

Sample Questions for Python Test

Q1. How many local and global variables are there in the following Python code?

```
var1=5  
def fn():  
    var1=2  
    var2=var1+5  
    var1=10  
fn()
```

- A. 1 local, 1 global variables
- B. 1 local, 2 global variables
- C. 2 local, 1 global variables
- D. 2 local, 2 global variables

Q2. Which one is false regarding local variables?

- A. These can be accessed only inside owning function
- B. Any changes made to local variables does not reflect outside the function.
- C. These remain in memory till the program ends
- D. None of the above

Q3. Which of the following options will give an error if set1={2,3,4,5}?

- A. print(set1[0])
- B. set1[0]=9
- C. set1=set1+{7}
- D. All of the above

Q4. What will be the result of below Python code?

```
set1= {1,2,3}  
set1.add (4)  
set1.add (4)  
print(set1)
```

- A. {1,2,3,4}
- B. {1,2,3}
- C. {1,2,3,4,4}
- D. It will throw an error as same element is added twice

Q5. Which of the following is used to define a block of code in Python language?

- a) Indentation
- b) Key
- c) Brackets
- d) All of the mentioned

Q6. What is the order of namespaces in which Python looks for an identifier?

- a) Python first searches the built-in namespace, then the global namespace and finally the local namespace
- b) Python first searches the built-in namespace, then the local namespace and finally the global namespace
- c) Python first searches the local namespace, then the global namespace and finally the built-in namespace
- d) Python first searches the global namespace, then the local namespace and finally the built-in namespace

Q7. Which one of the following is not a keyword in Python language?

- a) pass
- b) eval
- c) assert
- d) nonlocal

Q8. Which module in the python standard library parses options received from the command line?

- a) getarg
- b) getopt
- c) main
- d) os

Q9. Which of the following statements is used to create an empty set in Python?

- a) ()
- b) []
- c) { }
- d) set()

Q10. Which of the following is a Python tuple?

- a) {1, 2, 3}
- b) {}
- c) [1, 2, 3]
- d) (1, 2, 3)

Q11. The process of pickling in Python includes _____

- a) conversion of a Python object hierarchy into byte stream
- b) conversion of a datatable into a list
- c) conversion of a byte stream into Python object hierarchy
- d) conversion of a list into a datatable

12. The process of pickling in Python includes _____

- a) conversion of a Python object hierarchy into byte stream
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- c) conversion of a byte stream into Python object hierarchy
- d) conversion of a list into a data table

13. What is the return type of func\on id?

- a) int
- b) float
- c) bool
- d) dict

14. Which one of the following has the highest precedence in the expression?

- a) Exponential
- b) Addition
- c) Multiplication
- d) Parentheses

15. Which one of the following has the same precedence level?

- a) Addition and Subtraction
- b) Multiplication, Division and Addition
- c) Multiplication, Division, Addition and Subtraction
- d) Addition and Multiplication

16. Which of the following functions is a built-in function in python?

- a) seed()
- b) sqrt()
- c) factorial()
- d) print ()

17. Suppose $d = \{"john":40, "peter":45\}$, to delete the entry for "john" what command do we use?

- a) d.delete("john":40)
- b) d.delete("john")
- c) del d["john"]
- d) del d("john":40)

18. Suppose $d = \{"john":40, "peter":45\}$. To obtain the number of entries in dictionary which command do we use?

- a) d. size()
- b) len(d)
- c) size(d)
- d) d. len()

19. All the keywords in Python are in _

- a. Lower case
- b. Upper case
- c. Capitalized
- d. None of the above

20. What is the function of pickling in python?

- a. Conversion of a python object
- b. Conversion of database into list
- c. Conversion of byte stream into python object hierarchy
- d. Conversion of list into database

21. What will be the output of below Python code?

```
tupl=[2,3],"abc",0,9)
```

```
tupl [0][1]=1
```

```
print(tupl)
```

A. ([2,3],"abc",0,9)

B. ([1,3],"abc",0,9)

C. ([2,1],"abc",0,9)

D. Error

22. What will be the output of the following Python code?

```
def fn(var1):
```

```
var1.pop(1)
```

```
var1=[1,2,3]
```

```
fn(var1)
```

```
print(var1)
```

A. [1,2,3]

B. [1,3]

C. [2,3]

D. [1,2]

23. def funcJon1(var1):

```
    var1=var1+10
```

```
    print(var1)
```

```
    var1=12
```

```
    funcJon1(var1)
```

```
    print(var1)
```

A. None

B. 12

12

C. 22

22

D. 12

22

24. What will be the output of the following Python code?

```
def function1(var1=5, var2=7):
```

```
    var2=9  
    var1=3  
    print(var1, " ", var2)  
    funcJon1(10,12)
```

- A. 5 7
- B. 3 9
- C. 10 12
- D. Error

25. Which of the following is not used as loop in Python?

- A. for loop
- B. while loop
- C. do-while loop
- D. None of the above

26. What will be the output of given Python code?

```
n=7
```

```
c=0
```

```
while(n):  
    if(n>5):  
        c=c+n-1  
        n=n-1  
    else:  
        break  
    print(n)  
print(c)
```

- A. 5 11
- B. 5 9
- C. 7 11
- D. 5 2

27. What will be the output of the following Python code?

```
for i in range(0,2,-1):
```

```
    print("Hello")
```

- A. Hello
- B. Hello Hello

- C. No Output
- D. Error

28. Can we write if/else into one line in python?

- A. Yes
- B. No
- C. if/else not used in python
- D. None of the above

29. What will be output of this expression:

'p' + 'q' if '12'.isdigit() else 'r' + 's'

- A. pq
- B. rs
- C. pqr
- D. pq12

30. When does the else statement written after executes?

- A. When break statement is executed in the loop
- B. When loop condition becomes false
- C. Else statement is always executed
- D. None of the above

31. If the else statement is used with a while loop, the else statement is executed when the condition becomes _____.

- A. TRUE
- B. FALSE
- C. Infinite
- D. Null

32. The _____ statement is a null operation.

- A. break
- B. exit
- C. return
- D. pass

33. The continue statement can be used in?

- A. while loop
- B. for loop
- C. do-while
- D. Both A and B

34. Which of the following sequences would be generated by the given line of code?

range(5, 0, -2)

- A. 5 4 3 2 1 0 -1
- B. 5 4 3 2 1 0
- C. 5 3 1
- D. None of the above

35. What will be the output of the following Python code?

```
list1 = [3 , 2 , 5 , 6 , 0 , 7, 9]
sum = 0
sum1 = 0
for elem in list1:
    if (elem % 2 == 0):
        sum = sum + elem
        continue
    if (elem % 3 == 0):
        sum1 = sum1 + elem
print(sum , end=" ")
print(sum1)
A. 8 9
B. 8 3
C. 2 3
D. 8 12
```

36. In python, what is method inside class?

- A. attribute
- B. object
- C. argument
- D. function

37. Which one of the following is correct?

- A. In python, a dicRonary can have two same keys with different values.
- B. In python, a dicRonary can have two same values with different keys
- C. In python, a dicRonary can have two same keys or same values but cannot have two same key-value pair
- D. In python, a dicRonary can neither have two same keys nor two same values.

38. What will be the following Python code?

```
dict1={"a":10,"b":2,"c":3}
str1=""
for i in dict1:
    str1=str1+str(dict1[i])+" "
    str2=str1[:-1]
print(str2[::-1])
```

- A. 3, 2
- B. 3, 2, 10
- C. 3, 2, 01
- D. Error

39. Evaluate the following keeping Python's precedence of operators.

```
a=2
b=4
c=5
d=4
print(a+b+c)
print(a+b*c+d)
print(a/b+c/d)
print(a+b*c+a/b+d)
```

40. What does pip mean in Python?

- 1. Unlimited length
- 2. All private members must have leading and trailing underscores
- 3. Preferred Installer Program
- 4. None of the above

41. Which of the following is a feature of Python Docstring?

- 1. All functions should have a docstring in python
- 2. Docstrings can be accessed by the `_doc_` attribute on objects
- 3. This feature provides a very convenient way of associating documentation with python modules, functions, classes and methods
- 4. All of the above

42. list, tuple, and range are the ____ of Data Types.

- A. Sequence Types
- B. Binary Types
- C. Boolean Types
- D. None of the mentioned above

43. A text file contains only textual information consisting of ____.

- A. Alphabets
- B. Numbers
- C. Special symbols
- D. All of the mentioned above

44. Amongst which of the following is / are the method used to unpickling data from a binary file?

- A. `load()`
- B. `set()` method
- C. `dump()` method
- D. None of the mentioned above

45. Amongst which of the following is / are true about the while loop?

- A. It continually executes the statements as long as the given condition is true
- B. It first checks the condition and then jumps into the instructions
- C. The loop stops running when the condition becomes fail, and control will move to the next line of code.
- D. All of the mentioned above