



Python

Interview Questions

1. 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

Ans: C

Explanation: do-while loop is not used as loop in Python.

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

- 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.

Ans: B

Explanation: While loop is used when multiple statements are to executed repeatedly until the given condition becomes False statement is False regarding loops in Python.

3. 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

Ans: A

Explanation: 5 11 will be the output of the given code

4. 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
[View Answer](#)

Ans: C

Explanation: There will be no output of the following python code.

5. What keyword would you use to add an alternative condition to an if statement?

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

Explanation: elif is used to add an alternative condition to an if statement. So, option C is correct.

6. 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
[View Answer](#)

Ans : A

Explanation: Yes, we can write if/else in one line. For eg `i = 5 if a > 7 else 0`. So, option A is correct.

7. What will be output of this expression:

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

A. pq

B. rs

C. pqrs

D. pq12

[View Answer](#)

Ans: A

Explanation: If condition is true so pq will be the output. So, option A is correct.

8. Which statement will check if a is equal to b?

A. `if a = b:`

B. `if a == b:`

C. `if a === c:`

D. `if a == b`

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Ans: B

Explanation: `if a == b:` statement will check if a is equal to b. So, option B is correct.

9. A while loop in Python is used for what type of iteration?

A. indefinite

B. discriminant

- C. definite
- D. indeterminate

Ans: A

Explanation: A while loop implements indefinite iteration, where the number of times the loop will be executed is not specified explicitly in advance. So, option A is correct.

10. When does the else statement written after loop 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

Ans: B

Explanation: Else statement after loop will be executed only when the loop condition becomes false. So, option B is correct.

11. A loop becomes infinite loop if a condition never becomes _____.

- A. TRUE
- B. FALSE
- C. Null
- D. Both A and C

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Ans: B

Explanation: A loop becomes infinite loop if a condition never becomes FALSE. You must use caution when using while loops because of the possibility that this condition never resolves to a FALSE value. This results in a loop that never ends. Such a loop is called an infinite loop.

12. 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

Ans: B

Explanation: If the else statement is used with a while loop, the else statement is executed when the condition becomes false.

13. The _____ statement is a null operation.

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

Ans: D

Explanation: The pass statement is a null operation; nothing happens when it executes.

14. The continue statement can be used in?

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

Ans: D

Explanation: The continue statement can be used in both while and for loops.

15. Which of the following is a valid for loop in Python?

- 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)`

View Answer

Ans: B

Explanation: For statement always ended with colon (:). So, option B is correct.

16. 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

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Ans: C

Explanation: The initial value is 5 which is decreased by 2 till 0 so we get 5, then 2 is decreased so we get 3 then the same thing repeated we get 1 and now when 2 is decreased we get -1 which is less than 0 so we stop and hence we get 5 3 1. So, option C is correct.

17. When does the else statement written after loop 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

Ans: B

Explanation: Else statement after loop will be executed only when the loop condition becomes false. So, option B is correct.

18. The _____ statement is a null operation.

- A. break
 - B. exit
 - C. return
 - D. pass
- [View Answer](#)

Ans: D

Explanation: The pass statement is a null operation; nothing happens when it executes.

19. The continue statement can be used in?

- A. while loop
 - B. for loop
 - C. do-while
 - D. Both A and B
- [View Answer](#)

Ans: D

Explanation: The continue statement can be used in both while and for loops

20. 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

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Ans- D

Explanation: The output of the following python code is 8 12.