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Course: Learn in depth

Instructor: Eng. Keroles Khalil

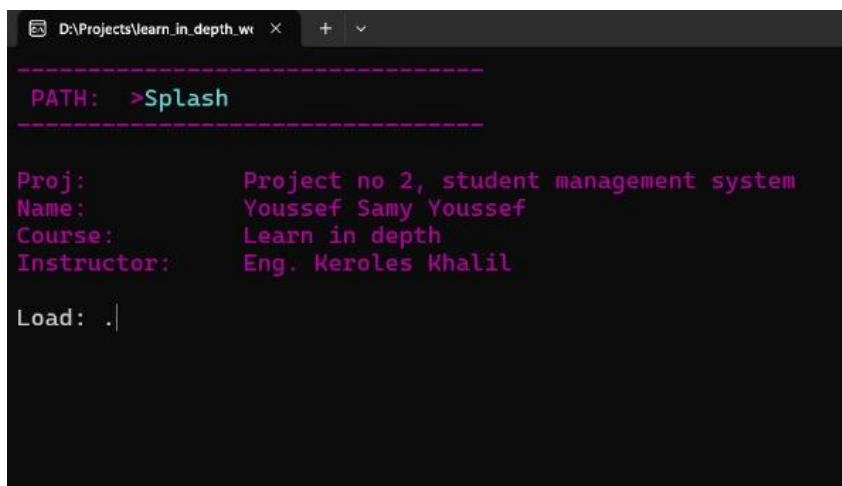Project: Student Management system (language: C)

Program Language: C

IDE: Clion

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Screenshots:

*Splash screen:*

**Home:**
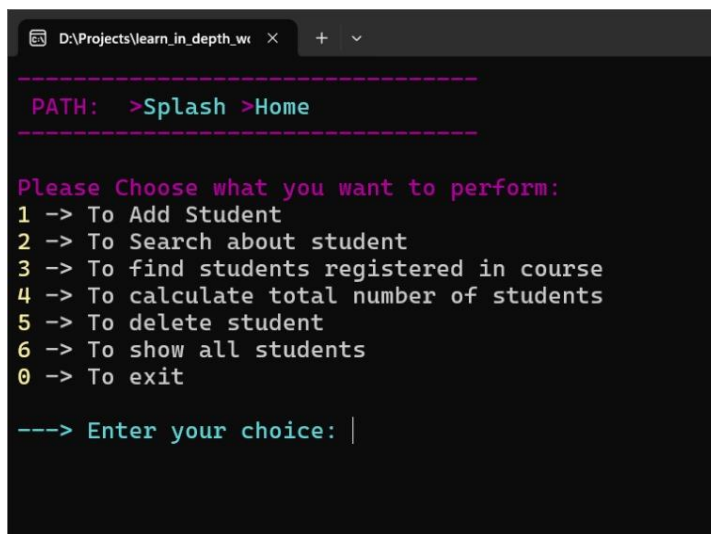
## Add Student Manual

## Add student from file



```
students.txt ×
1    10 joe samy        3.5 1 2 3 4 5
2    11 ahmed nour      2.0 1 2 3 4 5
3    12 ali omar        4.5 1 2 3 4 5
4    13 kerloes khalil  5.0 2 3 4 5 6
5    14 mohammed amr    1.5 2 3 4 5 6
```



```
D:\Projects\learn_in_depth_w×   +   ∨

------------------------------------
 PATH:  >Splash >Home >Add Student
------------------------------------


Please Choose how to add student:
1 -> To Add Student Manually
2 -> To Read from file
0 -> To return to previous screen

---> Enter your choice: 2
Manually
Add Student: joe samy
Roll ID: 10
Status: Success

Add Student: ahmed nour
Roll ID: 11
Status: Success

Add Student: ali omar
Roll ID: 12
Status: Success

Add Student: kerloes khalil
Roll ID: 13
Status: Success

Add Student: mohammed amr
Roll ID: 14
Status: Success
```

```
1 -> To Add Student Manually
2 -> To Read from file
0 -> To return to previous screen

---> Enter your choice: 2
Manually
Add Student: joe samy
Roll ID: 10
Status: Success

Add Student: ahmed nour
Roll ID: 11
Status: Success

Add Student: ali omar
Roll ID: 12
Status: Success

Add Student: kerloes khalil
Roll ID: 13
Status: Success

Add Student: mohammed amr
Roll ID: 14
Status: Success


Whats next:
1 -> Reload the current screen
0 -> Return to menu screen

---> Enter your choice:
```

# Search about students with name

**Search with roll ID**

```
------------------------------------
 PATH:  >Splash >Home >Find Student
------------------------------------


Please Choose what field you want to search with:
1 -> By first name
2 -> By roll ID
0 -> to return screen

---> Enter your choice: 2

---> Enter roll ID: 100

The student is found in DATABASE
first Name: mohamed
last Name: abdo
Roll ID: 100
GPA: 3.400000
Courses ID: 1 2 3 4 5

Whats next:
1 -> Reload the current screen
0 -> Return to menu screen

---> Enter your choice: |
```

**Find students registered in specific course**

---> Enter course ID to get students registered in: 1
first Name: mohamed
last Name: abdo
Roll ID: 100
GPA: 3.400000
Courses ID: 1 2 3 4 5

first Name: joe
last Name: samy
Roll ID: 10
GPA: 3.500000
Courses ID: 1 2 3 4 5

first Name: ahmed
last Name: nour
Roll ID: 11
GPA: 2.000000
Courses ID: 1 2 3 4 5

first Name: ali
last Name: omar
Roll ID: 12
GPA: 4.500000
Courses ID: 1 2 3 4 5

Whats next:

```
---> Enter course ID to get students registered in: 1
first Name: mohamed
last Name: abdo
Roll ID: 100
GPA: 3.400000
Courses ID: 1 2 3 4 5

first Name: joe
last Name: samy
Roll ID: 10
GPA: 3.500000
Courses ID: 1 2 3 4 5

first Name: ahmed
last Name: nour
Roll ID: 11
GPA: 2.000000
Courses ID: 1 2 3 4 5

first Name: ali
last Name: omar
Roll ID: 12
GPA: 4.500000
Courses ID: 1 2 3 4 5


Whats next:
1 -> Reload the current screen
0 -> Return to menu screen

---> Enter your choice:
```

## Count Students



```
────────────────────────────────────
 PATH:   >Splash >Home >Count Students
────────────────────────────────────


The total number of students is: 6

Please Choose what you want to perform:
1 -> To refresh screen
0 -> To return screen
Choice: |
```

## Delete Students



```
────────────────────────────────────
 PATH:   >Splash >Home >Delete Students
────────────────────────────────────


Enter roll ID to delete student,
Enter or -1 to return screen:  100
Do you want to delete "mohamed abdo", Are you sure?
Enter 1 to delete:  1
Student Removed Successfully
|
```



```
────────────────────────────────────
 PATH:   >Splash >Home >Delete Students
────────────────────────────────────


Enter roll ID to delete student,
Enter or -1 to return screen:   10000
Failed, Thd ID is not found
|
```

**Show all students**

```
-----------------------------------
 PATH:   >Splash >Home >Show all
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Show all students:

first Name: joe
last Name: samy
Roll ID: 10
GPA: 3.500000
Courses ID: 1 2 3 4 5

first Name: ahmed
last Name: nour
Roll ID: 11
GPA: 2.000000
Courses ID: 1 2 3 4 5

first Name: ali
last Name: omar
Roll ID: 12
GPA: 4.500000
Courses ID: 1 2 3 4 5

first Name: kerloes
last Name: khalil
Roll ID: 13
GPA: 5.000000
Courses ID: 2 3 4 5 6

first Name: mohammed
last Name: amr
```

```
first Name: joe
last Name: samy
Roll ID: 10
GPA: 3.500000
Courses ID: 1 2 3 4 5

first Name: ahmed
last Name: nour
Roll ID: 11
GPA: 2.000000
Courses ID: 1 2 3 4 5

first Name: ali
last Name: omar
Roll ID: 12
GPA: 4.500000
Courses ID: 1 2 3 4 5

first Name: kerloes
last Name: khalil
Roll ID: 13
GPA: 5.000000
Courses ID: 2 3 4 5 6

first Name: mohammed
last Name: amr
Roll ID: 14
GPA: 1.500000
Courses ID: 2 3 4 5 6


---> Enter 0 to return to previous screen: |
```

**THE END**