Basic Loop Questions

- 1. Print numbers from 1 to 10 using a for loop.
- 2. Print even numbers from 1 to 20.
- 3. Calculate the sum of numbers from 1 to 100 using a while loop.
- 4. Print the multiplication table of a given number (e.g., 5).
- 5. Print each character in a string using a for loop.

Intermediate Loop Questions

- 1. Find the factorial of a number using a loop.
- 2. Print the Fibonacci sequence up to n terms.
- 3. Count the number of vowels in a given string.
- 4. Reverse a given number using a loop.
- 5. Find the sum of digits of a number.

Advanced Loop Questions

- 1. Check if a number is a prime using a loop.
- 2. Print a pyramid/star pattern using nested loops.
- 3. Find the second largest number in a list using a loop.
- 4. Implement a number guessing game using a loop.
- 5. Detect and print all duplicates in a list.