

## Practical work \_N° 06

### Exercise N° 01:

**Question 01:** Write a C program to create a function **addNumbers()** that takes two integers as arguments and returns their sum. Call this function from the **main()** function and print the result.

**Question 02:** Write a C program to create a function **addNumbers()** that takes two integers as arguments and returns their sum **using pointers**.

### Exercise N° 02:

**Question 01:** Write a C program to create a function **swap()** that swaps the values of two integers. Test this function in the **main()** function by swapping two numbers.

**Question 02:** Write a C program to create a function **swap()** that swaps the values of two integers **using pointers**. Test this function in the **main()** function by swapping two numbers.

### Exercise N° 03:

**Question 01:** Write a C program to create a function **MaxMin()** that finds the maximum and minimum between two numbers. Test this function in the **main()** function.

**Question 02:** Write a C program to create a function **findMax()** that takes three integers as arguments and returns the largest of the three.

### Exercise N° 04:

**Question :** Write a C program to create a function that checks whether a number is even or odd. Call this function from the **main()** function and print the result.

### Exercise N° 05:

**Question 01:** Write a C program to print all natural numbers between 1 to n using functions.

**Question 02:** Write a C program to print all even or odd numbers in given range using functions.

### Exercise N° 07:

**Question 01:** Write a recursive function **factorial()** that takes an integer as input and returns its factorial. Use this function in the **main()** function to compute the factorial of 10.

**Question 02:** Write a C program to print all natural numbers between 1 to N using recursion.

**Question 03:** Write a C program to print all even or odd numbers in given range using recursion.