

Icon TechSoft Pvt. Ltd. – Python

Instructions

Please write your answers into the boxes provided.

There is no time limit, but we would expect that the test would take less than 1 hour to complete.

Good luck!

Name:	
Total Experience:	
Current Location:	
Date:	
Time Start:	
Time End:	
Location:	
Your Mobile No:	
Your Home No1:	

1. Tell Me Something About Yourself?

2. What are your strengths/weaknesses?

3. Why do u want to come in this field?

4. Why we hire you?

5. Why do you want to join us?

6. How long would you work here?

7. Why did you leave your last role? (Experience)

8. A Software engineer has the capability of thinking 100 lines of code in five minutes and can type 100 lines of code in 10 minutes. He takes a break for five minutes after every ten minutes. How many lines of code will he complete typing after an hour?

Mark correct answer

- a) 250
- b) 220
- c) 150
- d) 200

9. A monkey starts climbing up a tree 20ft. Tall. Each hour, it hops 3ft. and slips back 2ft. How much time would it take monkey to reach the top?

Mark correct answer

- a) 21 Hours
- b) 12 Hours
- c) 18 Hours
- d) 15 Hours

10. Which one of the following is not a prime number?

Mark correct answer

- a) 31
- b) 61
- c) 71
- d) 91

11. What is the difference between list and tuple? Mention syntax for list and tuples.

12. What is csv and pandas in python?

13. What are python modules give some example of built in python modules

14. What is type conversion in Python?

15. Do we need to declare variables with data types in Python?

16. How do you write comments in python?

17. What is lambda function in python give an example?

18. Write a command to print current date and time

19. What is dictionary in python and how do you get keys, values of it?

20. Which of the following is an invalid statement?

- a) `xyz = 6,000,000`
- b) `x y z = 5000 2400 3300`
- c) `x,y,z = 100, 200, 300`
- d) `x_y_z = 1,000,000`

21. Write a python code to get date 6 months from the current date

22. Convert given string into a datetime object

`dt_string = "18/10/2022 09:15:32 AM"`

23. What is the output of below:

```
a = ["red","yellow","blue","marron","green"]  
print (a[3:])
```

24. Write a Python program to generate a Star triangle with output. (n=6)

25. Write a Python Program to find largest element in an array

M = [15, 324, 330, 6666, 42]