Iteration/Repetition using For Loop Practice

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: Overtime Calculator

Write a program to calculate overtime pay of 10 employees. Overtime is paid at the rate of BDT. 120.00 per hour for every hour worked above 36 hours in a week. Assume that employees do not work for fractional part of an hour

Problem 4: De Factorial

Write a program to find the factorial value of any number entered through the keyboard.

Problem 5: Prime Time

Check the following number prime or not by taking input from the user.

Problem 6: Star Pyramid

Print the following pattern of pyramid with star.

Problem 7: 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 8: Sum of the series

Consider the following series 9+13+17+21+……+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**)

Problem 9: Star Pyramid

Write a C program to display a half pyramid of star.

Sample output:

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*
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***
****
*****
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Problem 10: Binary half Pyramid

Write a C program to display a half pyramid consist of only Zeros and Ones.

Sample output:

0
01
010
0101
01010

Problem 11: Number sequence pyramid

Write a C program to display the following pyramid.

Sample output:

1
23
345
4567
56789

Problem 12: Reverse “A” Pyramid

Write a C program to display following output

Sample output:

AAAAA
AAAA
AAA
AA
A

Problem 13: Reverse Number sequence

Write a C program to display following output

Sample output:

54321
4321
321
21
1