

PYTHON

LOOPS - MEDIUM LEVEL

1. What will be 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 2

Answer: A

2. Which statement is used to exit a loop prematurely?

A) break

B) continue

C) pass

D) exit

Answer: A

3. How many times will

```
while True:
```

```
    pass
```

```
execute?
```

A) Once

B) Infinite

C) Twice

D) Thrice

Answer: B

4. What will `print(list(range(2, 10, 2)))` output?

A) [2, 4, 6, 8]

B) [2, 4, 6, 8, 10]

C) [0, 2, 4, 6, 8]

D) [2, 3, 4, 5, 6]

Answer: A

5. Which statement skips the current iteration?

A) continue

B) break

C) pass

D) skip

Answer: A

6. What will for i in range(1,5):

if i==3:

break

print(i) output?

A) 1 2

B) 1 2 3

C) 1 2 3 4

D) 2 3

Answer: A

7. What will while i<3:

i+=1

print(i)

output 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 does 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(0,10,3):

print(i)

execute?

A) 4

B) 3

C) 5

D) Infinite

Answer: A

12. What will for i in range(3):

for j in range(2):

print(i,j)

output?

A) (0,0),(0,1),(1,0),(1,1),(2,0),(2,1)

B) 0 0 1 0 2 0

C) 0 1 2 3 4 5

D) 0 1

Answer: A

13. Which is true for 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 2

C) 1 3

D) 0 1 2

Answer: C

16. What does range(0,5) generate?

A) 0 1 2 3 4

B) 0 1 2 3 4 5

C) 1 2 3 4

D) 1 2 3 4 5

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(3):

for j in range(3):

if i==j:

continue

print(i,j) output?

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

B) 0 0 1 1 2 2

C) 0 1 2 0 1 2

D) 0 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. What is printed by

```
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 the output of

```
for i in range(1,4):
```

```
for j in range(1,4):
```

```
print(i*j)
```

```
if break on i*j>2?
```

A) 1 2

B) 1 2 3 3 6 9

C) 1 2 2 4

D) 1

Answer: D

25. 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

26. What does continue do inside a loop?

A) Skips current iteration

B) Exits loop

C) Does nothing

D) Terminates program

Answer: A

27. 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

28. 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

29. 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

30. How many times will

while i<10:

i+=3

execute

if i=0?

A) 4

B) 3

C) 5

D) Infinite

Answer: A

31. What is printed by

```
for i in range(3):
```

```
    for j in range(2):
```

```
        if i==j:
```

```
            break
```

```
        print(i,j)?
```

A) 1 0 2 0 2 1

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

C) 0 1 1 2

D) 0 0 1 0

Answer: A

32. What is the output of

```
for i in range(3):
```

```
    pass
```

```
else:
```

```
    print("Finished")?
```

A) Finished

B) 0 1 2 Finished

C) Nothing

D) Error

Answer: A

33. 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

34. What is printed by

```
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 0 1 1 0 1 1 2

D) 0 1 2 3

Answer: A

35. 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

36. Output of for i in range(3):

```
    for j in range(3):
```

```
        if j==2:
```

```
            continue
```

```
        print(i,j)?
```

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

B) 0 0 0 1 1 0 1 1

C) 0 0 1 0 2 0

D) 0 1 2

Answer: A

37. What is printed by i=0;

while i<3:

i+=1;

if i==1:

continue

print(i)?

A) 2 3

B) 1 2

C) 1 3

D) 0 1 2

Answer: A

38. 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

39. Output of for i in range(3):

for j in range(2):

print(i+j)?

A) 0 1 1 2 2 3

B) 0 1 0 1 0 1

C) 0 1 2 3 4 5

D) 0 2 4

Answer: A

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

A) continue

B) break

C) pass

D) exit

Answer: A

41. 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

42. 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

43. 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: A

44. 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

45. 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

46. Output of for i in range(3):

for j in range(3):

print(i,j)

if break on j==2?

A) 0 0 0 1 1 0 1 1 2

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

C) 0 0 1 0 2 0

D) 0 1 2

Answer: A

47. 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

48. 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

49. 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: A

50. 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