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| **LAB101Assignment** | **Type:** | **LongAssignment** |
| **Code:** |  |
| **LOC:** | **100** |
| **Slot(s):** | **4** |

**Title**

Manage student

**Background Context**

NA

**Program Specifications**

Create a program to manage students, student information includes:

* Student code
* Student name
* Date of birth
* Learning point

Student information isinput from keyboard and stored in a text file name “Student.txt”

The program allows user enter new students, look up student and display student list.

***Function details:***

1. Main menu for program as below:

1. Enter student list

2. Look up student

3. Display student list

4. Exit

The program will implement corresponding function base on the number user input, user press 1 then the program implement function for menu “Enter student list”, press 2 then the program run “Look up student”, press 3 the program run “Display student list”, press 4 then exit.

Menu must be display the first when running the program.

1. Enter student list:this function is implement when choose menu “Enter student list”, student information is stored in a text file name “Student.txt”. Student list in the text file must be sorted in student name ascending order.
2. Look up student: this function is implement when choose menu “Look up student”, look up studentbase on student name input from keyboard, display found student information on the screen
3. Display student list: this function is implement when choose menu “Display student list”, all students from the file will be display on the screen.

***Expectation of User interface:***

Menu of the program display the first must be as below:

*1. Enter student list*

*2. Look up student*

*3. Display student list*

*4. Exit*

*Please choose menu (1 – 4):*

* When user press 1 the program display:

*Enter new student:*

*Student code: SV001*

*Student name: Ana*

*Date of birth: 11-Jan-1991*

*Learning point: 3.7*

*Press enter to continue, Esc to return the main menu*

* When user press 2:

*Please enter student name: Jonh*

If found then display student information name jonh:

*Student code: SV001*

*Student name: Jonh Mark*

*Date of birth: 12-Jan-1990*

*Learning point: 4.3*

*Press enter to continue, Esc to return the main menu*

* When user press 3:

*Student list:*

*---------------------------*

*Student code: SV001*

*Student name: Nam*

*Date of birth: 11-Nov-1994*

*Learning point: 3.5*

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*Student code: SV002*

*Student name: Binh*

*Date of birth: 02-May-1994*

*Learning point: 3.6*

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*Press enter to continue, Esc to return the main menu*

* When user press 4: exit the program

**Guidelines**

* When store student information in the text file should be setup mark-point to separate data between students, for example: Mark-point is ‘#’