

1. Write the following programs by using loop-
 - I. Print "Southeast University" 10 times.
 - II. Print all numbers from 1 to 10.
 - III. Print all odd numbers from 1 to 10.
 - IV. Print all even numbers from 1 to 10.
2. Write a C program to print the summation for all natural numbers from 1 to n.
3. Write a C program to print the factorial of n.
4. Write a C program to reverse an integer number.
5. Write a C program to print the GCD and LCM of 2 integer numbers.
6. Write a C program to convert a binary value into a decimal value.
7. Write a C program to convert a decimal value into a binary value.
8. Find out the sum of each of the following series. n is the input from the user for series (i) to (viii)
 - (i) $1+2+3+ \dots +100$
 - (ii) $3 + 11 + 19 + \dots + 1691.$
 - (iii) $7 + 20 + 33 + \dots$ (up to 100th term)
 - (iv) $5 - 11 + 17 - \dots$ (up to 75th term)
 - (v) $1 + (1 + 2) + (1 + 2 + 3) + \dots + (1 + 2 + 3 + \dots + n)$
 - (vi) $1 + \frac{2^2}{2!} + \frac{3^2}{3!} + \dots + \frac{n^2}{n!}$
 - (vii) $1 * 2 * 3 * \dots * 100$
 - (viii) $2 * 7 * 12 * \dots * 37$