

AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB)
Faculty of Science and Technology (FST)
Department of Computer Science (CS)
Introduction to Programming [Task on Loop]

1. Find Multiplication Table of any given Number

Sample Output:

Input a number to find it's Multiplication Table: 9

9 X 1 = 9
9 X 2 = 18
9 X 3 = 27
9 X 4 = 36
9 X 5 = 45
9 X 6 = 54
9 X 7 = 63
9 X 8 = 72
9 X 9 = 81
9 X 10 = 90

2. Write a program in C++ to convert a decimal number to binary number.

Sample Output:

Input a decimal number: 35

The binary number is: 100011

3. Write a program in C++ to find the sum of digits of a given number.

Sample Output:

Input a number: 1234

The sum of digits of 1234 is: 10

4. Write a program in C++ to find the Greatest Common Divisor (GCD) of two numbers.

Sample Output:

Input the first number: 25

Input the second number: 15

The Greatest Common Divisor is: 5

5. Write a program that take two integer numbers and display the sum of even numbers between these two input numbers.

First Number: 3

Second Number: 10

Sum of Even numbers between 3 and 10 is: 18

6. Calculate the Factorial of a number.

Sample Output:

Your input to calculate factorial: 5

Factorial of 5 is 120

7. Find the Fibonacci series of N terms.

Sample Output:

Your input is: 8

Fibonacci Series: 1 1 2 3 5 8 13 21