

BIL 142 LAB 2

Design a “Student” class which has 3 private **const** member fields (Improvements upon previous lab).

- Write a default constructor for newly admitted students.(initialize members fields according to yourself for this constructor)
- Write another constructor which takes all 3 member fields as input parameters for students who finished their class.

Member Fields

All of them must be **const** and do not add any new member fields .

- Student No (int)
- A Midterm Grade (double)
- A Final Grade (double)

Member Functions

You have to make sure the calling object(class) is **never altered** by a member function.

- Getter functions for all member fields.
- ComputeYearEndGrade(), takes no input parameter and calculated by
(%40 Midterm Grade) + (%60 Final Grade)

Implement

Below function must take input parameters as **pass by reference** and you have to make sure that input parameters **cannot be modified** inside the function

- CompareStudents(_____ Student1, _____ Student2) function via “friend” method, and it will return student class of the student with better year end grade. In case of equal year end grade return student class of the student with better Final grade.

Important: Add comments to your code and at the top of your code note which compiler you're using in a comment

Suggestion: Writing a main function which tests constructors and all functions can be useful.

Upload your codes as zip file to ‘uzak’.(deadline 21:10)