CL1002 – Programming Fundamentals Lab

Exercise # 04

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 A integer from user and outputs whether the number is even or odd using **if else.**
Sample Output:
Enter an integer x: 5
5 is an odd number
OR
Enter an integer x: 12
12 is an even number

Problem: 3

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

10 is largest among three

Note:
- The program should read the three integers in main
- Create a function named largestValue(int x,int y,int z) which take three integers as input parameters
- The function will calculate the largest integer among them and return it to main.
- The program should display the largest integer in main.

Problem: 4

A university does not allow its student to sit in the exam if his/her attendance is less than 80% in any course/lab.

Write a program to ask a student about total number of classes scheduled by instructor during the whole semester and total number of classes he/she attended during the whole semester. Now pass both integers to a function named **calculateAttendance(int classesAttended, int classesTotal)** which should calculate, display the attendance and print the decision if he/she is allowed to sit in the exam or not.

Sample Output:

Enter total classes scheduled: 10

Enter total classes attended: 9

Your attendance is: 90%

You are allowed to sit in the exam