mode it will or	[ C ] X
	10	<ul><li>how do you</li><li>a) cat filen</li><li>b) cat filen</li><li>c) cat filen</li></ul>	e content of the print the lines be ame head tail -6 ame head tail +5 head ame tail +5 head ame tail -5 head	between 5 and	10, both inclusive?	[a]

	What is the output of the following program? $X=3; y=3; z=10;$				
	3) -a (\$y -eq	5 -o \$z -eq 1	0) ]		
else echo	9		71Ac532	P ( Q	
a) 1	b) 3	c) 5	d) error		
12. What is the of a short state of a sh	]			[ a ]	
V q	nich of the follo		nd is used to create	the filesystem? [d]	
	output file input file ut and output		rd output file	[ 6 ]	
15. Which of a) linux	the following b) install	g tool is used c) kickstar	d to automate Ret rt d)setup	Hat Linux installation? [ C	
file syster	ms?			(x.Kernel from a DOS [ d ] d) Linux.sys	
	the following d characters b)wcount		a file?	ne total number of lines,	
18. Identify th a) IBM-Co	ne hardware s ompatible	structure wh b) Alpha	ich is not support c) SPARC d	ed by RedHat? [ d ]	
19. Among the character?		ommands w	hich is used vi ed	itors to delete a single	
20. Choose the service?  a) FTP	e TCP/IP pro	tocol which	is used for remoted) TELNET	e terminal connection	
AND MOTOR HEAVEN IN AND STREET STREET, BY					

# Applications of Linux

AS the Linux is the OS, it provides lot of applications. Some of them given below:

Star Office is Text and word application instead of WordPad and notepad.

There is a wide verity of Programming and ing languages and tools available for Linux.

X-windows is a highly flexible and configurable GUI environment that run on Linux as well as almost UNIX System.

# Survey of Major Distributions

- The major distributions of Linux include:
- Caldera
- Debian
- Mandrake
- Red Hat
- Slackware
- SuSE
- Turbolinux

Logging in and Using Linux System

Because the system can be used by many users some has to be given charge of administration of the system called 'system administrator' who will grant you the authority to use the system

Password:\*\*\*\*\*

This will start up a desktop. The default desktop in RedHat Linux 9 is

If you want to turn off your computer, you must first shut down Linux. You can shul down your system in three ways:

1)By using halt command.

2)By using shuldown command.

Logout menu

M

# **Linux Directory Commands**

# 1. pwd Command

The pwd command is used to display the location of the current working directory.

Syntax:

1.pwd

Output:

nanor@LAPTOP-2S2C2733:~\$ pwd /home/manor

# Application of Linux

It supports Netscape as well as Mosaic It provides wide and full range of software needed to create internet server. It also provide the complete network support to connect the internet.

Today Oracle, Sybase and Informix all offer relational data base provides for Linux.

Linux can be made to run DOS software with high degree of stability and compatibility.

· Android · Manjaro Linux • MX Linux · Arch Linux • Centos · Puppy Linux • Debian Slackware • Solus · Elementary OS • Fedora · Ubuntu and all its versions (Gnome, Kubuntu Ubuntu mate Xubuntu and . Gentoo Linux Lubuntu-just to name a few) Kall Linux · Zorin OS

#halt This command will log you out and shut down ·\$ halt

# shutdown

· Linux Mint

shuldown 16:00 shuldown -r now shuldown -h now shut down at 16:00 shuldown immediately and reboot shutdown immediately and halt

Linux also allow alt+ctrl+del

#### 2. mkdir Command

The mkdir command is used to create a new directory under any directory.

#### Syntax:

mkdir <directory name>

# Output:

manor@LAPTOP-2S2C2733:~\$ mkdir ksrmcse mkdir: cannot create directory 'ksrmcse': File exists manor@LAPTOP-2S2C2733:~\$ mkdir cse manor@LAPTOP-2S2C2733:~\$

# Acquiring and us Linux

There are quite a few ways to obtain a Linux distribution. One way is to go to the distributor's website and download the linux distribution of our choice.

For example, If you want to download

a. Mandrake, the go to http://www.mandriva.com/.

b. SUSE Linux Enterprise Server 9,

go to http://www.novell.com/linux/download\_linux.html.



https://en.wikipedia.org/wiki/List\_of\_Linux\_distributions

#### What is command in Linux?

The Linux command is a utility of the Linux operating system. All basic and advanced tasks can be done by executing commands. The commands are executed on the Linux terminal. The terminal is a command-line interface to interact with the system, which is similar to the command prompt in the Windows OS. Commands in Linux are casesensitive.

#### 3. rmdir Command

The rmdir command is used to delete a directory.

Syntax:

rmdir <directory name>

manor@LAPTOP-252C2733:~\$ rmdir cse manor@LAPTOP-2S2C2733:~\$ cd cse -bash: cd: cse: No such file or directory anon@LAPTOP-252C2733:~\$

#### the Linux distribution we need from the distributor's website or from sites like cheapISO.com

2. Other way is to obtain pre-burned copies of

Acquiring and using Linux

- The price is of such distributions starts from less than Rs. 100/-

- Some new computers have Linux as preinstalled

# **System Access**

>Logging In and using the Linux system

>Linux Commands

>Logging In and using Remote Linux system

#### Basic Commands

How to run commands

- . Finder => Application => Utilitaires => Terminal
- · When you log on Unix machine, you will see,

#### [someone]\$

· One command consists of three parts, i.e. command name, options, arguments.

#### Example)

[someone~]\$ command-name optionA optionB argument1 argument2

#### 4. Is Command

The Is command is used to display a list of content of a directory.

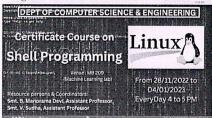
Syntax:

Output:

hello ksrmcse new test



K.S.R.M. COLLEGE OF ENGINEERING



# A Brief History of Linux

#### 1992, March

- In March 1992 Version 1.0 of Kernel came into market ,the first official release of Linux.
- At this point Linux RAM most of the common Unix tool from compiler to networking software to "X-Windows".



# A Brief History of Linux

#### 1993:

- . Version 1.0 of Slackware released by Patrick Volkerding. It is based on the SLS distribution.
- · Ian Murdock creates the Debian distribution.

#### 1994

- · Linux kernel version 1.0 released.
- First issue of Linux Journal published
- · Linux distributor Caldera founded b Ray Noorda of Novell & Ransom Lov
- Marc Ewing releases the first version of Red Hat Linux.

# A Brief History of Linux

#### 1997:

- The Linux trademark dispute between William Della Croce and Linus Torvalds is settled, with
- re-assigning the trademark to Torvalds.
- Miguel de Icaza starts the GNOME project.

#### 1998:

Version 1.0 of the K Desktop Environment (KDE) released

#### SHELL PROGRAMMING

K.S.R.M. College of Engineering

#### A Brief History of Linux

#### 1991 September

Version 0 01 of Torvald's project is made available via ftp.funet.fi. Ari Lemmke, the systems administrator gives the directory the name Linux.

Linus had originally intended to call the ne kernel "Freax"

According to Wikipedia, the name Linux was actually invented by Ari Lemmke who maintained the ftp.funet.fi FTP server from which the kernel was originally distributed



# A Brief History of Linux

#### 1995:

- Bob Young partners with Marc Ewing and forms Red Hat Software.
- Apache web server project started as a series of patches to the NCS HTTPd server (A Patchy server).



#### 1996:

Linux kernel version 2.0 released.

# A Brief History of Linux

#### 1999:

- · Linux kernel version 2.2 released.
- GNOME 1.0 desktop released.

Microsoft CEO Steve Ballmer calls Linux "a cancer that attaches itself in an intellectual property sense to everything it touches." in an interview with the Chicago Sun-Times.

# Importance of Linux Programming

 Linux provides many advantages over other operating systems: Open-source software available for everyone to contribute, modify, and enhance the source code. It is also available for users to download and use for free. Linux is less vulnerable and more secure than Windows operating systems.

#### A Brief History of Linux

#### October 1991

Richard Stallman expresses interest in having the Free Software Foundation distribute a GNU system with the Linux kernel.

#### December 1991

Robert Blum posts the first Linux FAQ



#### January 1992

Minix creator Andrew Tannenbaum claims "Linux is obsolete" in a posting to comp.os.minix and starts a public discussion on the merits of Linux in which Linus Torvalds participates.

# A Brief History of Linux

 Linus Torvalds suggests that a "slightly overweight penguin" would be the best mascot for Linux. He recommends Larry Ewing's "Tux" penguin images.



A Tuxedo



# A Brief History of Linux

#### 2001:

· Linux kernel version 2.4 released.

#### 2003:

- Linux kernel version 2.6 is released.
- Novell acquires German Linux distributor SuSE.
- Red Hat announces that they will no longer sell boxed sets of their Linux distribution for retail customers. Instead, they will distribute Linux to end users via a development distribution called Fedora Core.

# A Brief History of Linux

#### 1991 August

- Linux is introduced by Linus Torvalds, a student university of "Helsinki" in Finland.
- While the linux you know today was developed with assistance of programmer.
- Linus Torvalds still remain control of the evolving core of Linux O.S. : The Kernel



#### A Brief History of Linux

- First Linux "distribution", called MCC Interim Linux is released by the University of Manchester, England. (February 1992)
- Version 0.95 of the Linux kernel released. First version to be able to support X-Window. (March 1992)
- A Linux distribution called Softlanding Linux System (SLS) is released. (September 1992)
- Software und System Entwicklung GmbH (SuSE) founded in Nuremberg, Germany. Distributes a German version of SLS with corresponding manuals. (November 1992)

# A Brief History of Linux

- The following filed a suit against William R. Della Croce, Jr. (September 1996)
- Linus Torvalds
- Linux Journal,
- Yggdrasil Computing, Inc.,
- Linux International
- Work Group Solutions (Digital Equipment Corporation & Red Hat Software contributed to the cost of the legal process)

to re-assign the Linux trademark to Linus Torvalds. The firm of Davis & Schroeder handled the case on an almost pro-bono basis. (Freeor reduced charge for public good)

Kool Desktop Environment (KDE) project announced

#### Why it is So Popular?

- > Multi-user:
- · Each user's shells, applications and commands are separate processes
- · Number of simultaneous users limited only by:
  - CPU speed and available memory

    Min. response times required by users/apps
- > Multi-tasking
- · Many jobs can be under way at the same time

- · A single cpu is shared by all processes
- · Processes exec briefly, passing cpu to others Process switches occur in miliseconds or less
- · Kernel gives process a sense of total control

#### 4. Is Command

The <u>ls</u> command is used to display a list of content of a directory.

Syntax:

ls
Output:

manor@LAPTOP-252C2733:~\$ ls hello ksrmcse new test

manor@LAPTOP-2S2C2733;~/cse\$ cat>demo.txt
This is my first demo file.
Welcome to all.^Z
[1]+ Stopped cat > demo.txt
manor@LAPTOP-2S2C2733;~/cse\$ cat demo.txt
This is my first demo file.
manor@LAPTOP-2S2C2733:~/cse\$ \_

#### 11. rename Command

The <u>rename</u> command is used to rename files. It is useful for renaming a large group of files.

#### Syntax:

rename 's/old-name/new-name/' files For example, to convert all the text files into pdf files, execute the below command:

rename 's/\.txt\$/\.pdf/' \*.txt

# Output:



manor@LAPTOP-252C2733:~/cse\$ head -5 text.txt 1 2 3 4 5 manor@LAPTOP-252C2733:~/cse\$

#### 5. cd Command

The <u>cd</u> command is used to change the current directory.

Syntax:

cd <directory name>

Output:

manor@LAPTOP-2S2C2733:~\$ cd cse manor@LAPTOP-2S2C2733:~/cse\$ \_

#### 8. rm Command

The <u>rm</u> command is used to remove a file.

Syntax:

rm <file name>

Output:

manor@LAPTOP-2S2C2733:~/cse\$ rm demo1.txt manor@LAPTOP-2S2C2733:~/cse\$ cat demo1.txt cat: demo1.txt: No such file or directory manor@LAPTOP-2S2C2733:~/cse\$

iavatpoint@javatpoint-Inspiron-3542:~\$ rename 's/\.txt\$/\.pdf/' \*.txt javatpoint@javatpoint-Inspiron-3542:~\$ is examples.desktop Music Python-3.8. Desktop Hewfolder sample Directory hello.c Documents hello.i snan composer.phar Downloads hello.o Pictures Templates eclipse hello.s project Test.pdf eclipse-installer index.html Public Videos eclinse-workspace mail

#### 13. tail Command

The <u>tail</u> command is similar to the head command. The difference between both commands is that it displays the last ten lines of the file content. It is useful for reading the error message.

Syntax:

tail <file name>

Output:

#### Linux File commands: 6. touch Command



The <u>touch</u> command is used to create empty files. We can create multiple empty files by executing it once.

Syntax:

touch <file name>
touch <file1> <file2> ....

Output:

smor@LAP10P-252C2793:-/cand touch demo.txt demo1.txt demo2.txt
smor@LAP10P-252C2793:-/cus\$ is
lemo.txt demo1.txt demo2.txt
lemo.txt demo1.txt demo2.txt

#### 9. cp Command

The <u>cp</u> command is used to copy a file or directory.

Syntax:

To copy in the same directory: cp <existing file name> <new file na me>

To copy in a different directory:

#### Output:

manon@LAPTOP-252C2733:~/cse\$ cp demo.txt demo1.txt manon@LAPTOP-252C2733:~/cse\$ cat demo1.txt This is my first demo file. manon@LAPTOP-252C2733:~/cse\$

# **Linux File Content Commands:**

#### 12. head Command

The <u>head</u> command is used to display the content of a file. It displays the first 10 lines of a file.

Syntax:

head <file name>

**Output:** 

# cat <file name> Output:

10. my Command

7. cat Command

Syntax:

another file, and more.

cat [OPTION]... [FILE]..

// Enter file content

To create a file,

follows:cat > <file name>

The <u>mv</u> command is used to move a file or a directory form one location to another location.

The cat command is a multi-purpose utility in the

Linux system. It can be used to create a file, display

content of the file, copy the content of one file to

Press "CTRL+ D" keys to save the file. To display the

content of the file, execute it as follows:

execute

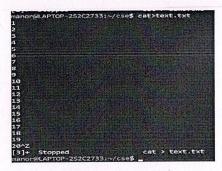
it as

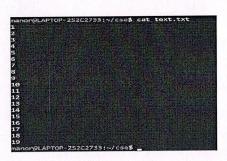
## Syntax:

mv <file name> <directory path>

#### Output:

manorial.APTOP-252C2733:-/cee\$ cd ...
manorial.APTOP-252C2733:-/f is
cae hello ksrmcyae new teat
manorial.APTOP-252C2733:-5 mv ksrmcse cse
manorial.APTOP-252C2733:-5 dc cse
manorial.APTOP-252C2733:-/cse\$ ls
demo.txt demo1.txt demo2.txt ksrmcse
manorial.APTOP-252C2733:-/cse\$ mv ksrmcse
manorial.APTOP-252C2733:-/cse\$ mv ksrmcse
manorial.APTOP-252C2733:-/cse\$ ls
demo.txt demo1.txt demo2.txt ksrmcse1
manorial.APTOP-252C2733:-/cse\$ ls
demo.txt demo1.txt demo2.txt ksrmcse1
manorial.APTOP-252C2733:-/cse\$ ls







#### 14. tac Command

The tac command is the reverse of cat command, as its name specified. It displays the file content in reverse order (from the last line).

Syntax:

tac <file name>

Output:

#### 16. less Command

The less command is similar to the more command. It also includes some extra features such as 'adjustment in width and height of the terminal.' Comparatively, the more command cuts the output in the width of the terminal.

Syntax:

less <file name>

**Output:** 

#### 19. useradd Command

The useradd command is used to add or remove a user on a Linux server.

Syntax:

useradd username

Output:

javatpoint@javatpoint-Inspiron-3542:~\$ sudo useradd JTP [sudo] password for javatpoint: javatpoint@javatpoint-Inspiron-3542:-5

# **Linux Filter Commands:**

#### 22. cat Command

The cat command is also used as a filter. To filter a file, it is used inside pipes.

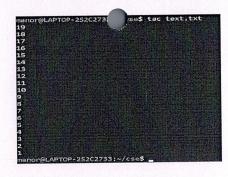
Syntax:

cat <fileName> | cat or tac | cat or tac |

Output: minorguapite-25/22/33-yers at demol.txt
This is my first domo file.

minorguapite-25/22/33-yers at demol.txt [tac | cst | tacthis is my first domo file.

manorguapite-25/22/33-yers cat demol.txt [tac | cst | tacmanorguapite-25/22/33-yers cat demol.txt [tac his is my first demo file. amor@LAPIOP-252C2733:-/csei cat demol.txt |tsc | cat his is my first demo file.



#### Linux User Commands:

## 17. su Command

The su command provides administrative access to another user. In other words, it allows access of the Linux shell to another user.

Syntax:

su <user name>

Output:

javatpoint@javatpoint-Inspiron-3542:-\$ su javatpoint javatpoint@javatpoint-Inspiron-3542:-\$

#### 20. passwd Command

The passwd command is used to create and change the password for a user.

Syntax:

passwd <username>

Output:

javatpoint@javatpoint-Inspiron-3542:-\$ sudo passwd JTP Enter new UNIX password: Retype new UNIX password: passwd: password updated successfully

#### 23. cut Command

The cut command is used to select a specific column of a file. The '-d' option is used as a delimiter, and it can be a space (' '), a slash (/), a hyphen (-), or anything else. And, the '-f' option is used to specify a column number.

Syntax:

Cut

-d(delimiter)-f(columnNumber) <fileNa

me>

Output:

#### 15. more command

The more command is quite similar to the is used to display the file content in the same way that the cat command does. The only difference between both commands is that, in case of larger files, the more command displays screenful output at a time.

In more command, the following keys are used to scroll the

ENTER key: To scroll down page by line. Space bar: To move to the next page. b key: To move to the previous page. / key: To search the string.

Syntax: more <file name>

Output:

# gapiel - font-lock-mode support for gyp files ; Copyright (c) 2012 Coogle Inc. All rights reserved. ; Use of this source code is governed by a 850-style license that can be ; found in the LICENSE File. ; Put this somewhere in your load-path and (require 'python) (require 'cl) (when (string-match 'python-mode et' (symbol-file 'python-mode 'defun)) (error (concat 'python-mode must be loaded from python.el (bundled with "recent emacson), not from the older and less materialmed

# 18. id Command

; gyp.el - font-lock-mode support for gyp files.

Put this somewhere in your load-path and

(require 'python) (require 'cl)

Copyright (c) 2012 Google Inc. All rights reserved, Use of this source code is governed by a BSD-siyle license that can be found in the LICENSE file.

(when (string-match 'python-mode.et' (symbol-file 'python-mode 'defun)) (error (concat 'python-mode must be loaded from python.et (bundled with "recent enaces), not from the older and less maintained "python-mode.et")))

defadvice python-indent-calculate-levels (after gyp-outdent-closing-parens

"De-indent closing parens, braces, and brackets in gyp-mode. (when (and (eq major-mode gyp-mode) (string-match "\* "[])]]],)]\* "5" (buffer-substring-no-properties

The id command is used to display the user ID (UID) and group ID (GID).

Syntax:

id

#### Output:

javatpoist@javatpoint-Inspiron-3542:-\$ id rid=1888(javatpoint) gid=1888(javatpoint) groups=1888(javatpoint),4(adm),24(cdro n),27(sudo),38(dip),46(plugdev),116(lpadmin),126(sambashare) iavatpoint@favatpoint-Inspiron-3542:-5

# 21. groupadd Command

The groupadd command is used to create a user group.

(defadvice python-indent-calculate-levels (after gyp-outdent-closing-parent

Syntax:

groupadd <group name>

Output:

javatpoint@javatpoint-Inspiron-3542:-\$ sudo groupadd Developer iavatoointûiavatpoint-Inspiron-3542:~S

#### Linux Filter Commands:

Filters are programs that take plain text(either stored in a file or produced by another program) as standard input, transforms it into a meaningful format, and then returns it as standard output.

# 24. grep Command

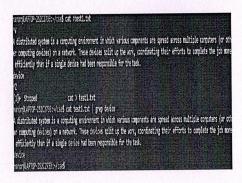
The grep is the most powerful and used filter in a Linux system. The 'grep' stands for "global regular expression print." It is useful for searching the content from a file. Generally, it is used with the pipe.

Syntax:

command | grep <searchWord>

Output:





javatpoint@javatpoint-Inspiron-3542:+\$ echo class7 | sed 's/class/jtp/' javatpoint@javatpoint-Inspiron-3542:-\$ echo class7 | sed 's/7/10/

THE ENT THE DECEMBER a Berthell spile is a Copyling i Copyling in Will before Copylish art prick does militi Copylis (or other Copyling in a chord, Intel Ballis it of wa, consist the Post block to be of Final, the fields the while touch to total.

#### wc Command

The wc command is used to count the lines, words, and characters in a file. Syntax:

wc <file name> **Output:** 

> manor@LAPTOP-2S2C2733:~/cse\$ wc test1.txt 3 50 320 test1.txt nanor@LAPTOP-252C2733:~/cse\$

## 25. comm Commai

The 'comm' command is used to compare two files or streams. By default, it displays three columns, first displays non-matching items of the first file, second indicates the non-matching item of the second file, and the third column displays the matching items of both files.

Syntax:

comm <file1> <file2> **Output:** 

#### 27. tee command

The tee command is quite similar to the cat command. The only difference between both filters is that it puts standard input on standard output and also write them into a file.

Syntax:

cat <fileName> | tee <newFile> | cat or tac | ..... Output:

## 29. uniq Command

The uniq command is used to form a sorted list in which every word will occur only once.

Syntax:

command <fileName> | uniq **Output:** 

#### 31. od Command

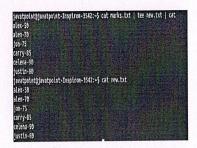
The od command is used to display the content of a file in different s, such as hexadecimal, octal, and ASCII characters.

Syntax:

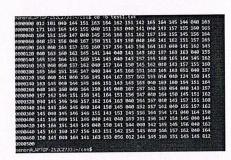
od -b <fileName> // Octal format od -t x1 <fileName> // Hexa decimal form at od -c <fileName> // ASCII character for mat

**Output:** 









# 26. sed command

The sed command is also known as stream editor. It is used to edit files using a regular expression. It does not permanently edit files; instead, the edited content remains only on display. It does not affect the actual file.

Syntax:

command | sed 's/<oldWord>/<newWord>/'

Output:

#### 28. tr Command

The tr command is used to translate the file content like from lower case to upper case.

Syntax:

command | tr <'old'> <'new'>

Output:

```
anor@LAPTOP-252C2733:~/cse$ sort word.txt | uniq
nor@LAPTOP-2S2C2733:~/cse$
```



#### **Linux Utility Commands:**

#### 35. find Command

The <u>find</u> command is used to find a particular file within a directory. It also supports various options to find a file such as byname, by type, by date, and more.

The following symbols are used after the find command:

(.): For current directory name

(/) : For root

Syntax:

find . -name "\*.pdf"

#### 37. date Command

The <u>date</u> command is used to display date, time, time zone, and more.

Syntax:

date

Output:

#### 39. sleep Command

The <u>sleep</u> command is used to hold the terminal by the specified amount of time. By default, it takes time in seconds.

Syntax:

sleep <time>

Output:

manon@LAPTOP-2S2C2733:~/cse\$ sleep 5

## 32. sort Command

The <u>sort</u> command is used to sort files in alphabetical order.

Syntax:

sort <file name>



#### Output:

```
ranor@LAPTOP-252C2733:~/cse$ find -name '*.txt'
//aaa.txt
//bbb.txt
//demo.txt
//demo2.txt
//istory.txt
//test1.txt
//text.txt
//word.txt
ranor@LAPTOP-252C2733:~/cse$
```

#### 38, cal Command

The <u>cal</u> command is used to display the current month's calendar with the current date highlighted.

Syntax:

cal

**Output:** 



#### 40. time Command

The <u>time</u> command is used to display the time to execute a command.

Syntax:

time

Output:



#### 33. gzip Command

The gzip command is use to truncate the file size. It is a compressing tool. It replaces the original file by the compressed file having '.gz' extension.

Syntax:

gzip <file1> <file2> <file3>...

Output:

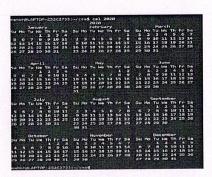
emonius is concerned gue tent int monius is concerned gue tent int monius is concerned is eacht bibliot sen int éral int éral int distoy, int concest tent int ge tent int monitor monius is 2020 selections

#### 36. locate Command

The <u>locate</u> command is used to search a file by file name. It is quite similar to find command; the difference is that it is a background process. It searches the file in the database, whereas the find command searches in the file system. It is faster than the find command. To find the file with the locates command, keep your database updated.

Syntax:

locate <file name>



# employee Schiller and the ad health. Enthined special is complete neither in the nation control and treat which control in the complete should be a should be sense at the enthined and the other in the control and the cont

#### 34. gunzip Command

The <u>gunzip</u> command is used to decompress a file. It is a reverse operation of gzip command.

Syntax:

gunzip <file1> <file2> <file3>. .

Output:

employer-Biller-loop graip test.bt employer-Biller-loop le ee.br/tibilty den.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.br/deel.b

#### Output:

javatpointájavatpoint-Inspiron-SS42:-5 locate syscil.comf
jetc/syscil.comf
jetc/syscil.comf
jetc/syscil.comf
jetc/syscil.comf
jenap]core/8035/etc/syscil.comf
jenap]core/8035/etc/syscil.comf
jenap]core/9606/etc/syscil.comf
jenap]core/9606/etc/syscil.comf
jenap]core/9606/etc/syscil.comf
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jenap]core/8060/etc/syscil.comf
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jenap]core/8060/etc/syscil.comf
jenap]core/8060/etc/syscil.comf
jenap]core/8060/etc/syscil.comf
jenaplcore/8060/etc/syscil.comf



#### 41. zcat Command

The zcat command is used to display the compressed files.

Syntax:

zcat <file name>

Output:

ergener with only a design of half of the light of the design of the control of the design of the design of the design of the control of the design of the design of the design of the design of the control of the cont

#### 42. df Command

The df command is used to display the disk space used in the file system. It displays the output as in the number of used blocks, available blocks, and the mounted directory.

Syntax:

df

**Output:** 

# 44. exit Command

Linux exit command is used to exit from the current shell. It takes a parameter as a number and exits the shell with a return of status number.

Syntax:

exit

Output:

avatpoint@javatpoint-Inspiron-3542:-\$ exit

After pressing the ENTER key, it will exit the terminal.

#### 46. Link command:

A link creates a reference to a file or folder. Symbolic links are used in Linux for managing and collating files.

In command to create symbolic links Syntax:

In [-sf] [source] [destination]

#### Hard Link:

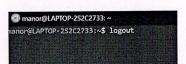
A hard link acts as a copy (mirrored) of the selected file. It accesses the data available in the original file.

If the earlier selected file is deleted, the hard link to the file will still contain the data of that file.

Soft Link:

A soft link (also known as Symbolic link) acts as a pointer or a reference to the file name. It does not access the data available in the original file. If the earlier file is deleted, the soft link will be pointing to a file that does not exist anymore.





- By default, the In command creates a hard
- Use the -s option to create a soft (symbolic)
- · The -f option will force the command to overwrite a file that already exists.
- · Source is the file or directory being linked to.
- Destination is the location to save the link if this is left blank, the symlink is stored in the current working directory.

romatifications: sices is -i #339947158707931 aaa.txt 1970324836997738 demo2.txt 4222124651086676 symbolic-line 6375528629778863 bbb txt 18095873486718869 history.txt 7318349394821153 text1.txt.gz 7599824371212819 denot.txt 24769797956548745 ksnrksel 18814398589518684 word.txt romit.#FT0P-253027331x/cset

https://ostechnix.com/explaining-soft-link-and-hard-link-in-linux-with-examples

#### 43. mount Command

The mount command is used connect an external device file system

to the system's file system.

Syntax:

mount -t type <device> <directory> **Output:** 

45. clear Command

Linux clear command is used to clear the terminal screen.

Syntax: clear

Output:

among.APTOP-252C2733:-\$ cat restlitxt at: restlitxt: No such file or directory ongLAPTOP-252C2733:-\$ cd cse orgCAPTOP-252C2735:-/chk\$ cat demo.txt come to KSRMCE ne spmp-25202733:w/css% eat demol.txt NO APTOPUSCOCOTOR-West clear

nor@LAPTOP-252C2733:~/cse\$ ln -s demo.txt symbolic-link enon@LAPTOP-252C2733:~/cse\$ 1s aaa.txt demo.txt demo2.txt ksrmcse1 test1.txt.gz word.txt bbb.txt demol.txt history.txt symbolic-link text.txt nanor@LAPTOP~2S2C2733:~/cse\$

manor@LAPTOP-252C2733:~/cse\$ in demo.txt hordlink.txt manor@LAPTOP-252C2735:~/cse\$ ls sa.txt demo.txt demo2.txt hordlink.txt symbolic-link text.txt obb.txt demoi.txt history.txt ksrmcsel test1.txt.gz word.txt mor@LAPTOP-252027331~/cse\$

https://linuxize.com/post/how-to-create-symbolic-links-in-linux-using-the-In-com

anor@LAPTOP-2S2C2733:~/cse\$ cat hordlink.txt welcome to KSRMCE anon@LAPTOP-252C2733:~/cse\$ cat symbolic-link velcome to KSRMCE manor@LAPTOP-2S2C2733:~/cse\$ cat demo.txt elcome to KSRMCE anor@LAPTOP-2S2C2733:~/cse\$ rm demo.txt anor@LAPTOP-2S2C2733:~/cse\$ cat demo.txt cat: demo.txt: No such file or directory manor@LAPTOP-2S2C2733:~/cse\$ cat hordlink.txt welcome to KSRMCE anor@LAPTOP-2S2C2733:~/cse\$

tfs on / type walfs (rw,noatime) one on /dev type trafs (rw.mostime.mode:755)
sysfs on /sys type sysfs (rw.mosuid.modev.mostec.mostine)
aroc on /proc type proc (rw.mosuid.modev.mostec.mostine) opts on /dev/pts type devpts (rw,nosuid,rcexec,mostire,gide5,mode=620) e on /run type trpfs (rw,rosuid,noexec,noetime,mode=755 ne on /run/lock type tropfs (re,nosuid,nodev,noexec,nostine) ne on /run/sha type trpfs (rw,nosuid,nodev,nostime) ne on /run/user type tropfs (nw.nosuid.nodev.noexec.nostine.mode=755) fmt\_mise on /proc/sys/fs/binfmt\_mise type binfmt\_mise (rw,relatime fs on /sys/fs/cgroup type tripfs (re,resuls,node/,noexec,relatime,node=755 group on /sysffs/cgroup/devices type tgroup (re,nomid,nodev,noesec,relative,devices) -) on /nnt/c type drufs (re,noatise,wid=1800,gid=1800,case=off) on /mnt/d type drufs (rw,moutime,wid=1888,gid=1888,case=off

After pressing the ENTER key, it will clear the terminal screen.



#### 47. Removing Symlinks

To delete/remove symbolic links use either the unlink or rm command.

The syntax of the unlink is very simple: unlink symlink to remove

symbolic Removing a using the rm command is the same as removing a file:

rm symlink\_to\_removezz

#### 48. Alias command:

alias command instructs the shell to replace one string with another string while executing the commands.

When we often have to use a single big command multiple times, in those cases, we create something called as alias for that command. Alias is like a shortcut command which will have same functionality as if we are writing the whole command.

# Syntax: alias [-p] [name[=value] ... ]

alias name="value"

APTOP-252C2733:~/cse\$ alias cls='clear APTOP-252C2733:~/cse\$ \_

#### 51. ssh Command

Linux ssh command is used to create a remote connection through the ssh protocol. Syntax:

ssh user name@host(IP/Domain\_name)

#### 55. Whoami command:

It tells you about the system's username. Syntax:

whoami

```
manor@LAPTOP-252C2733:~/cse$ whoami
manor@LAPTOP-2S2C2733:~/cse$
```

49. Creating an Una Removing an existing alias is known as unaliasing. Syntax:

unalias [alias name]

```
one person and the second motion of the consequence of the second motion of the consequence of the second motion of the second motion
```

#### 52. mail Command

The mail command is used to send emails from the command line.

#### Syntax:

mail -s "Subject" < recipient address> **Output:** 

```
javatpoint@javatpoint-Inspiron-3542:-$ mail -s "Hello Horid" Hinanshudubey461@gmail.com
Hello There
Hope you are doing well.
```

#### 56. Who Command:

The who command gives the information about the users logged on to the system.

#### Syntax:

who

```
7816-06-38 89:74
2016-06-38 17:47 (:8)
```

## Linux Networking Comman 50. ip Command

Linux ip command is an updated version of the ipconfig command. It is used to assign an IP address, initialize an interface, disable an interface.

#### Syntax:

ip a or ip addr



#### 53. ping Command

The ping command is used to check the connectivity between two nodes, that is whether the server is connected. It is a short form of "Packet Internet Groper."

#### Syntax:

ping <destination>

#### **Output:**

```
bytes from www.javatpoint.com (194,169.80.121): icmp seque ttlu48 tinewine
                  ratpoint.com (194,169,80.121): icmp_sequi ttl=48 time=2116
 bytes from www.javatpoint.com (194.169.80.121): 1cmp_sequ4 ttl=48 t
```

#### 54. host Command

The host command is used to display the IP address for a given domain name and vice versa. It performs the DNS lookups for the DNS Query.

#### Syntax:

host <domain name> or <ip address>

```
norganTon-ASSC2733. Care host now karmon actin

w kernon actin is an alias for kernon actin

mone actin has andreas 351 1681 1738

mme actin mail is handled by 10 alts aspmt.lgoogle.com

mme actin mail is handled by 5 alts aspmt.lgoogle.com

mme actin mail is handled by 2 aspmt.lgoogle.com

mme.actin mail is handled by 10 alts aspmt.lgoogle.com

mme.actin mail is handled by 3 alts aspmt.lgoogle.com

mme.actin mail is handled by 5 alts aspmt.lgoogle.com.
```