Faculty of Engineering, University of Jaffna

Department of Computer Engineering

EC2010: Computer Programming

Lab 07

Lecturer: Dr, J. Jananie

Instructors:

1. First, create a CPPproject and name it Lab07-RegNo, replacing the term RegNo with your RegNo.
2. Starting at the topmost line of the file, insert the following minimally required documentation, filling in your name, Reg_No, the assignment number, due date and a brief description of what the program will do. You must select one of the two forms of certification of Authenticity. Submissions not including a certification of authenticity will not be graded.

// Your Name
// Your RegNo
// EC2010
//Group: [Insert the number]
// Lab: [Insert the number]
// Program Description: [insert brief description here]
// Certificate of Authenticity: (choose one from below)
// I certify that the code in the method function main of this project
// is entirely my own work.
(or)
// I certify that the code in method function main of this project is
// entirely my own work, but I received assistance from [insert name/book/lectureslides].

// Follow this with a description of the type of assistance..

3. Check whether the Enter the value is odd or even using pointers ?

4.Find the length of the String your String is "Hello I am Programming langugae"?

5. Write a program that declares three one-dimensional arrays named miles, gallons, and mpg. Each array should be capable of holding 10 elements. In the miles array, store the numbers 240.5, 300.0, 189.6, 310.6, 280.7, 216.9, 199.4, 160.3, 177.4, and 192.3. In the gallons array, store the numbers 10.3, 15.6, 8.7, 14, 16.3, 15.7, 14.9, 10.7, 8.3, and 8.4. Each element of the mpg array should be calculated as the corresponding element of the miles array divided by the equivalent element of the gallons array: for example, **mpg[0] =miles[0] / gallons[0].** Use **pointers** when calculating and displaying the elements of the mpg array.

Create a zip file in a format of Lab07-Regno-Coursecode including all your code folders and pdf answer sheets.
Upload the zip file on/before given deadline via team.
Any plagiarized work will be given 0 marks.