1. Sum of N Natural Numbers using a Loop

Write a program to calculate the sum of first n natural numbers using a for loop.

Input: n = 5

Output: 15

2. Count Even and Odd Numbers in a List

Use a for loop and if statement to count how many even and odd numbers are in a list.

Input: [1, 2, 3, 4, 5, 6]

Output: Even: 3, Odd: 3

3. Multiplication Table (1 to 10)

Print the multiplication table of a given number using a loop.

Input: num = 3

Output:

3 x 1 = 3

3 x 2 = 6

...

3 x 10 = 30

4. Factorial of a Number using while loop

Write a program to calculate factorial of a number using a while loop.

Input: n = 5

Output: 120