# CL1002 – Programming Fundamentals Lab

# Exercise # 03

**Note:**

- Submit a pdf file containing all of your C code with all possible screenshots of every task outputs on Google Classroom.
- Copied task will be awarded **zero** marks.
- Note that these lab task marks could be graded through a viva in lab.
- Please submit your file in this format (roll-no-name) i.e  (22P-8743-Zain.pdf).

## Problem: 1

Write a program that reads two integers from user and outputs the largest one using **if else.**
**Sample Output:**
*Enter first integer x: 5*
*Enter second integer y: 10*

*Second integer 10 is greater than first integer 5*

## Problem: 2

Write a program that reads three integers from user and outputs the largest one.
Sample Output:
*Enter first integer x: 5*
*Enter second integer y: 10*
*Enter second integer z: 8*

*Second integer y=10 is largest among three*

## Problem: 3

Write a program that reads the score of a student in a subject and displays his grades according to the following criteria:

*Note:* Use **if-else if** *statements for this program*

| Score | Grade |
|---|---|
| >= 90 | A+ |
| 80 – 89 | A |
| 70 – 79 | B |
| 60 – 69 | C |
| 50 – 59 | D |
| < 50 | F |

## Problem: 4

Make a Simple Calculator to Add, Subtract, Multiply or Divide Using if else.

Your program ask user to enter the number and the operation you want to perform (+,-,*,/,%)



```
usman~/pf/lab6-ai$ gcc p5-calc.c -o p5-calc.out
usman~/pf/lab6-ai$ ./p5-calc.out
Enter Operation (+,-,*,/):*
Enter first number:5
Enter second number:4
Product :20
usman~/pf/lab6-ai$ ./p5-calc.out
Enter Operation (+,-,*,/):+
Enter first number:7
Enter second number:3
Addtion :10
```

## Problem: 5

Write a program to check a triangle is equilateral, isosceles or scalene. Your program

should ask the user to input x,y,z values

**Note:**

An equilateral triangle is a triangle in which all three sides are equal.

A scalene triangle is a triangle that has three unequal sides.

An isosceles triangle is a triangle with (at least) two equal sides.