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