

## Discussion Topic

### **Part:1- Introduction**

### **Part:2- What are the 4 types of functions in C?**

What are the different categories of functions in C Programming?

- i)Return + Argument
  - ii)No Return + Argument
  - iii)Return +No Argument
  - iv)No Return + No Argument
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#### **1)Functions with arguments and with return values.**

Example:

You are given a positive integer n.

Now print the sum of last digit and first digit of the given integers.

Implement it using function.

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

Sample Input:

1234

Sample Output:

Sum = 5

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#### **2)Functions with arguments and without return values.**

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

Sample Output :

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

Sample Input :

-4

Sample Output :

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

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### **3)Functions without arguments and with return values.**

Example : Phi value

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### **4)Functions without arguments and without return values.**

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 Output 1:

2 4 6 8 10

Sample Input 2:

7

Sample Output 2:

2 4 6

### **Part:3- Problem Solving**

<https://codeforces.com/problemset/problem/1709/A>