

1. Print prime numbers from 1 to 20 using a for loop.
2. Calculate the sum of numbers from 1 to 50 using a for loop.
3. Print the square of numbers from 1 to 15 using a for loop.
4. Create a countdown timer that starts from 10 and counts down to 0 using a for loop.
5. Generate the Fibonacci sequence up to the 10th term using a for loop.
6. Print a multiplication table for a given number up to 10 using a nested for loop.
7. Create a program that finds the factorial of a number using a for loop.
8. Write a program that prints a pattern of stars in the shape of a right-angled triangle using a for loop.
9. Create a program that checks whether a given number is prime or not using a for loop.
10. Build a program that calculates the sum of digits of a given number using a for loop.
11. Print the first n terms of the geometric progression 2, 6, 18, 54, ... using a for loop.
12. Implement a program that generates a multiplication table for numbers from start to end using nested for loops.
13. Write a program to print a pyramid pattern of stars using nested for loops.
14. Develop a program that simulates a basic dice roll, displaying the results for a user-specified number of rolls using a for loop.
15. Create a program that finds the common elements in two lists using nested for loops.
16. Implement a program to find all prime numbers in a given range using a for loop and the Sieve of Eratosthenes algorithm.
17. Build a program that generates the nth term of the arithmetic progression 2, 5, 8, 11, ... using a for loop.