# Problem 01

You are given an integer n or –n .If you are given n , print n to –n , if you are given –n, print –n to n.

See the sample output for more clarification. Implement it using function.

**Sample Input :**

5

-4

**Sample Output :**

5 4 3 2 1 0 -1 -2 -3 -4 -5

-4 -3 -2 -1 0 1 2 3 4

# Problem 02

Print the following pattern (Implement it using function)

For example n = 4

```
*******
 *****
  ***
   *
```

**Sample Input :**

5

**Sample Output :**

```
*********
 *******
  *****
   ***
    *
```

# Problem 03

You are given a positive integer n and after that a positive integer array of size n. Now print the sum of last digit and first digit of the given n integers. Implement it using function (Don't pass the values in function as an array and try to implement using a single loop in your entire solution)

Note – It is guaranteed that all the integers will be a 4 digit value

**Sample Input :**

5

2222 4414 1434 1011 1221

**Sample Output :**

Sum = 21

# Problem 04

Write a C program to take one positive integer N as input and print all even numbers from 2 to N.

Implement it using function.

**Sample Input 1:**

10

**Sample Input 2:**

7

**Sample Output 1:**

2 4 6 8 10

**Sample Output 2:**

2 4 6

# Problem 05

You are given an operator as a character + or – or * or / . You are also given two positive integers a and b after that.

Now perform addition or subtraction or multiplication or division on the basis of the given input. You can subtract

a-b or b-a …similarly for others operators also. Implement it using function.

**Sample Input :**                                                      **Sample Output :**

*

10 4                                                                          40

# Problem 06

Write a C program to take one positive integer N as input and print all divisors of N. Implement it using function.

**Sample Input 1:**

10

**Sample Input 2:**

18

**Sample Input 3:**

24

**Sample Output 1:**

1 2 5 10

**Sample Output 2:**

1 2 3 6 9 18

**Sample Output 3:**

1 2 3 4 6 8 12 24

## Codeforces Problem Link –

1) https://codeforces.com/problemset/problem/1709/A
2) https://codeforces.com/contest/1691/problem/A
3) https://codeforces.com/problemset/problem/1660/A