

**AMERICAN INTERNATIONAL UNIVERSITY BANGLADESH  
FACULTY IF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF COMPUTER SCIENCE  
C PROBLEMS**

**loop:**

1. Print your name 100 times in the screen each in a new line.
2.  $1+2+3+\dots+n=?$  Take n as an input integer.

Sample Input	Sample Output
Enter an integer number: 3	Output: 6
Enter an integer number: 5	Output: 15

3.  $1+3+5+\dots+n=?$  Take n as an input integer.

Sample Input	Sample Output
Enter an integer number: 3	Output: 9
Enter an integer number: 4	Output: 16

4. Take an integer input n and find out the sum of individual digit.

Sample Input	Sample Output
Enter an integer: 123	Output: 6
Enter an integer: 234	Output: 9

5. Take an integer input and print it's all factors .

Sample Input	Sample Output
Enter an integer: 20	Factors are: 1 2 4 5 10
Enter an integer: 50	Factors are: 1 2 4 5 10 20 25 50

6. Write a program that reads n characters from the keyboard. Each time a character is read, print it's ASCII value.

Sample Input /Output:
Enter an integer: 3 Enter a character: A ASCII: 65

Enter a character: B ASCII: 66 Enter a character: 0 ASCII: 48
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7. Print the following pattern.

Sample Input	Sample Output
Enter an integer number: 5	1 12 123 1234 12345

8. Print the following pattern.

Sample Input	Sample Output
Enter an integer number: 5	* ** *** **** *****