

Structured Programming

CIS 122 & 122 L

For Loop Practice Problems

Problem 1: Average of 10 numbers

Take 10 integers from keyboard using loop and print their average value on the screen.

Problem 2: ASCII converter

Print ASCII values and their equivalent characters. ASCII value vary from 0 to 255.

Problem 3: Factorial Fun

Read two numbers N1 and N2. Write a program to calculate the factorial of these numbers and finally sum the factorials of these numbers as output. (Just use for loop to do this)

Input

The input file contains many test cases. Each test case contains two integer numbers N1 ($0 \leq N1 \leq 20$) and N2 ($0 \leq N2 \leq 20$).

Output

For each test case in the input your program must print a single line, containing a number that is the sum of the both factorial (N1 and N2).

Example input output:

Sample Input		Sample Output
4	4	48
0	0	2
4	2	26

Problem 4: Sum of the series

Consider the following series $9+13+17+21+\dots+n=?$

Now think about the problem, you need to take the input from the user to know the value of 'n' and then calculate the sum of the series. (**N: B: Do not use any formula just use simple for loop to do that**)

Task:

- a) Write down the necessary C codes for the above problems
- b) Make flow chart diagram for all problems

Instructions:

- ✚ Make a word or pdf document and named it with your DIU student id
- ✚ Take screenshot of the C program code and output for each task.
- ✚ Attach the screenshots to your document and submit