

Assignment 1

Recap of programming concepts

Purpose of this assignment is to recap on different programming concepts in C++.

Write a menu driven program to maintain student record in C++. The program should have the following functionalities.

- It should keep students first and last name in two separate variables.
- The student roll number is of the form CS16BXXX, where XXX stands for a 0 preceded number, e.g. 009, 012, 101.
- A student is registered to 5 courses. The program should be able to hold the marks of the individual subjects.

The program should have the following functions in it (apart from the main() function)

- SetStudRec(): to set the details of a student
- GetIndStudRec(): to get the details of an individual student record
- GetAllStudRec(): to get details of all the students
- GetAvgMarks(): to get average marks of a given subject

The menu should look like the following

1. Set Student Record
2. Get Individual student record
3. Get All Students' record
4. Get Average of a subject
5. Exit

Hint:

- For option 2 the program should prompt the user to enter roll number
- For option 4 the program should prompt the user to enter subject index/ code.