

# Python MCQS Day4

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**1. What is the main purpose of loops in Python?**

- A. To define variables
- B. To repeat instructions
- C. To exit programs
- D. To define functions

**2. Which loop continues until a condition becomes false?**

- A. for loop
- B. do-while loop
- C. while loop
- D. foreach loop

**3. Which keyword is used to skip the rest of the code in the loop for the current iteration?**

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

**4. What does the break keyword do inside a loop?**

- A. Continues next iteration
- B. Skips the loop
- C. Terminates the loop
- D. Pauses the loop

**5. What is the output of range(5)?**

- A. [1,2,3,4,5]
- B. [0,1,2,3,4,5]
- C. [0,1,2,3,4]
- D. [1,2,3,4]

**6. Which loop is most commonly used for traversing a list?**

- A. while loop
- B. for loop
- C. do-while loop
- D. if loop

**7. What does the pass statement do in a loop?**

- A. Repeats the loop
- B. Terminates the loop
- C. Skips the loop
- D. Does nothing

**8. What is the correct syntax for a while loop?**

- A. while (condition) {}
- B. while condition:

- C. while: condition
- D. while condition

**9. What happens if a loop never meets its exit condition?**

- A. It gives an error
- B. It exits automatically
- C. It becomes an infinite loop
- D. It runs once

**10. Which loop can be used to print numbers from 1 to 100?**

- A. for
- B. while
- C. both A and B
- D. None of these

**11. Which function is used to generate a sequence of numbers?**

- A. loop()
- B. seq()
- C. range()
- D. step()

**12. What will range(1, 6) return?**

- A. [1,2,3,4,5]
- B. [0,1,2,3,4]
- C. [1,2,3,4,5,6]
- D. [0,1,2,3,4,5]

**13. What is the output of: for i in range(0, 10, 2)?**

- A. 0 to 10
- B. 0, 1, 2...9

C. 0, 2, 4, 6, 8

D. 1 to 9

**14. What will be printed by for el in [1,4,9,16]: print(el)?**

A. Error

B. The list itself

C. Each element on a new line

D. Index of elements

**15. In which scenario should break be used?**

A. To continue a loop

B. To skip some code

C. To exit loop when a condition is met

D. To raise exception

**16. What is the output of this loop: while True: print("Hi")?**

A. Hi printed once

B. Error

C. Hi printed infinitely

D. Nothing happens

**17. What does continue do inside a loop?**

A. Breaks the loop

B. Ends the program

C. Skips current iteration

D. Stops entire loop

**18. What will range(10, 0, -1) produce?**

A. 0 to 10

B. 1 to 10

C. 10 to 1

D. Infinite loop

**19. How many times will the loop run? for i in range(5):  
print(i)**

- A. 4
- B. 5
- C. 6
- D. Infinite

**20. What is the use of else in for-else?**

- A. Runs before loop
- B. Runs only when break is used
- C. Runs if loop completes normally
- D. It's required syntax

**21. Which loop structure is ideal for checking conditions repeatedly until false?**

- A. for loop
- B. while loop
- C. do loop
- D. range loop

**22. What is printed by for el in range(5): pass?**

- A. Error
- B. Nothing
- C. 0 to 5
- D. pass

**23. How to print elements of a list?**

- A. list.print()
- B. for el in list: print(el)
- C. while el in list: print(el)
- D. list(el)

**24. Which loop structure uses indentation and colon :?**

- A. for
- B. while
- C. both A and B
- D. None

**25. What happens if you use continue and break together in the same loop?**

- A. Only continue works
- B. Only break works
- C. Depends on order
- D. Syntax error

## Answer Key

1. **B**
2. **C**
3. **D**
4. **C**
5. **C**
6. **B**
7. **D**
8. **B**
9. **C**
10. **C**
11. **C**
12. **A**
13. **C**
14. **C**
15. **C**
16. **C**
17. **C**
18. **C**
19. **B**
20. **C**
21. **B**
22. **B**
23. **B**
24. **C**
25. **C**