

# C Programming

## LABs Lecture 7

*Eng: fahd badi*

# LAB1

Write a C code defines an int initialized with 50, then print it, then define a pointer that points to that int and change the value of the int through the pointer to be 25, then print it again.

```
z before change is: 50  
z after change is: 25
```

# LAB2

Write a C Function that swaps the value of two integer numbers **(using call by reference)**.

```
The two numbers before swapping...  
Enter Number1: 50  
Enter Number2: 70  
  
The two numbers after using swapping by reference...  
Enter Number1: 70  
Enter Number2: 50
```

# LAB3

Write C Function that calculates the summation and multiplication of 2 values, the function returns the 2 results and print the 2 results.

```
Please Enter Value 1: 10  
Please Enter Value 2: 5  
  
The result of Summation is: 15  
The result of multiplication is: 50
```

# LAB4

Write C Function to get the value of the smallest element in array (using pointers).

```
Enter integers 10 elements into array:
14
56
16
79
17
20
33
48
100
7
The smallest array element is : 7
```



# Eng. Fahd Badi Abdelhameed

