

PYTHON

LOOPS - EASY LEVEL

1. What is the output of `for i in range(3): print(i)`?

- A) 0 1 2
- B) 1 2 3
- C) 0 1 2 3
- D) 1 3 5

Answer: A

2. Which statement immediately exits a loop?

- A) `continue`
- B) `break`
- C) `pass`
- D) `exit`

Answer: B

3. Which loop is used when number of iterations is unknown?

- A) `for`
- B) `while`
- C) `do-while`
- D) `repeat`

Answer: B

4. What does `range(5)` generate?

- A) 0 1 2 3 4
- B) 1 2 3 4 5
- C) 0 1 2 3 4 5
- D) 1 2 3 4

Answer: A

5. Which statement skips the current iteration?

- A) break
- B) continue
- C) pass
- D) skip

Answer: B

6. How many times will `for i in range(5): print(i)` execute?

- A) 5
- B) 4
- C) 6
- D) 3

Answer: A

7. What is printed by `while i<3: i+=1; print(i)` if `i` starts at 0?

- A) 1 2 3
- B) 0 1 2
- C) 0 1 2 3
- D) 2 3

Answer: C

8. What will `range(5,0,-1)` generate?

- A) 5 4 3 2 1
- B) 0 1 2 3 4
- C) 5 4 3 2 1 0
- D) Error

Answer: A

9. Which loop guarantees at least one execution?

- A) do-while

- B) for
- C) while
- D) None

Answer: A

10. What will `print([i for i in range(3) if i%2==0])` output?

- A) [0,2]
- B) [1,2]
- C) [0,1]
- D) [1,3]

Answer: A

11. How many times will `for i in range(0,10,2): print(i)` execute?

- A) 5
- B) 4
- C) 6
- D) 10

Answer: A

12. What will `for i in range(2): for j in range(2): print(i,j)` output?

- A) (0,0),(0,1),(1,0),(1,1)
- B) 0 0 1 1
- C) 0 1 2 3
- D) 1 2

Answer: A

13. Which is true about Python loops?

- A) for loops can iterate over lists
- B) while loops can iterate only numbers
- C) for loops cannot use break
- D) while loops cannot use continue

Answer: A

14. What is printed by `for i in range(3): pass else: print("Done")`?

- A) Done
- B) 0 1 2 Done
- C) 0 1 2
- D) Nothing

Answer: A

15. What is printed by `while i<3: i+=1 if i==2: continue print(i)` starting with `i=0`?

- A) 2 3
- B) 1 3
- C) 1 2
- D) 0 1 2

Answer: B

16. What does `range(1,4)` generate?

- A) 1 2 3
- B) 0 1 2
- C) 0 1 2 3
- D) 1 2 3 4

Answer: A

17. How many times will `i` print in `i=0 while i<5: print(i); i+=1`?

- A) 5
- B) 4
- C) 6
- D) 0

Answer: A

18. What will `for i in range(2): for j in range(2): if i==j: continue print(i,j)` output?

A) 0 1 1 0

B) 0 0 1 1

C) 0 1 2 3

D) 1 2

Answer: A

19. What will `while i<5: i+=1; if i==3: break print(i)` output if i starts at 0?

A) 1 2

B) 1 2 3

C) 2 3

D) 3

Answer: A

20. Which statement stops all loop execution?

A) break

B) continue

C) pass

D) exit

Answer: A

21. Output of `for i in range(3): print(i) else: print("Done")`?

A) 0 1 2 Done

B) 0 1 2

C) Done

D) Error

Answer: A

22. What will `print([i*i for i in range(3)])` output?

A) [0,1,4]

B) [1,4,9]

C) [0,1,2]

D) [1,2,3]

Answer: A

23. How many times will print execute in for i in range(0,10,2)?

A) 5

B) 4

C) 6

D) 10

Answer: A

24. What is printed by i=0; while i<3: print(i); i+=1 else: print("Done")?

A) 0 1 2 Done

B) 0 1 2

C) Done

D) Error

Answer: A

25. What does continue do inside a loop?

A) Skips current iteration

B) Exits loop

C) Does nothing

D) Terminates program

Answer: A

26. What is printed by for i in range(3): for j in range(3): if j==1: continue print(i,j)?

A) 0 0 0 2 1 0 1 2 2 0 2 2

B) 0 1 2

C) 0 0 1 1 2 2

D) 1 2 3

Answer: A

27. What is printed by `for i in range(1,4): print(i) else: print("Loop Done")`?

A) 1 2 3 Loop Done

B) 1 2 3

C) Loop Done

D) 1 2 3 4

Answer: A

28. What will `print(range(5,0,-1))` output?

A) 5 4 3 2 1

B) 0 1 2 3 4

C) 5 4 3 2 1 0

D) Error

Answer: A

29. How many times will `while i<10: i+=3` execute if `i=0`?

A) 4

B) 3

C) 5

D) Infinite

Answer: A

30. What is printed by `for i in range(3): pass else: print("Finished")`?

A) Finished

B) 0 1 2 Finished

C) Nothing

D) Error

Answer: A

31. What is printed by `i=0; while i<5: i+=1; if i%2==0: continue print(i)`?

A) 1 3 5

B) 0 2 4

C) 2 4

D) 1 2 3 4 5

Answer: A

32. Output of `for i in range(3): for j in range(3): if i+j>=3: break print(i,j)?`

A) 0 0 0 1 1 0

B) 0 0 0 1 0 2 1 0 1 1 1 2

C) 0 0 1 0 2 0

D) 0 1 2

Answer: B

33. What is printed by `for i in range(3): print(i) else: print("End")?`

A) 0 1 2 End

B) 0 1 2

C) End

D) 1 2 3 End

Answer: A

34. Output of `for i in range(2): for j in range(3): print(i*j)?`

A) 0 0 0 1 0 2

B) 0 1 2 3 4 5

C) 0 1 0 2 0 3

D) 0 0 1 1 2 2

Answer: A

35. What is printed by `for i in range(3): for j in range(3): if i==1: break print(i,j)?`

A) 0 0 0 1 0 2 2 0 2 1 2 2

B) 0 0 0 1 1 0

C) 1 2 3

D) 0 0 1 0

Answer: B

36. Output of while i<5: i+=2 print(i) starting i=0?

- A) 2 4
- B) 2 4 6
- C) 1 3 5
- D) 0 2 4

Answer: D

37. Output of for i in range(3): for j in range(3): if j==1: continue print(i,j)?

- A) 0 0 0 2 1 0 1 2 2 0 2 2
- B) 0 0 0 1 1 0
- C) 0 1 1 2
- D) 0 1 2

Answer: A

38. What is printed by i=0; while i<3: i+=1; if i==1: continue print(i)?

- A) 2 3
- B) 1 3
- C) 1 2
- D) 0 1 2

Answer: A

39. Output of for i in range(3): for j in range(2): print(i,j)?

- A) (0,0),(0,1),(1,0),(1,1)
- B) 0 0 1 1
- C) 0 1 2 3
- D) 1 2 3 4

Answer: A

40. Output of for i in range(3): for j in range(3): if i+j>=3: break print(i,j)?

- A) 0 0 0 1 1 0

B) 0 0 0 1 0 2 1 0 1 1 1 2

C) 0 0 1 0 2 0

D) 0 1 2

Answer: B

41. Which statement exits only the current iteration of a loop?

A) continue

B) break

C) pass

D) exit

Answer: A

42. Output of for i in range(3): if i%2==0: continue print(i)?

A) 1 3

B) 0 2

C) 0 1 2

D) 1 2 3

Answer: A

43. Output of for i in range(2): for j in range(3): print(i*j)?

A) 0 0 0 1 0 2

B) 0 1 2 3 4 5

C) 0 1 0 2 0 3

D) 0 0 1 1 2 2

Answer: A

44. What is printed by for i in range(3): for j in range(3): if i==1: break print(i,j)?

A) 0 0 0 1 0 2 2 0 2 1 2 2

B) 0 0 0 1 1 0

C) 1 2 3

D) 0 0 1 0

Answer: B

45. Output of while i<5: i+=1 if i%2==0: continue print(i)?

A) 1 3 5

B) 0 2 4

C) 2 4

D) 1 2 3 4 5

Answer: A

46. Output of for i in range(2): for j in range(2): print(i,j)?

A) (0,0),(0,1),(1,0),(1,1)

B) 0 0 1 1

C) 0 1 2 3

D) 1 2 3 4

Answer: A

47. Output of for i in range(3): for j in range(3): if i+j>=3: break print(i,j)?

A) 0 0 0 1 1 0

B) 0 0 0 1 0 2 1 0 1 1 1 2

C) 0 0 1 0 2 0

D) 0 1 2

Answer: B

48. Output of for i in range(3): for j in range(3): if i==j: continue print(i,j)?

A) 0 1 0 2 1 0 1 2 2 0 2 1

B) 0 0 1 1 2 2

C) 0 1 2

D) 1 2 3

Answer: A

49. Which statement is used to repeat a block multiple times?

- A) for
- B) if
- C) break
- D) pass

Answer: A

50. Output of `for i in range(3): print(i) if break on i==2?`

- A) 0 1 2
- B) 0 1
- C) 1 2 3
- D) 1 2

Answer: A