

# **Certificate Course**

## **On**

### **Python Programming**

*09/05/2022 to 21/05/2022*

**Coordinators: Smt. S. RIYAZBANU**

**Smt. K. Sujuna kumari**



**K.S.R.M. COLLEGE OF ENGINEERING**  
**(UGC-AUTONOMOUS)**

Kadapa, Andhra Pradesh, India- 516 003

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Lr./KSRMCE/ CSE/Python Programming /Certification Course/2022

Date: 04.05.2022

**To**  
**The Principal,**  
K.S.R.M.College of Engineering  
Kadapa.

**From**  
S.RiyazBanu,  
Assistant Professor,  
CSE Department  
K.S.R.M.College of Engineering  
Kadapa.

Respected Sir,

**Sub:** KSRMCE - Permission to conduct Certification Course on Python Programming -CSE Department - Requested - Reg.

It is being brought to your kind notice that, With reference to the cited, the CSE Department is planning to organise Certification Course on “**Python Programming**” for all IV sem B.Tech Students from 9<sup>th</sup> May 2022 to 21<sup>st</sup> May 2022. In this regard I kindly request you Sir to grant the permission for organizing Certification Course in offline mode. This is submitted for your kind perusal.

Thanking you Sir,

*Forwarded to the  
Principal Sir!*  
*[Signature]*

**Yours Faithfully,**

*Riyaz Banu*  
S.RiyazBanu,

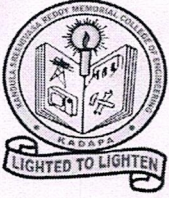
Assistant Professor,  
CSE Department  
K.S.R.M.College of Engineering  
(Autonomous)

Cc:

To The Director for Information

To All Deans /HOD's

*Permitted*  
*V. S. S. Mm/5*  
*04/05/2022*

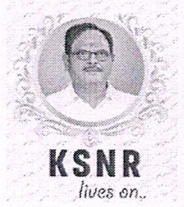


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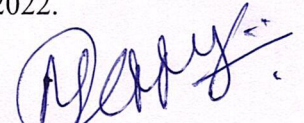


Cr./KSRMCE/CSE Dept/ Python Programming /Certification Course /2021-22

Date:04-05-2022

## Circular

All B.Tech students are hereby informed that CSE department is going to organize 30 Hours certification course on "Python Programming" for all Branch IV sem B.Tech students from 9<sup>th</sup> May 2022 to 21<sup>st</sup> May 2022. So interested students may register their names with "Python Programming" Certification Course Coordinator S.RiyazBanu, Assistant professor in CSE department on or before 7<sup>th</sup> May 2022.

  
HOD

Cc to:

The Director for information

All Deans/HODs



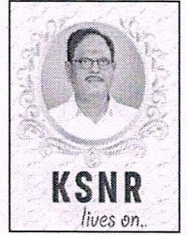
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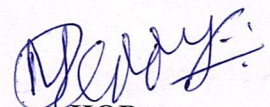


Department of Computer Science & Engineering  
Certificate Course on Python Programming  
Registration Form

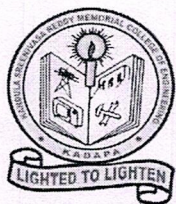
S.No.	Roll.No.	Name of the Student	Branch	Sem	Signature
1	21945A0123	B. parimala	CE	IV	B. parimala.
2	20941A04F4	B. Kalyani	ECE	IV	Kalyani
3	20941A0403	J. Nagamani	ECE	IV	J. Nagamani
4	21945A0107	P. Roja Reddy	ECE	IV	P. Roja Reddy
5	20941A04F3	U. poojitha	ECE	IV	Poojitha
6	20941A04D5	V. Anusha	ECE	IV	V. Anusha
7	20941A0125	A. Uday Kumar Reddy	CE	IV	Uday Kumar Reddy
8	21945A0126	M. Ranjith Kumar	CE	IV	M. Ranjith Kumar
9	20941A0128	S. Thakkalla Yunus	CE	IV	Thakkalla Yunus
10	21945A0503	J. Venu	CSE	IV	J. Venu
11	21945A0155	V. G. Madhusai Venkat	civil	IV	Madhusai Venkat
12	21945A0186	A. Samson	CE	IV	Samson
13	21945A0111	G. saitha	CE	IV	Saitha
14	21945A0117	V. Pallavi	CE	IV	Pallavi
15	21945A0116	S. Siva Ruchitha	CE	IV	Ruchitha
16	20941A0434	K. Harindranath	ECE	IV	Harindranath
17	20941A0168	K. Jaipal Reddy	CE	IV	K. Jaipal Reddy
18	21945A0110	K. Eswar sai	CE	IV	Eswar sai
19	21945A0106	B. Raja Rajaswari	CE	IV	Rajaswari
20	21945A0112	Lalappa	CE	IV	Lalappa
21	20941A0162	K. B. Veeresh	CE	IV	veeresh
22	20941A04F5	C. Naveen	ECE	IV	Naveen
23	20941A0170	E. Guruteja	CE	IV	Guruteja

24	20941A04F1	D. Hemanth Kumar	ECE	IV	Hemanth
25	21945A0101	Sivapavani	CE	IV	Sivapavani
26	20941A04F6	Vinay Ramthu	ECE	IV	Vinay
27	20941A04F2	B. RUPESH	ECE	IV	RUPESH
28	21945A0123	B. Munivarthan	CE	IV	Muni
29	20941A04F4	C. Nikiteswara	ECE	IV	Nikel.
30	20941A0403	P. Kalpana	ECE	IV	Kalpana
31	21945A0107	V. Suvpra	ECE	IV	V. Suvpra
32	20941A04F3	S. Saravanthi	ECE	IV	Saravanthi
33	20941A04D5	V. Nandini	ECE	IV	Nandini
34	20941A0125	A. Rajitha	CE	IV	Rajitha
35	21945A0126	V. Sneha Lakshmi Reddy	CE	IV	V. Sneha Lakshmi Reddy
36	20941A0128	V. Varshini	CE	IV	Varshini
37	21945A0503	B. Parimala	CSE	IV	Parimala
38	21945A0155	B. Kalyani	CE	IV	Kalyani
39	21945A0136	J. Nagawani	CE	IV	Nagawani
40	21945A0111	P. Roja Reddy	CE	IV	Roja
41	21945A0117	U. Poojitha	CE	IV	Poojitha
42	21945A0116	V. Anusha	CE	IV	Anusha
43	20941A0434	A. Uday Kumar Reddy	ECE	IV	A. Uday Kumar Reddy
44	20941A0168	M. Ranjith kumar	CE	IV	Ranjith
45	21945A0110	S. Thakkala Yunus	CE	IV	Thakkala Yunus
46	21945A0106	J. Vasu	CE	IV	Vasu
47	21945A0112	V.C. Madhu Sai Venkat	CE	IV	Madhu
48	20941A0162	A. Samson	CE	IV	Samson
49	20941A04F5	G. Saritha	ECE	IV	Saritha
50	20941A0170	V. Pallavi	CE	IV	Pallavi
51	20941A04F1	S. Siva Ruchitha	ECE	IV	Ruchitha
52	21945A0101	K. Harindranath	CE	IV	K. Harindranath
53	20941A04F6	K. Jaipal Reddy	ECE	IV	Jaipal
54	20941A04F2	K. Eswar sai	ECE	IV	K. Eswar sai

Rivene Bassy  
Coordinator(s)

  
HOD

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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## Python Programming

### Syllabus

#### UNIT-1

Features of python, Execution of a python program, comments, identifiers and variables and some simple examples of python programming.

#### UNIT-2

classification of data types, keywords, constants, Naming conventions in python, Operators and expressions, operator precedence and associativity, input and output statements, examples.

#### UNIT-3

Control statements: simple if, if..else, nested if, if..elif..else statement. Loops: while loop, for loop, nested loops, break , continue , pass and assert statements, Arrays in python, Strings and their operations.

#### UNIT-4

Functions: define and calling a function, return statement, formal and actual arguments, local and global variables, passing arguments to function, anonymous functions, example programs on functions, recursion.

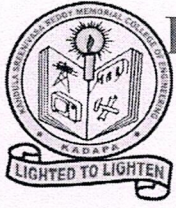
#### UNIT-5

Python program to find Roots of Quadratic equation, Given number is Prime or not Display Prime numbers upto given number n, Reverse the string without reverse() function, Find list of words that are larger than n from a given list of words, Write a program to print each line of a file in reverse order.

*R. G. S. R. N. Y.*  
COORDINATOR

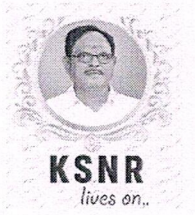
*V. Lokeswara Reddy*  
HOD

Dr. V. LOKESWARA REDDY  
M.Tech., Ph.D.,  
Professor & HOD CSE  
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## Department of Computer Science & Engineering

### Certificate Course on Python Programming

#### Schedule

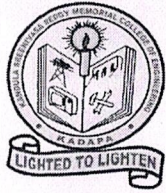
S.No	Date	Time	Faculty	Topic
1	09/05/2022	4 PM to 6 PM	S.Riyazbanu	Features of python, Execution of a python program, comments
2	10/05/2022	4 PM to 6 PM	S.Riyazbanu	identifiers and variables and some simple examples of python programming.
3	11/05/2022	4 PM to 6 PM	S.Riyazbanu	classification of data types, keywords, constants, Naming conventions in python
4	12/05/2022	4 PM to 6 PM	K.Sujuna kumari	operator precedence and associativity, input and output statements, examples
5	13/05/2022	4 PM to 6 PM	S.Riyazbanu	Operators and expressions
6	14/05/2022	4 PM to 6 PM	K.Sujuna kumari	Control statements: simple if, if..else, nested if, if..elif..else statement
7	15/05/2022	10 to 4 pm	S.Riyazbanu	Examples of python

8	16/05/2022	4 PM to 6 PM	S.Riyazbanu	Loops: while loop,for loop, nested loops, break , continue , pass and assert statements
9	17/05/2022	4 PM to 6 PM	K.Sujuna kumari	Arrays in python, Strings and their operations.
10	18/05/2022	4 PM to 6 PM	S.Riyazbanu	Functions
11	19/05/2022	4 PM to 6 PM	S.Riyazbanu	Example of Functions
12	20/05/2022	4 PM to 6 PM	S.Riyazbanu	example programs on functions, recursion.
13	21/05/2022	4 PM to 6 PM	S.Riyazbanu	Practically tried some programs

*Riyazbanu*  
Coordinator

*Reddy*  
HOD  
Dr. V. LOKESWARA REDDY  
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## Department of Computer Science & Engineering

### Certificate Course on Fundamentals of Python

#### Attendance Sheet

S. No	Roll Number	Name of the Student	09/05/2022	10/05/2022	11/05/2022	12/05/2022	13/05/2022	14/05/2022	15/05/2022	16/05/2022	17/05/2022	18/05/2022	19/05/2022	20/05/2022	21/05/2022
1	219Y5A0123	B. Parimala	P	P	P	P	P	P	P	P	P	P	P	P	P
2	209Y1A04F4	Botta.kalyani	P	P	P	P	A	P	P	P	P	P	A	P	P
3	209Y1A0403	J. Nagamani	P	P	P	P	P	A	P	P	A	P	P	P	
4	219Y5A0407	Peram Roja Reddy	P	P	P	P	P	P	P	A	P	P	A	P	
5	209Y1A04F3	U.Poojitha	P	A	P	P	P	A	P	P	P	A	P	P	
6	209Y1A04D5	V. Anusha	P	P	P	P	P	P	P	P	P	P	P	P	A
7	209Y1A0125	A Uday kumar Reddy	A	P	P	P	P	A	P	P	P	P	P	P	P
8	219Y5A0126	M. Ranjith kumar	P	P	P	A	P	P	P	A	P	P	P	P	P
9	209Y1A0128	SHAIK THAKKALLA YUNUS	P	P	A	P	P	P	P	P	P	P	P	P	P
10	219Y5A0503	J.vasu	P	P	P	P	P	A	P	P	A	A	P	P	P
11	219Y5A0155	V C MADHU SAI VENKAT	P	P	P	A	P	P	P	P	P	P	P	A	P
12	219Y5A0136	A Samson	P	A	P	P	P	P	P	P	P	P	A	P	

13	219Y5A0111	Ganjikunta Saritha	P	P	P	P	P	P	P	A	P	P	P	A	P	P
14	219Y5A0117	Vasantha Pallavi	P	P	P	A	P	P	P	P	P	A	P	P	P	P
15	219Y5A0116	S siva ruchitha	P	P	P	P	P	P	P	P	A	P	P	P	P	P
16	209Y1A0434	K.Harindranath	P	P	P	P	A	P	P	P	P	A	P	P	P	P
17	209Y1A0168	Kamireddy jaipal reddy	P	P	P	P	P	A	P	P	P	P	P	P	P	P
18	219Y5A0110	K. Eswar sai	P	P	P	P	P	P	A	P	P	P	P	P	P	P
19	219Y5A0106	Bathala Raja Rajeswari	P	A	P	P	P	P	P	P	P	P	P	P	P	P
20	219Y5A0112	Lalappa	P	P	A	P	P	P	P	P	P	P	P	P	A	A
21	209Y1A0162	Kuruva Bangaru veeresh	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	209Y1A04F5	CHALLA NAVEEN	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	209Y1A0170	E. Guruteja	P	P	P	P	A	A	P	P	P	P	P	A	P	P
24	209Y1A04F1	D Hemanth kumar	P	P	A	P	P	P	P	A	P	P	P	P	P	P
25	219Y5A0101	Sivapavani	P	P	P	P	P	P	P	P	P	A	P	P	P	P
26	209Y1A04F6	VINAY RAMTHU	P	P	P	P	P	P	P	P	P	P	P	P	A	P
27	209Y1A04F2	B Roopesh reddy	P	P	P	A	P	P	P	P	P	P	P	P	P	P
28	219Y5A0123	B.Munivardhan	A	P	A	P	A	P	P	P	P	P	P	P	P	P
29	209Y1A04F4	C. Nikileswara	P	P	P	P	P	P	P	P	P	P	P	P	A	P
30	209Y1A0403	Pattam kalpana	P	A	P	P	P	P	P	P	P	P	P	P	P	P
31	219Y5A0407	V.Swapna	P	P	P	P	P	P	A	P	P	A	P	P	P	A
32	209Y1A04F3	Seelam sravanthi	A	P	P	A	P	P	P	P	A	P	P	P	P	P
33	209Y1A04D5	Vaka Nandini	P	P	A	P	P	P	P	P	A	P	P	P	P	P

34	209Y1A0125	Ajjugottu Rajitha	P	P	P	A	P	P	P	P	P	A	P	A	P
35	219Y5A0126	VENEKE SNEHA LATHA REDDY	P	P	P	P	P	P	A	A	P	P	P	P	P
36	209Y1A0128	Vangiti. Varshini	P	P	P	P	A	P	A	P	P	P	P	P	P
37	219Y5A0503	B. Parimala	P	P	P	A	A	P	P	P	P	P	P	P	P
38	219Y5A0155	Botta.kalyani	P	P	P	P	A	P	P	P	P	P	P	A	A
39	219Y5A0136	J. Nagamani	P	P	P	P	P	P	P	A	A	P	P	P	P
40	219Y5A0111	Peram Roja Reddy	P	P	P	P	P	A	P	A	P	P	P	P	P
41	219Y5A0117	U.Poojitha	P	A	A	P	P	P	P	P	P	P	P	P	P
42	219Y5A0116	V. Anusha	A	P	P	P	A	P	P	P	A	P	P	P	P
43	209Y1A0434	A Uday kumar Reddy	P	P	P	A	A	P	P	P	P	P	P	P	P
44	209Y1A0168	M. Ranjith kumar	P	P	P	P	A	P	P	A	P	P	P	P	A
45	219Y5A0110	SHAIK THAKKALLA YUNUS	P	P	P	A	P	P	P	P	A	P	P	P	P
46	219Y5A0106	J.vasu	P	A	P	P	P	P	A	P	P	P	P	P	P
47	219Y5A0112	V C MADHU SAI VENKAT	P	P	P	P	A	A	P	P	A	P	P	P	P
48	209Y1A0162	A Samson	P	P	P	P	A	P	P	P	P	P	P	P	A
49	209Y1A04F5	Ganjikunta Saritha	P	P	A	A	P	P	P	P	P	P	P	P	P
50	209Y1A0170	Vasantha Pallavi	A	P	P	P	P	P	P	A	P	A	A	P	P
51	209Y1A04F1	S siva ruchitha	P	P	P	P	P	P	A	A	P	P	P	P	P

52	219Y5A0101	K.Harindranath	P	P	P	A	P	P	P	P	A	P	P	P	P
53	209Y1A04F6	Kamireddy jaipal reddy	P	A	P	P	P	A	P	P	P	A	P	A	P
54	209Y1A04F2	K. Eswar sai	A	P	P	P	P	P	A	P	A	P	P	P	P

*Riyas Reddy*  
Coordinator

*Reddy*  
HOD

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

## Certification course on "PYTHON PROGRAMMING"



Department of CSE



9-05-2022 TO 21-05-2022  
4:00 PM TO 5:00 PM



PG-116

<https://forms.gle/e9GGaXPjgHUJaq6g8>

Coordinator  
**S.RIYAZBANU**

Co-Coordinator  
**K.SUJANA KUMARI**

Dr. V. Lokeswara Reddy  
(HOD)

Dr. V.S.S. Murthy  
(Principal)

Dr. Kandula Chandra Obul Reddy  
(MD, Kandula Group of Institutions)

Smt. K.Rajeswari  
(Correspondent, Secretary & Treasurer)

Sri K. Madan Mohan Reddy  
(Vice - Chairman)

Sri K. Raja Mohan Reddy  
(Chairman)

    **kasmceofficial**

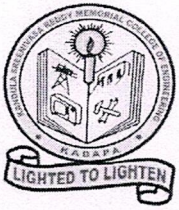


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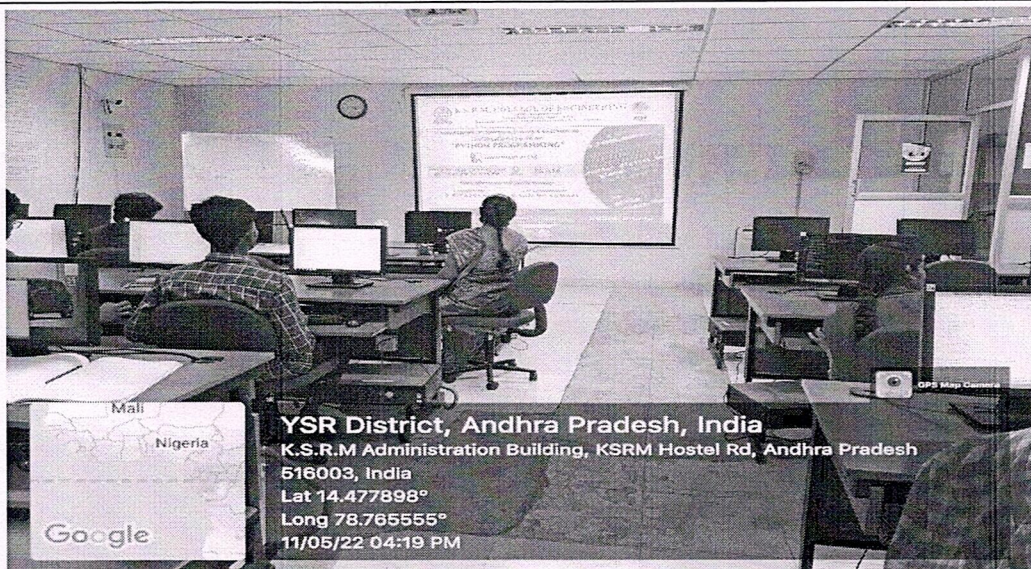
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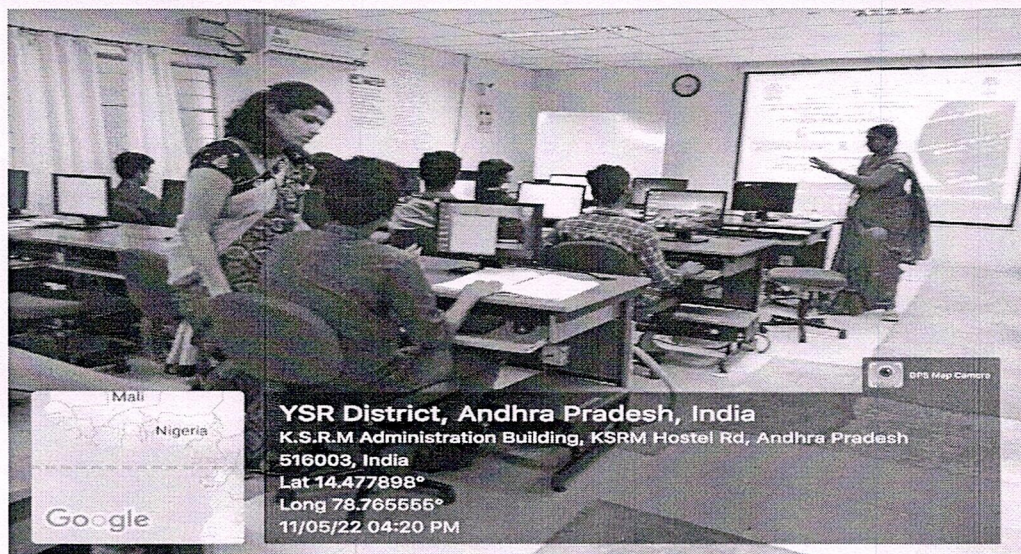


## Activity Report

Name of the Activity	PYTHON PROGRAMMING	
Type of Activity	CERTIFICATION COURSE	
Date and Time of Activity	09-05-2022	21-05-2022
Details of Participants	IV SEM B.TECH STUDENTS	54
Coordinator(s)	S.RIYAZBANU	
Organizing Dept./Support System	ORGANIZER:S.RIYAZBANU SUPPORT SYSTEM:K.SUJUNA KUMARI	
Description	<p>This course is use full to all IV sem B.tech students .Python is a high-level, interpreted, interactive and object-oriented scripting language. Python is designed to be highly readable. It uses English keywords frequently where as other languages use punctuation, and it has fewer syntactical constructions than other languages.Rather than building all of its functionality into its core, Python was designed to be highly extensible via modules. This compact modularity has made it particularly popular as a means of adding programmable interfaces to existing applications. Van Rossum's vision of a small core language with a large standard library and easily extensible interpreter stemmed from his frustrations with ABC, which espoused the opposite approach.</p>	
Photos		



**YSR District, Andhra Pradesh, India**  
 K.S.R.M Administration Building, KSRM Hostel Rd, Andhra Pradesh  
 516003, India  
 Lat 14.477898°  
 Long 78.765555°  
 11/05/22 04:19 PM



**YSR District, Andhra Pradesh, India**  
 K.S.R.M Administration Building, KSRM Hostel Rd, Andhra Pradesh  
 516003, India  
 Lat 14.477898°  
 Long 78.765555°  
 11/05/22 04:20 PM

*Riyaz Rang*  
 Coordinator

*Dr. V. Lokeshwari Reddy*  
**Dr. V. LOKESHWARI REDDY**  
 HOD  
 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**

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



**KSNR**  
lives on..

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

**CERTIFICATE OF PARTICIPATION**

This is to certify that *Mr/Miss* . **P.Sunanda**  
bearing Roll No 219Y5A0156 participated in a Certifica-  
tion course on “ **Python Programming** ” organized by Department  
of Computer Science and Engineering from 9<sup>th</sup> to 21<sup>st</sup> May, 2022.

*Riyaz Bary*  
Coordinator

*M. S. S. Murthy*  
HOD CSE

*V. S. S. Murthy*  
Principal





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**KSNR**  
lives on.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

## CERTIFICATE OF PARTICIPATION

This is to certify that *Mr/Miss* . **P.Rahama thullah**  
bearing Roll No 219Y5A0153 participated in a Certifica-  
tion course on “ **Python Programming** ” organized by Department  
of Computer Science and Engineering from 9<sup>th</sup> to 21<sup>st</sup> May, 2022.

*Riyaz Bani*  
Coordinator

*Neelgiri*  
HOD CSE

*V. S. S. Murthy*  
Principal



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lives on..

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

**CERTIFICATE OF PARTICIPATION**

This is to certify that *Mr/Miss* . **M.Guru Lakshmi**  
bearing Roll No 219Y5A0142 participated in a Certifica-  
tion course on “ **Python Programming** ” organized by Department  
of Computer Science and Engineering from 9<sup>th</sup> to 21<sup>st</sup> May, 2022.

*Riyaz Bamy*  
Coordinator

*Neddy*  
HOD CSE

*V. S. S. Murthy*  
Principal

# Feedback form on Certificate Course

Python Programming (09/05/2022 to 21/05/2022)

Note: 1. Below average   2. Average   3. Good   4. Very Good   5. Excellent

\* Required

1. Roll Number \*

---

2. Name of the Student \*

---

3. B.Tech Semester \*

*Mark only one oval.*

I Sem

II Sem

III Sem

IV Sem

V Sem

VI Sem

VII Sem

VIII Sem

4. Branch \*

*Mark only one oval.*

- Civil Engineering
- EEE
- ME
- ECE
- CSE
- AI&ML

5. Email ID \*

---

6. Is the course content met your expectation. \*

*Mark only one oval.*

- Yes
- No

7. Is the lecture sequence well planned? \*

*Mark only one oval.*

- Yes
- No

8. The contents of the course are explained with examples. \*

*Mark only one oval.*

- Agree
- Moderate
- strongly agree

9. Is the level of course high. \*

*Mark only one oval.*

- Agree
- Moderate
- strongly agree

10. Is the course exposed you to the new knowledge and practice. \*

*Mark only one oval.*

- Agree
- Moderate
- strongly agree

11. Is the lecture clear and easy to understand? \*

*Mark only one oval.*

- 1
- 2
- 3
- 4
- 5

12. Rate the value of the course increasing your skills. \*

*Mark only one oval.*

- 1
- 2
- 3
- 4
- 5

13. Any Issues

---

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Google Forms



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

(UGC - AUTONOMOUS)

Kadapa, Andhra Pradesh, India - 516003

Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu.

Department of Computer Science & Engineering

Feedback form of Fundamentals of python



S.No.	Email address	Name of the student	Year & Semester	Roll Num	Is the course content met your expectation	Is the lecture sequence well planned	The contents of the course is explained with examples	Is the level of course high	exposed you to the new knowledge and practices	lecturer clear and easy to understand	Rate the value of course in increasing your skills	Any issues
1	209y1a0123@ksrmce.ac.in	Siva Sai Tilak Reddy	IV-Civil engineering -AS	209y1a0123	Yes	Yes	Agree	Agree	Strongly agree	4	5	Nothing
2	209y1a0160@ksrmce.ac.in	P. Prasad	4 civil b/s	209y1a0160	Yes	Yes	Agree	Agree	Strongly agree	5	5	Nothing
3	209y1a0460@ksrmce.ac.in	G. Manoj	4/ECE-B/S	209y1a0460	Yes	Yes	Agree	Agree	Strongly agree	4	5	Good
4	219y5a0113@ksrmce.ac.in	C.Guru prasad	4/civil/B	219y5a0113	Yes	Yes	Agree	Agree	Strongly agree	5	5	nothing
5	209y1a0519@ksrmce.ac.in	YELUGOTI JESHAIVI	4/CSE/C	209Y1A0519	Yes	Yes	Agree	Agree	Strongly agree	5	5	Good
6	219y5a0507@ksrmce.ac.in	Jeerla Madhu	2nd year ,4th sem, Branch	219y5a0507	Yes	Yes	Agree	Agree	Strongly agree	4	5	very good
7	209y1a0347@ksrmce.ac.in	P.Anil kumar	4th sem /Mechanical/ A/	209y1a0347	Yes	Yes	Strongly agree	Agree	Strongly agree	4	3	Nothing
8	209y1a0116@ksrmce.ac.in	Cherasalaudaykiran	4/civil/A	209y1a0116	Yes	Yes	agree	Agree	Strongly agree	4	4	no
9	209y1a0106@ksrmce.ac.in	Bandi dinesh kumar	4 civil A	209y1a0106	Yes	Yes	Strongly agree	Agree	Strongly agree	5	5	Nothing
10	209y1a0147@ksrmce.ac.in	M.Rahul	4thsem/civil/A/s	209y1a0147	Yes	Yes	Strongly agree	Agree	Strongly agree	5	5	Good
11	209y1a0124@ksrmce.ac.in	K.kesava	4th sem/ Civil A/S	209y1a0124	Yes	Yes	Agree	Agree	Strongly agree	5	4	Good
12	209y1a0417@ksrmce.ac.in	Y.Bharath	4th sem ECE C/S	209Y1A0417	Yes	Yes	agree	Agree	Strongly agree	5	5	Good
13	219y5a0302@ksrmce.ac.in	Badugu Karthik	4sem , /mec/ B sec	219y5A0302	Yes	Yes	agree	Agree	Strongly agree	3	5	Good
14	209y1a04e0@ksrmce.ac.in	Syed Umar Mukthiyar	IV/ECE/C-S	209Y1A04E0	Yes	Yes	agree	Agree	Strongly agree	5	4	very good
15	209y1a05g6@ksrmce.ac.in	Syed Ajas Basha	4/CSE/c	209y1a05g6	Yes	Yes	agree	Agree	Strongly agree	4	4	very good
16	209y1a04a3@ksrmce.ac.in	N.harathi	4/ECE/B	209Y1A04A3	Yes	Yes	agree	Agree	Strongly agree	5	4	very good
17	209y1a05e4@ksrmce.ac.in	S.Reddy Sai Varma	4th sem Cse-c	209Y1A05E4	Yes	Yes	agree	Agree	Strongly agree	3	5	no
18	219y5a0402@ksrmce.ac.in	B. Pallavi	4 th sem, ECE, C section	219y5a0402	Yes	Yes	agree	Agree	Strongly agree	4	5	nithing
19	219y5a0403@ksrmce.ac.in	B. Parimala	4 sem/ECE/C-section	219Y5A0403	Yes	Yes	Strongly agree	Agree	Strongly agree	4	5	Good
20	209y1a0418@ksrmce.ac.in	Botta kalyani	ECE-A/S	209y1a0418	Yes	Yes	Strongly agree	Agree	Strongly agree	4	4	Good
21	209y1a0465@ksrmce.ac.in	J. Nagamani	4 th ECE -B	209y1a0465	Yes	Yes	Strongly agree	Agree	Strongly agree	4	3	Good
22	209y1a04b4@ksrmce.ac.in	Peram Roja Reddy	4 th sem/ ECE /B section	209Y1A04B4	Yes	Yes	agree	Agree	Strongly agree	4	4	Good
23	209y1a0189@ksrmce.ac.in	U.Poojitha	4th sem,civil,B sec	209y1a0189	Yes	Yes	agree	Agree	Strongly agree	5	4	Good
24	209y1a0191@ksrmce.ac.in	V. Anusha	IV sem/civil/B	209y1a0191	Yes	Yes	Strongly agree	Agree	Strongly agree	5	4	Good
25	209y1a0404@ksrmce.ac.in	A Uday kumar Reddy	4th sem/ECE/A/S	209Y1A0404	Yes	Yes	agree	Agree	Strongly agree	5	5	Good
26	209y1a0333@ksrmce.ac.in	M. Ranjith kumar	4thsem mechanical A sec	209y1a0333	Yes	Yes	agree	Agree	Strongly agree	5	5	Nothing
27	219y5a0167@ksrmce.ac.in	SHAIK THAKKALLA YUNUS	4TH SEM -CIVIL-C-SEC	219Y5A0167	Yes	Yes	agree	Agree	Strongly agree	5	5	no
28	219y5a0123@ksrmce.ac.in	J.vasu	Civil c-section	219y5a0123	Yes	Yes	agree	Agree	Strongly agree	3	4	no
29	209y1a04f4@ksrmce.ac.in	V C MADHU SAI VENKAT	4thsem/ECE/c-sec	209Y1A04F4	Yes	Yes	Strongly agree	Agree	Strongly agree	3	4	no
30	209y1a0403@ksrmce.ac.in	A Samson	4thsem/ECE/A/S	209Y1A0403	Yes	Yes	Strongly agree	Agree	Strongly agree		5	no
31	219y5a0407@ksrmce.ac.in	Ganjikunta Saritha	4th sem/ECE/C-section	219Y5A0407	Yes	Yes	Strongly agree	Agree	Strongly agree	5	4	nothing
32	209y1a04f3@ksrmce.ac.in	Vasantha Pallavi	4sem/ECE-C/s	209y1a04f3	Yes	Yes	agree	Agree	Strongly agree	5	5	Nothing
33	209y1a04d5@ksrmce.ac.in	S siva ruchitha	4 ece c	209y1a04d5	Yes	Yes	agree	Agree	Strongly agree	5	4	no
34	209y1a0125@ksrmce.ac.in	K.Harindranath	4/civil/A	209y1a0125	Yes	Yes	agree	Agree	Strongly agree	5	4	Nothing
35	219y5a0126@ksrmce.ac.in	Kamireddy jaipal reddy	4th sem / civil / C- section	219Y5A0126	Yes	Yes	agree	Agree	Strongly agree	5	4	Good
36	209y1a0128@ksrmce.ac.in	K. Esvar sai	4th civil A	209y1a0128	Yes	Yes	agree	Agree	Strongly agree	5	5	Good
37	219y5a0503@ksrmce.ac.in	Bathala Raja Rajeswari	IVth sem CSE-C	219Y5A0503	Yes	Yes	agree	Agree	Strongly agree	5	5	Good
38	219y5a0155@ksrmce.ac.in	Lalappa	4th sem in civil engineerin	219y5a0155	Yes	Yes	Strongly agree	Agree	Strongly agree	5	5	Good
39	219y5a0136@ksrmce.ac.in	Kuruva Bangaru veeresh	2-2/civil engineering/c_ se	219y5a0136	Yes	Yes	Strongly agree	Agree	Strongly agree	5	5	Good

40	219y5a0111@ksrmce.ac.in	CHALLA NAVEEN	4th sem/civil engineering	219y5a0111	Yes	Yes	Strongly agree	Agree	Strongly agree	5	5	Good
41	219y5a0117@ksrmce.ac.in	E. Guruteja	IV /civil/ B/S	219y5a0117	Yes	Yes	agree	Agree	Strongly agree	4	4	Good
42	219y5a0116@ksrmce.ac.in	D Hemanth kumar	4 sem , civil engineering.	219Y5A0116	Yes	Yes	agree	Agree	Strongly agree	4	5	Good
43	209y1a0434@ksrmce.ac.in	Sivapavani	4sem/ECE/A	209Y1A0434	Yes	Yes	agree	Agree	Strongly agree	4	5	Good
44	209y1a0168@ksrmce.ac.in	VINAY RAMTHU	4th sem/Civil/B/S	209y1a0168	Yes	Yes	agree	Agree	Strongly agree	3	5	Good
45	219y5a0110@ksrmce.ac.in	B Roopesh reddy	B section civil	219y5a0110	Yes	Yes	agree	Agree	Strongly agree	3	5	Nothing
46	219y5a0106@ksrmce.ac.in	B.Munivardhan	4th sem, civil (B)	219y5a0106	Yes	Yes	Strongly agree	Agree	Strongly agree	2	5	Nothing
47	219y5a0112@ksrmce.ac.in	C. Nikileswara	4/civil/b	219y5a0112	Yes	Yes	agree	Agree	Strongly agree	2	5	very good
48	209y1a0162@ksrmce.ac.in	Pattem kalpana	Civil-B-4 sem	209y1a0162	Yes	Yes	agree	Agree	Strongly agree	4	5	very good
49	209y1a04f5@ksrmce.ac.in	V.Swapna	4/ECE/C	209Y1A04F5	Yes	Yes	Strongly agree	Agree	Strongly agree	5	5	very good
50	209y1a0170@ksrmce.ac.in	Seelam sravanthi	Civil B section 4sem	209y1a0170	Yes	Yes	Strongly agree	Agree	Strongly agree	4	5	nothing
51	209y1a04f1@ksrmce.ac.in	Vaka Nandini	4th ECE-C section	209Y1A04F1	Yes	Yes	agree	Agree	Strongly agree	4	5	Good
52	219y5a0101@ksrmce.ac.in	Ajjugottu Rajitha	Civil B/ section 4 sem	219Y5A0101	Yes	Yes	agree	Agree	Strongly agree	4	5	Good
53	209y1a04f6@ksrmce.ac.in	VENEKE SNEHA LATHA RED	4th,ECE,C/S	209y1a04f6	Yes	Yes	agree	Agree	Strongly agree	4	5	Good
54	209y1a04f2@ksrmce.ac.in	Vangiti. Varshini	4th ,ECE/ C	209y1a04f2	Yes	Yes	agree	Agree	Strongly agree	4	5	Good

Riyaz Bony  
Coordinator

  
HOD

Dr. V. LOKESWARA

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

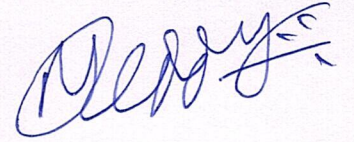


**K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**VALUE ADDED / CERTIFICATE COURSE ON**  
**PYTHON PROGRAMMING FROM 09/05/2022 TO 21/05/2022**  
**AWARD LIST**

S.No	Roll Number	Name of the Student	Marks Obtained
1	219Y5A0123	B. Parimala	13
2	209Y1A04F4	Botta.Kalyani	14
3	209Y1A0403	J. Nagamani	12
4	219Y5A0407	Peram Roja Reddy	16
5	209Y1A04F3	U.Poojitha	15
6	209Y1A04D5	V. Anusha	17
7	209Y1A0125	A Uday Kumar Reddy	18
8	219Y5A0126	M. Ranjith Kumar	15
9	209Y1A0128	Shaik Thakkalla Yunus	12
10	219Y5A0503	J.Vasu	10
11	219Y5A0155	V C Madhu Sai Venkat	11
12	219Y5A0136	A Samson	09
13	219Y5A0111	Ganjikunta Saritha	12
14	219Y5A0117	Vasantha Pallavi	15
15	219Y5A0116	S Siva Ruchitha	16
16	209Y1A0434	K.Harindranath	12
17	209Y1A0168	Kamireddy Jaipal Reddy	18
18	219Y5A0110	K. Eswar Sai	19
19	219Y5A0106	Bathala Raja Rajeswari	12
20	219Y5A0112	Lalappa	16
21	209Y1A0162	Kuruva Bangaru Veeresh	17
22	209Y1A04F5	Challa Naveen	13
23	209Y1A0170	E. Guruteja	15
24	209Y1A04F1	D Hemanth Kumar	14
25	219Y5A0101	Sivapavani	16
26	209Y1A04F6	Vinay Ramthu	12
27	209Y1A04F2	B Roopesh Reddy	14
28	219Y5A0123	B.Munivardhan	08
29	209Y1A04F4	C. Nikileswara	16
30	209Y1A0403	Pattem Kalpana	15
31	219Y5A0407	V.Swapna	14
32	209Y1A04F3	Seelam Sravanthi	17
33	209Y1A04D5	Vaka Nandini	15
34	209Y1A0125	Ajjugottu Rajitha	16
35	219Y5A0126	Veneke Sneha Latha Reddy	13
36	209Y1A0128	Vangiti. Varshini	15
37	219Y5A0503	B. Parimala	05
38	219Y5A0155	Botta.Kalyani	16
39	219Y5A0136	J. Nagamani	15
40	219Y5A0111	Peram Roja Reddy	17
41	219Y5A0117	U.Poojitha	18
42	219Y5A0116	V. Anusha	15

43	209Y1A0434	A Uday Kumar Reddy	14
44	209Y1A0168	M. Ranjith Kumar	15
45	219Y5A0110	Shaik Thakkalla Yunus	13
46	219Y5A0106	J.Vasu	15
47	219Y5A0112	V C Madhu Sai Venkat	14
48	209Y1A0162	A Samson	16
49	209Y1A04F5	Ganjikunta Saritha	17
50	209Y1A0170	Vasantha Pallavi	15
51	209Y1A04F1	S Siva Ruchitha	14
52	219Y5A0101	K.Harindranath	15
53	209Y1A04F6	Kamireddy Jaipal Reddy	14
54	209Y1A04F2	K. Eswar Sai	16

*Ryaz Bamy*  
Coordinator(s)



**HoD CSE**

**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**  
**PYTHON PROGRAMMING FROM 09/05/2022 TO 21/05/2022**  
**ASSESSMENT TEST**

Roll Number: \_\_\_\_\_ Name of the Student: \_\_\_\_\_

**Time: 20 Min** **(Objective Questions)** **Max.Marks:20**

Note: Answer the following Questions and each question carries **one** mark.

1. **Python is a \_\_\_object-oriented programming language.** [     ]  
A. Special purpose     B. General purpose  
C. Medium level programming language     D.All of the mentioned above
2. **Amongst the following, who is the developer of Python programming?** [     ]  
A. Guido van Rossum     B. Denis Ritchie     C. Y.C. Khenderakar     D. None
3. **Amongst which of the following is / are the application areas of Python programming?** [     ]  
A. Web Development     B. Game Development  
B. Artificial Intelligence and Machine Learning     D. All of the mentioned above
4. **Amongst which of the following is / are the Numeric Types of Data Types?** [     ]  
A. int     B. float     C. complex     D. All of the mentioned above
5. **list, tuple, and range are the \_\_\_ of Data Types.** [     ]  
A. Sequence Types     B. Binary Types     C. Boolean Types     D. None
6. **Float type of data type is represented by the float class.** [     ]  
A. True     B. False
7. **bytes, bytearray, memoryview are type of the \_\_\_ data type.** [     ]  
A. Mapping Type     B. Boolean Type     C. Binary Types     D. None
8. **The type() function can be used to get the data type of any object.** [     ]  
A. True     B. False
9. **Binary data type is a fixed-width string of length bytes?** [     ]  
A. True     B. False
10. **Varbinary data type returns variable-width string up to a length of max-length bytes?** [     ]  
A. TRUE     B. FALSE
11. **Amongst which of the following is / are the logical operators in Python?** [     ]  
A. and     B. or     C. not     D. All of the mentioned above
12. **Is Python supports exception handling?** [     ]  
A. Yes     B. No

13. What is the name of the operator \*\* in Python? [   ]  
A. Exponentiation      B. Modulus      C. Floor division      D. None of the mentioned above

14. The % operator returns the \_\_\_\_\_. [   ]  
A. Quotient      B. Divisor      C. Remainder      D. None of the mentioned above

15. Amongst which of the following is / are the method of list? [   ]  
A. append()      B. extend()      C. insert()      D. All of the mentioned above

16. The list.pop ([i]) removes the item at the given position in the list? [   ]  
A. True      B. False

17. The list.index(x[, start[, end]]) is used to \_\_\_\_\_. [   ]  
A. Return zero-based index in the list      B. Raises a ValueError if there is no such item  
C. Both A and B      D. None of the mentioned above

18. Python Dictionary is used to store the data in a \_\_\_\_ format. [   ]  
A. Key value pair      B. Group value pair      C. Select value pair      D. None

19. The following is used to define a \_\_\_\_\_. [   ]

```
d = {  
    <key>: <value>,  
    <key>: <value>,  
    .  
    .  
    .  
    <key>: <value>  
}
```

A. Group      B. List      C. Dictionary      D. All of the mentioned above

20. Python Literals is used to define the data that is given in a variable or constant? [   ]  
A. True      B. False

15/20 gm

**K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA-516003**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**VALUE ADDED /CERTIFICATE COURSE ON**  
**PYTHON PROGRAMMING FROM 09/05/2022 TO 21/05/2022**  
**ASSESSMENT TEST**

Roll Number: 20944A04F3 Name of the Student: J. Pojitha

**Time: 20 Min**

**(Objective Questions)**

**Max.Marks:20**

Note: Answer the following Questions and each question carries **one** mark.

1. Python is a     object-oriented programming language. [ B ] ✓  
A. Special purpose      B. General purpose  
C. Medium level programming language      D. All of the mentioned above
2. Amongst the following, who is the developer of Python programming? [ A ] ✓  
A. Guido van Rossum      B. Denis Ritchie      C. Y.C. Khenderakar      D. None
3. Amongst which of the following is / are the application areas of Python programming? [ D ] ✓  
A. Web Development      B. Game Development  
C. Artificial Intelligence and Machine Learning      D. All of the mentioned above
4. Amongst which of the following is / are the Numeric Types of Data Types? [ D ] ✓  
A. int      B. float      C. complex      D. All of the mentioned above
5. list, tuple, and range are the     of Data Types. [ A ] ✓  
A. Sequence Types      B. Binary Types      C. Boolean Types      D. None
6. Float type of data type is represented by the float class. [ A ] ✓  
A. True      B. False
7. bytes, bytearray, memoryview are type of the     data type. [ C ] ✓  
A. Mapping Type      B. Boolean Type      C. Binary Types      D. None
8. The type() function can be used to get the data type of any object. [ D ] ✓  
A. True      B. False
9. Binary data type is a fixed-width string of length bytes? [ A ] ✓  
A. True      B. False
10. Varbinary data type returns variable-width string up to a length of max-length bytes? [ C ] ✓  
A. TRUE      B. FALSE
11. Amongst which of the following is / are the logical operators in Python? [ D ] ✓  
A. and      B. or      C. not      D. All of the mentioned above
12. Is Python supports exception handling? [ B ] ✓  
A. Yes      B. No

13. What is the name of the operator \*\* in Python? [ A ] ✓  
A. Exponentiation      B. Modulus      C. Floor division      D. None of the mentioned above

14. The % operator returns the \_\_\_\_\_. [ D ] ✓  
A. Quotient      B. Divisor      C. Remainder      D. None of the mentioned above

15. Amongst which of the following is / are the method of list? [ D ] ✓  
A. append()      B. extend()      C. insert()      D. All of the mentioned above

16. The list.pop ([i]) removes the item at the given position in the list? [ D ] ✓  
A. True      B. False

17. The list.index(x[, start[, end]]) is used to \_\_\_\_\_. [ C ] ✓  
A. Return zero-based index in the list      B. Raises a ValueError if there is no such item  
C. Both A and B      D. None of the mentioned above

18. Python Dictionary is used to store the data in a \_\_\_\_ format. [ A ] ✓  
A. Key value pair      B. Group value pair      C. Select value pair      D. None

19. The following is used to define a \_\_\_\_\_. [ C ] ✓

```
d = {  
    <key>: <value>,  
    <key>: <value>,  
    .  
    .  
    .  
    <key>: <value>  
}
```

A. Group      B. List      C. Dictionary      D. All of the mentioned above

20. Python Literals is used to define the data that is given in a variable or constant? [ A ] ✓  
A. True      B. False

14/20 gm

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**VALUE ADDED /CERTIFICATE COURSE ON**  
**PYTHON PROGRAMMING FROM 09/05/2022 TO 21/05/2022**  
**ASSESSMENT TEST**

Roll Number: 20941A04F6 Name of the Student: K. Jaipal Reddy

**Time: 20 Min** (Objective Questions) **Max.Marks:20**

Note: Answer the following Questions and each question carries one mark.

1. Python is a    object-oriented programming language. [ B ]  
A. Special purpose      B. General purpose  
C. Medium level programming language      D. All of the mentioned above
2. Amongst the following, who is the developer of Python programming? [ A ]  
A. Guido van Rossum      B. Denis Ritchie      C. Y.C. Khenderakar      D. None
3. Amongst which of the following is / are the application areas of Python programming? [ C ]  
A. Web Development      B. Game Development  
B. Artificial Intelligence and Machine Learning      D. All of the mentioned above
4. Amongst which of the following is / are the Numeric Types of Data Types? [ C ]  
A. int      B. float      C. complex      D. All of the mentioned above
5. list, tuple, and range are the    of Data Types. [ A ]  
A. Sequence Types      B. Binary Types      C. Boolean Types      D. None
6. Float type of data type is represented by the float class. [ A ]  
A. True      B. False
7. bytes, bytearray, memoryview are type of the    data type. [ C ]  
A. Mapping Type      B. Boolean Type      C. Binary Types      D. None
8. The type() function can be used to get the data type of any object. [ A ]  
A. True      B. False
9. Binary data type is a fixed-width string of length bytes? [ A ]  
A. True      B. False
10. Varbinary data type returns variable-width string up to a length of max-length bytes? [ C ]  
A. TRUE      B. FALSE
11. Amongst which of the following is / are the logical operators in Python? [ D ]  
A. and      B. or      C. not      D. All of the mentioned above
12. Is Python supports exception handling? [ B ]  
A. Yes      B. No

13. What is the name of the operator \*\* in Python? [ A ] ✓  
A. Exponentiation      B. Modulus      C. Floor division      D. None of the mentioned above

14. The % operator returns the \_\_\_\_\_. [ D ] ✓  
A. Quotient      B. Divisor      C. Remainder      D. None of the mentioned above

15. Amongst which of the following is / are the method of list? [ D ] ✓  
A. append()      B. extend()      C. insert()      D. All of the mentioned above

16. The list.pop ([i]) removes the item at the given position in the list? [ D ] ✓  
A. True      B. False

17. The list.index(x[, start[, end]]) is used to \_\_\_\_\_. [ C ] ✓  
A. Return zero-based index in the list      B. Raises a ValueError if there is no such item  
C. Both A and B      D. None of the mentioned above

18. Python Dictionary is used to store the data in a \_\_\_\_ format. [ A ] ✓  
A. Key value pair      B. Group value pair      C. Select value pair      D. None

19. The following is used to define a \_\_\_\_\_. [ C ] ✓

```
d = {  
    <key>: <value>,  
    <key>: <value>,  
    .  
    .  
    .  
    <key>: <value>  
}
```

A. Group      B. List      C. Dictionary      D. All of the mentioned above

20. Python Literals is used to define the data that is given in a variable or constant? [ A ] ✓  
A. True      B. False



13/20/2022

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**PYTHON PROGRAMMING FROM 09/05/2022 TO 21/05/2022**  
**ASSESSMENT TEST**

Roll Number: 20941A04F5 Name of the Student: C. NAVEEN

**Time: 20 Min** (Objective Questions) **Max.Marks:20**

Note: Answer the following Questions and each question carries **one** mark.

1. Python is a    object-oriented programming language. [ B. ] ✓  
A. Special purpose      B. General purpose  
C. Medium level programming language      D. All of the mentioned above
2. Amongst the following, who is the developer of Python programming? [ A. ] ✓  
A. Guido van Rossum      B. Denis Ritchie      C. Y.C. Khenderakar      D. None
3. Amongst which of the following is / are the application areas of Python programming? [ D. ] ✓  
A. Web Development      B. Game Development  
B. Artificial Intelligence and Machine Learning      D. All of the mentioned above
4. Amongst which of the following is / are the Numeric Types of Data Types? [ D. ] ✓  
A. int      B. float      C. complex      D. All of the mentioned above
5. list, tuple, and range are the    of Data Types. [ D. ]  
A. Sequence Types      B. Binary Types      C. Boolean Types      D. None
6. Float type of data type is represented by the float class. [ B. ]  
A. True      B. False
7. bytes, bytearray, memoryview are type of the    data type. [ C. ] ✓  
A. Mapping Type      B. Boolean Type      C. Binary Types      D. None
8. The type() function can be used to get the data type of any object. [ A. ] ✓  
A. True      B. False
9. Binary data type is a fixed-width string of length bytes? [ A. ] ✓  
A. True      B. False
10. Varbinary data type returns variable-width string up to a length of max-length bytes? [ B. ]  
A. TRUE      B. FALSE
11. Amongst which of the following is / are the logical operators in Python? [ C. ]  
A. and      B. or      C. not      D. All of the mentioned above
12. Is Python supports exception handling? [ C. ]  
A. Yes      B. No

13. What is the name of the operator \*\* in Python? [ A. ] ✓  
A. Exponentiation    B. Modulus    C. Floor division    D. None of the mentioned above

14. The % operator returns the \_\_\_\_\_. [ B. ]  
A. Quotient    B. Divisor    C. Remainder    D. None of the mentioned above

15. Amongst which of the following is / are the method of list? [ D. ] ✓  
A. append()    B. extend()    C. insert()    D. All of the mentioned above

16. The list.pop ([i]) removes the item at the given position in the list? [ A. ] ✓  
A. True    B. False

17. The list.index(x[, start[, end]]) is used to \_\_\_\_\_. [ C. ] ✓  
A. Return zero-based index in the list    B. Raises a ValueError if there is no such item  
C. Both A and B    D. None of the mentioned above

18. Python Dictionary is used to store the data in a \_\_\_\_ format. [ B. ]  
A. Key value pair    B. Group value pair    C. Select value pair    D. None

19. The following is used to define a \_\_\_\_\_. [ C. ] ✓

```
d = {  
    <key>: <value>,  
    <key>: <value>,  
    .  
    .  
    .  
    <key>: <value>  
}
```

A. Group    B. List    C. Dictionary    D. All of the mentioned above

20. Python Literals is used to define the data that is given in a variable or constant? [ A. ] ✓  
A. True    B. False

16/20  
32

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**ASSESSMENT TEST**

Roll Number: 219Y5A0155 Name of the Student: B. Kalyani

**Time: 20 Min** (Objective Questions) **Max.Marks:20**

Note: Answer the following Questions and each question carries **one** mark.

1. Python is a object-oriented programming language. [ B ] ✓  
A. Special purpose      B. General purpose  
C. Medium level programming language      D. All of the mentioned above
2. Amongst the following, who is the developer of Python programming? [ A ] ✓  
A. Guido van Rossum      B. Denis Ritchie      C. Y.C. Khenderakar      D. None
3. Amongst which of the following is / are the application areas of Python programming? [ C ] ✓  
A. Web Development      B. Game Development  
C. Artificial Intelligence and Machine Learning      D. All of the mentioned above
4. Amongst which of the following is / are the Numeric Types of Data Types? [ D ] ✓  
A. int      B. float      C. complex      D. All of the mentioned above
5. list, tuple, and range are the of Data Types. [ B ] ✓  
A. Sequence Types      B. Binary Types      C. Boolean Types      D. None
6. Float type of data type is represented by the float class. [ A ] ✓  
A. True      B. False
7. bytes, bytearray, memoryview are type of the data type. [ C ] ✓  
A. Mapping Type      B. Boolean Type      C. Binary Types      D. None
8. The type() function can be used to get the data type of any object. [ A ] ✓  
A. True      B. False
9. Binary data type is a fixed-width string of length bytes? [ A ] ✓  
A. True      B. False
10. Varbinary data type returns variable-width string up to a length of max-length bytes? [ B ] ✓  
A. TRUE      B. FALSE
11. Amongst which of the following is / are the logical operators in Python? [ D ] ✓  
A. and      B. or      C. not      D. All of the mentioned above
12. Is Python supports exception handling? [ A ] ✓  
A. Yes      B. No

13. What is the name of the operator \*\* in Python? [ D ]  
A. Exponentiation      B. Modulus      C. Floor division      D. None of the mentioned above

14. The % operator returns the \_\_\_\_\_. [ C ] ✓  
A. Quotient      B. Divisor      C. Remainder      D. None of the mentioned above

15. Amongst which of the following is / are the method of list? [ D ] ✓  
A. append()      B. extend()      C. insert()      D. All of the mentioned above

16. The list.pop ([i]) removes the item at the given position in the list? [ A ] ✓  
A. True      B. False

17. The list.index(x[, start[, end]]) is used to \_\_\_\_\_. [ C ] ✓  
A. Return zero-based index in the list      B. Raises a ValueError if there is no such item  
C. Both A and B      D. None of the mentioned above

18. Python Dictionary is used to store the data in a \_\_\_\_ format. [ A ] ✓  
A. Key value pair      B. Group value pair      C. Select value pair      D. None

19. The following is used to define a \_\_\_\_\_. [ C ] ✓

```
d = {  
    <key>: <value>,  
    <key>: <value>,  
    .  
    .  
    <key>: <value>  
}
```

A. Group      B. List      C. Dictionary      D. All of the mentioned above

20. Python Literals is used to define the data that is given in a variable or constant? [ A ] ✓  
A. True      B. False

15/20  
8/3

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**ASSESSMENT TEST**

Roll Number: 21945A0116 Name of the Student: V. Anusha

**Time: 20 Min** (Objective Questions) **Max.Marks:20**

Note: Answer the following Questions and each question carries one mark.

1. Python is a object-oriented programming language. [ B ] ✓  
A. Special purpose      B. General purpose  
C. Medium level programming language      D. All of the mentioned above
2. Amongst the following, who is the developer of Python programming? [ A ] ✓  
A. Guido van Rossum      B. Denis Ritchie      C. Y.C. Khenderakar      D. None
3. Amongst which of the following is / are the application areas of Python programming? [ D ] ✓  
A. Web Development      B. Game Development  
C. Artificial Intelligence and Machine Learning      D. All of the mentioned above
4. Amongst which of the following is / are the Numeric Types of Data Types? [ C ]  
A. int      B. float      C. complex      D. All of the mentioned above
5. list, tuple, and range are the Sequence Types of Data Types. [ A ] ✓  
A. Sequence Types      B. Binary Types      C. Boolean Types      D. None
6. Float type of data type is represented by the float class. [ A ] ✓  
A. True      B. False
7. bytes, bytearray, memoryview are type of the Binary Types data type. [ C ] ✓  
A. Mapping Type      B. Boolean Type      C. Binary Types      D. None
8. The type() function can be used to get the data type of any object. [ D ]  
A. True      B. False
9. Binary data type is a fixed-width string of length bytes? [ A ] ✓  
A. True      B. False
10. Varbinary data type returns variable-width string up to a length of max-length bytes? [ C ]  
A. TRUE      B. FALSE
11. Amongst which of the following is / are the logical operators in Python? [ D ] ✓  
A. and      B. or      C. not      D. All of the mentioned above
12. Is Python supports exception handling? [ B ]  
A. Yes      B. No

13. What is the name of the operator \*\* in Python? [ A ] ✓  
A. Exponentiation      B. Modulus      C. Floor division      D. None of the mentioned above

14. The % operator returns the \_\_\_\_\_. [ D ]  
A. Quotient      B. Divisor      C. Remainder      D. None of the mentioned above

15. Amongst which of the following is / are the method of list? [ D ] ✓  
A. append()      B. extend()      C. insert()      D. All of the mentioned above

16. The list.pop ([i]) removes the item at the given position in the list? [ D ]  
A. True      B. False

17. The list.index(x[, start[, end]]) is used to \_\_\_\_\_. [ C ] ✓  
A. Return zero-based index in the list      B. Raises a ValueError if there is no such item  
C. Both A and B      D. None of the mentioned above

18. Python Dictionary is used to store the data in a \_\_\_\_ format. [ D ] ✓  
A. Key value pair      B. Group value pair      C. Select value pair      D. None

19. The following is used to define a \_\_\_\_\_. [ C ] ✓

```
d = {  
    <key>: <value>,  
    <key>: <value>,  
    .  
    .  
    .  
    <key>: <value>  
}
```

A. Group      B. List      C. Dictionary      D. All of the mentioned above

20. Python Literals is used to define the data that is given in a variable or constant? [ A ] ✓  
A. True      B. False

## Top 10 Advance Python Concepts That You Must Know

### 1. Python map() function

**map()** function returns a map object(which is an iterator) of the results after applying the given function to each item of a given iterable (list, tuple etc.)

**Syntax :**

```
map(fun, iter)
```

**Parameters :**

*fun* : It is a function to which map passes each element of given iterable.

*iter* : It is a iterable which is to be mapped.

**NOTE :** You can pass one or more iterable to the map() function.

**Returns :**

Returns a list of the results after applying the given function to each item of a given iterable (list, tuple etc.)

**NOTE :** The returned value from map() (map object) then can be passed to functions like list() (to create a list), set() (to create a set) .

**CODE 1**

```
# Python program to demonstrate working# of map.# Return
double of n

def addition(n):

    return n + n

# We double all numbers using map()

numbers = (1, 2, 3, 4)

result = map(addition, numbers)

print(list(result))
```

Output :

```
[2, 4, 6, 8]
```

**CODE 2**

We can also use lambda expressions with map to achieve above result.

```
# Double all numbers using map and lambda

numbers = (1, 2, 3, 4)
```

```
result = map(lambda x: x + x, numbers)
print(list(result))
```

Output:

```
[2, 4, 6, 8]
```

### CODE 3

```
# Add two lists using map and lambda
```

```
numbers1 = [1, 2, 3]
```

```
numbers2 = [4, 5, 6]
```

```
result = map(lambda x, y: x + y, numbers1, numbers2)
```

```
print(list(result))
```

Output:

```
[5, 7, 9]
```

### CODE 4

```
# List of strings
```

```
l = ['sat', 'bat', 'cat', 'mat']
```

```
# map() can listify the list of strings individually
```

```
test = list(map(list, l))
```

```
print(test)
```

Output:

```
[['s', 'a', 't'], ['b', 'a', 't'], ['c', 'a', 't'], ['m', 'a', 't']]
```



## Python Itertools

```
# Python program to demonstrate
# iterator module

import operator

import time

# Defining lists

L1 = [1, 2, 3]

L2 = [2, 3, 4]

# Starting time before map

# function

t1 = time.time()

# Calculating result

a, b, c = map(operator.mul, L1, L2)

# Ending time after map

# function

t2 = time.time()

# Time taken by map function

print("Result:", a, b, c)

print("Time taken by map function: %.6f" %(t2 - t1))

# Starting time before naive

# method
```

```

t1 = time.time()

# Calculating result using for loop

print("Result:", end = " ")

for i in range(3):

    print(L1[i] * L2[i], end = " ")

# Ending time after naive
# method

t2 = time.time()

print("\nTime taken by for loop: %.6f" %(t2 - t1))

```

#### Output:

Result: 2 6 12

Time taken by map function: 0.000005

Result: 2 6 12

Time taken by for loop: 0.000014

In the above example, it can be seen that the time taken by the map function is approximately half than the time taken by for loop. This shows that itertools are fast, memory-efficient tools.

#### Different types of iterators provided by this module are:

- Infinite iterators
- Combinatoric iterators
- Terminating iterators

### Infinite iterators

Iterator in Python is any Python type that can be used with a 'for in loop'. Python lists, tuples, dictionaries, and sets are all examples of inbuilt iterators. But it is not necessary that an iterator object has to exhaust, sometimes it can be infinite. Such types of iterators are known as **Infinite iterators**.

Python provides three types of infinite iterators:

- **count(start, step):** This iterator **starts printing from the "start" number and prints infinitely**. If steps are mentioned, the numbers are skipped else step is 1 by default. See the below example for its use with for in loop.

**Example:**

## Python3

```
# Python program to demonstrate
# infinite iterators

import itertools

# for in loop

for i in itertools.count(5, 5):

    if i == 35:
        break

    else:

        print(i, end = " ")
```

### Output:

5 10 15 20 25 30

- **cycle(iterable):** This iterator prints all values in order from the passed container. It restarts printing from the beginning again when all elements are printed in a cyclic manner.

Example 1:

## Python3

```
# Python program to demonstrate
# infinite iterators

import itertools

count = 0

# for in loop

for i in itertools.cycle('AB'):

    if count > 7:
        break
```