Web Engineering Lab

Lab 02   **Marks 100**

Instructions

Work on this quiz/lab individually.

You are **NOT** allowed to use internet, mobile phone.

You are **NOT** allowed to borrow anything from your peer student.

What you have to do

Program the following tasks. The name of your files will be according to the task given in this lab.

Task 1   [100]

You are supposed to build a Record System for our class with following activities:

- View record
- Add a new record
- Update existing record
- Delete existing record

Create a class **Student** with attributes `ID/roll-no, name, age, gender, and CGPA.`

Your program must ask for the total number of students in a class as an input, and create an array to contain their records. Display a menu (using switch and infinite-loop) to add, view, delete or exit.

`int addStudent()`: Input the required data and store it into next empty index of array. The ID/roll-no must be the index of array.
Your program must return the ID/roll-no (index) where data is stored or -1 (as an error message) if no space is available.

`viewStudent()`: Your program must ask for the ID/roll-no and show the particular record (index). Display an error message accordingly.

`deleteStudent()`: Your program must ask for the ID/roll-no and free the particular record (index). Display an error message accordingly.

`updateStudent()`: Your program must ask for the ID/roll-no and update the particular record (index). Display an error message accordingly.

Write a **main()** to show the execution of your code.

Instruction:

- Use GUI components for input and output.

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