**Basic Loop Programs**

1. Print numbers from 1 to 10 using a for loop.
2. Print even numbers from 1 to 20 using a while loop.
3. Print the multiplication table of a number (e.g., 5).
4. Print the sum of numbers from 1 to 100.
5. Count the number of digits in a number.
6. Reverse a given number using a loop.
7. Print the first 10 square numbers using a loop.
8. Print numbers from 10 to 1 using a while loop.
9. Find the sum of digits of a number using a loop.
10. Find the largest digit in a number.
11. Print all prime numbers between 1 and 100.
12. Check if a number is prime using a loop.
13. Calculate the power of a number using a loop.
14. Reverse a string using a loop.
15. Count the number of words in a sentence using a loop.
16. Generate a list of prime numbers up to n using a loop.
17. Find the second largest number in a list using a loop.
18. Count even and odd numbers in a list using a loop.
19. Merge two lists using a loop.
20. Implement a simple calculator using a loop.