

Assignment 2

Write a C++ program that allows a record officer to manage G2 Software Engineering student's SEng. 2021 course midterm exam score.

Requirements:

- 1) Read *students name* from `StudentsName.txt` file, and store in a dynamic array
- 2) Read *students mark* from `StudentsMark.txt` file, and store in a dynamic array
- 3) Your proposed program also should consist of at least the following *two functions*:

a) `getIndex()`

This function is used *to search* whether a given student is available in the database or not.

When a student is found in the database, then it returns the index at which the student is found in the students name list, otherwise returns `-1` when not found.

b) `display()`

This function is used *to display* a given student's name and mark in a *formatted manner* when a student being searched was actually found in the list of students name.

A student mark should be *always* displayed with *two digits* after decimal point, and also rounded-up when marks have more than two digits after their decimal point (e.g., `45.676` appeared as `45.68`).

Graphical User Interfaces:

```
**** Student Database ****
```

```
Please enter the student's first name [enter 'None' to exit]: abebe  
abebe is not found!
```

```
**** Student Database ****
```

```
Please enter the student's first name [enter 'None' to exit]: Abebe  
Abebe Ayele's midterm exam score is 10.00.
```