

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. pqrs
- 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 dictionary can have two same keys with different values.
- B. In python, a dictionary can have two same values with different keys
- C. In python, a dictionary can have two same keys or same values but cannot have two same key-value pair
- D. In python, a dictionary 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