

Assignment 4

Functions

- 1- Explain the difference between passing (**Value type parameters**) by value and by reference then write a suitable c# example.
- 2- Explain the difference between passing (**Reference type parameters**) by value and by reference then write a suitable c# example.
- 3- Write a c# Function that accept 4 parameters from user and return result of summation and subtracting of two numbers
- 4- Write a program in C# Sharp to create a function to calculate the sum of the individual digits of a given number.

Output should be like

Enter a number: 25

The sum of the digits of the number 25 is: 7

- 5- Create a function named "IsPrime", which receives an integer number and returns true if it is prime, or false if it is not:
- 6- Create a function named MinMaxArray, to return the minimum and maximum values stored in an array, using reference parameters
- 7- Create an iterative (non-recursive) function to calculate the factorial of the number specified as parameter
- 8- Create a function named "ChangeChar" to modify a letter in a certain position (0 based) of a string, replacing it with a different letter