# FOR LOOP BASIC QUESTIONS (20–25)

## Basic `for` Loop and `range()` Usage

1. Write a program to print numbers from 1 to 10 using a for loop.
2. Print numbers from 0 to 5 using `range()`.
3. Print numbers from 5 to 15.
4. Print numbers from 10 to 1 using a for loop.
5. Print all even numbers between 1 and 20.
6. Print all odd numbers between 1 and 20.
7. Print numbers from 1 to 50, skipping multiples of 5.
8. Print numbers from 1 to 100 with a step of 10.
9. Print the square of numbers from 1 to 10.
10. Print the cube of numbers from 1 to 5.

## Aggregation and Counting

11. Find the sum of numbers from 1 to 10 using a for loop.
12. Find the sum of even numbers from 1 to 20.
13. Print the multiplication table of 5.
14. Print multiplication tables from 1 to 3.
15. Count how many numbers are there between 1 and 50.
16. Count how many even numbers are there between 1 and 100.

## Control Flow and Formatting

17. Print numbers from 1 to 30, but stop printing when the number becomes 20.
18. Print numbers from 1 to 20, but do not print 10.
19. Print numbers from 1 to 5, each on a new line.
20. Print numbers from 1 to 5 in a single line separated by space.
21. Print numbers from 5 to 1 in reverse order.
22. Print numbers from 1 to 5, along with their squares.

## Output Prediction and Execution Count

23. What will be the output of the following code?for i in range(3): print(i)

24. What will be the output of the following code?for i in range(1, 6, 2): print(i)

25. How many times will the following loop execute?for i in range(10, 0, -2): print(i)