

Lab (1)

Expected Output

Write C code that will ask the user to enter 2 numbers, then the main function will call a function named Get_Max that takes the 2 values entered by the user then return the maximum of them.

The main function then will print the returned value

```
Please Enter Value 1: 10  
Please Enter Value 2: 20  
The Maximum value is 20
```

Lab (2)

Write C code implement a function to swap 2 global variables.

Expected Output

```
X before swap = 10  
Y before swap = 20  
  
X after swap = 20  
Y after swap = 10
```

Lab (3)

Write C code that contains two functions; PrintMyName and main. PrintMyName is defined in file2.c and its role is to print your name. main is define in file1.c and its role is to call PrintMyName function

Lab (4)

Write C code that calculates the factorial of a number entered by the user using recursive function

Lab (5)

Write a C program the implement 2 function:

- 1- Function to get the maximum of 4 values
- 2- Function to get the minimum of 4 values

The program will ask the user first to enter the 4 values, then print the maximum number and minimum number of them.



Lab (6)

Write a C program to act as simple calculator, first it will ask the user to enter the operation ID, depending on the operation, the program will ask the user either to enter 1 operand or 2 operands and the program will execute the operation and print the result. Each operation should be implemented in a stand a long function.

ID	Operation	Number of Operands
1	Add	2
2	Subtract	2
3	Multiply	2
4	Divide	2
5	And	2
6	Or	2
7	Not	1
8	Xor	2
9	reminder	2
10	Increment	1
11	Decrement	1