Python Programming Multiple Choice Question -  
Conditionals And Loops

1. Which of the following is not used as loop in Python? [ C ]

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

2. Which of the following is False regarding loops in Python? [ B ]

A. Loops are used to perform certain tasks repeatedly.  
B. While loop is used when multiple statements are to executed repeatedly until the given condition becomes False  
C. While loop is used when multiple statements are to executed repeatedly until the given condition becomes True.  
D. for loop can be used to iterate through the elements of lists.

3. Which of the following is True regarding loops in Python? [ C ]

A. Loops should be ended with keyword "end".  
B. No loop can be used to iterate through the elements of strings.  
C. Keyword "break" can be used to bring control out of the current loop.  
D. Keyword "continue" is used to continue with the remaining statements inside the loop.

4. How many times will the loop run? [ A ]

i=2

while(i>0):

i=i-1

A. 2  
B. 3  
C. 1  
D. 0

5. What will be the output of the following Python code? [ D ]

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

6. Which one of the following is a valid Python if statement : [ A ]

A. if a>=2 :  
B. if (a >= 2)  
C. if (a => 22)  
D. if a >= 22

7. What keyword would you use to add an alternative condition to an if statement? [ C ]

A. else if  
B. elseif  
C. elif  
D. None of the above

8. Can we write if/else into one line in python? [ A ]

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

9. In a Python program, a control structure: [ B ]

A. Defines program-specific data structures  
B. Directs the order of execution of the statements in the program  
C. Dictates what happens before the program starts and after it terminates  
D. None of the above

10. What will be output of this expression: [ A ]

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

A. pq  
B. rs  
C. pqrs  
D. pq12

11. Which statement will check if a is equal to b? [ B ]

A. if a = b:  
B. if a == b:  
C. if a === c:  
D. if a == b

12. Does python have switch case statement? [ B ]

A. True  
B. False  
C. Python has switch statement but we can not use it.  
D. None of the above

13. What will be the output of given Python code? [ A ]

n=7

c=0

while(n):

if(n>5):

c=c+n-1

n=n-1

else:

break

print(n)

print(c)

A. 2  
B. 6 5 2  
C. 3  
D. 5 2

14. What will be the output of given Python code? [ D ]

str1="hello"

c=0

for x in str1:

if(x!="l"):

c=c+1

else:

pass

print(c)

A. 2  
B. 0  
C. 4  
D. 3

15. Which of the following Python code will give different output from the others? [ C ]

A. for i in range(0,5):  
    print(i)  
B. for j in [0,1,2,3,4]:  
    print(j)  
C. for k in [0,1,2,3,4,5]:  
    print(k)  
D. for l in range(0,5,1):  
    print(l)

16. What will be the output of the following Python code? [ B] ]

str1="learn python"

str2=""

str3=""

for x in str1:

if(x=="r" or x=="n" or x=="p"):

str2+=x

pass

if(x=="r" or x=="e" or x=="a"):

str3+=x

print(str2,end=" ")

print(str3)

A. rnpn ea  
B. rnpn ear  
C. rnp ea  
D. rnp ear

17. What will be the output of the following Python code? [ C ]

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

print("Hello")

A. Hello  
B. Hello Hello  
C. No Output  
D. Error

18. Which of the following is a valid for loop in Python? [ B ]

A. for(i=0; i < n; i++)  
B. for i in range(0,5):  
C. for i in range(0,5)  
D. for i in range(5)

19. Which of the following sequences would be generated bt the given line of code? [ C ]

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

20. A while loop in Python is used for what type of iteration? [ A ]

A. indefinite  
B. discriminant  
C. definite  
D. indeterminate

21. When does the else statement written after loop executes? [ B ]

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

22. What will be the output of the following code? [ D ]

x = "abcdef"

i = "i"

while i in x:

print(i, end=" ")

A. a b c d e f  
B. abcdef  
C. i i i i i.....  
D. No Output

23. What will be the output of the following code? [ B ]

x = "abcd"

for i in range(len(x)):

print(i)

A. abcd  
B. 0 1 2 3  
C. 1 2 3 4  
D. a b c d

24. What will be the output of the following code? [ C ]

x = 12

for i in x:

print(i)

A. 12  
B. 1 2  
C. Error  
D. None of the above

 Variables And Operators

25. Which of the following is not valid variable name in Python? [ D ]

A. \_var  
B. var\_name  
C. var11  
D. 11var

26. Which of the following is incorrect regarding variables in Python? [D ]

A. Variable names in Python cannot start with number. However, it can contain number in any other position of variable name.  
B. Variable names can start with an underscore.  
C. Data type of variable names should not be declared  
D. None of the above

27. How many keywords are there in python 3.7? [ B ]

A. 32  
B. 33  
C. 31  
D. 30

28. What is the maximum length of an identifier in python? [ D]

A. 32  
B. 31  
C. 63  
D. None of the above

29. All keyword in python are in [ C ]

A. Lowercase  
B. Uppercase  
C. Both uppercase & Lowercase  
D. None of the above

30. Which of the following statment is False? [ D ]

A. Variable names can be arbitrarily long.  
B. They can contain both letters and numbers.  
C. Variable name can begin with underscore.  
D. Variable name can begin with number.

31. Which of the following is a valid variable?

A. var@  
B. 32var  
C. class  
D. abc\_a\_c

32. What is the output of the following code : print 5//2

A. 2  
B. 2.5  
C. 2.0  
D. Error

33. 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

34. Which one is false regarding global variables?

A. Global variables can only be read inside the function declaring the variable as global inside the function.  
B. Global variables remain in memory till the end of the program  
C. Global variables are those which are declared in global scope.  
D. None of the above

35. 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

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

def fn():

global var1

var1=10

var1=var1\*5

print(var1)

var1=5

fn()

print(var1)

A. 25  
     5  
B. 50  
     5  
C. 25  
     25  
D. 50  
     50

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

x=5

def function1():

global x

y=x+x\*2

print(y)

x=7

function1()

print(x)

A. 21  
     7  
B. 15  
     5  
C. 21  
     5  
D. 15  
     7

38. What will be the value of variable y after execution of following Python code?

x="55"

y=x + str(9)

A. 64  
B. 9  
C. 559  
D. Error

39. Arrange this in order of Precedence.  
1. Exponentiation  
2. Parentheses  
3. Multiplication and Division  
4. Addition and Subtraction

A. 1,2,3,4  
B. 2,1,3,4  
C. 1,2,4,3  
D. 2,3,1,4

40. Which of this statment will give an error?

A. a++  
B. ++a  
C. a+=1  
D. Both A and B

41. Which operator is used to calculate power of x raise to y.

A. x^y  
B. x\*y  
C. x\*\*y  
D. None of the above

42. What will be the output of statment 2\*\*2\*\*2\*\*2

A. 16  
B. 256  
C. 32768  
D. 65536

## Data Types

43. Which statement is correct?

A. List is immutable && Tuple is mutable  
B. List is mutable && Tuple is immutable  
C. Both are Mutable.  
D. Both are Immutable

44. What type of data is: arr = [(1,1),(2,2),(3,3)]?

A. Array of tuples  
B. Tuples of lists  
C. List of tuples  
D. Invalid type

45. What is the output of the following program : print((1, 2) + (3, 4))

A. (1, 2), (3, 4)  
B. (4, 6)  
C. (1, 2, 3, 4)  
D. Invalid Syntax

46. Which one of the following is mutable data type?

A. set  
B. int  
C. str  
D. tupl

47. Which one of the following is immutable data type?

A. list  
B. set  
C. int  
D. dict

48. Which one of the following is False regarding data types in Python?

A. In python, explicit data type conversion is possible  
B. Mutable data types are those that can be changed.  
C. Immutable data types are those that cannot be changed.  
D. None of the above

49. Which of the following function is used to know the data type of a variable in Python?

A. datatype()  
B. typeof()  
C. type()  
D. vartype()

50. Which of the following statements is used to create an empty set?

A. []  
B. {}  
C. ()  
D. set()