

Faculty of Engineering, University of Jaffna

Department of Computer Engineering

EC2010: Computer Programming

Lab 03

Lecturer: Dr, J. Jananie

Instructors:

1. First, create a C++ project and name it Lab03-RegNo, replacing the term RegNo with your University-issued 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. You need to submit the source codes and the PDF (Output screenshots only). Consider input validation for each question if needed.

1. Implement a C++ program for a user who wants to check his/her eligibility to be a blood donor. The interface collects the details such as first name, last name, age, weight, and blood group. After that, it checks for the following conditions.
 - a. Age must be greater than 30 then the donor is eligible.
 - b. If the age is less than 30 then check the weight should be greater than 44 kg.
 - c. If the weight is also less than 44 then the donor is not eligible.
 - d. If the weight is greater than 44 then the donor is eligible.

Then the program should display all user inputs and the eligibility as a donor.

2. Write a C++ program to get the number of days in a particular month using switch case .
3. Read 10 numbers from user and find the summation of positive numbers using,
 - a. For Loop
 - b. while loop .
 - c. do-while loop.

Eg:

Enter 10 numbers: 2 5 3 8 7 4 3 8 9 4

Summation: 53

Create a zip file in a format of Lab3-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