

**Name: Youssef Samy Youssef**

**Email: yosefsamy019@gmail.com**

**Course: Learn in depth**

**Instructor: Eng. Keroles Khalil**

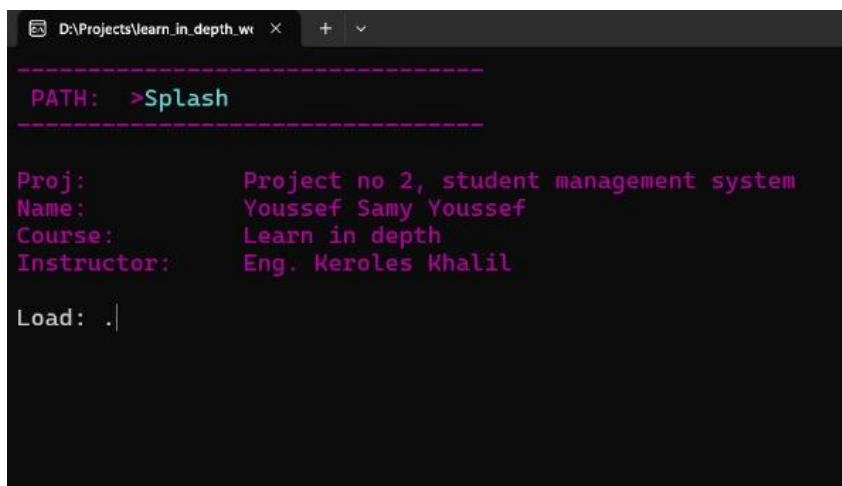
**Project: Student Management system (language: C)**

**Program Language: C**

**IDE: Clion**

### Screenshots:

*Splash screen:*

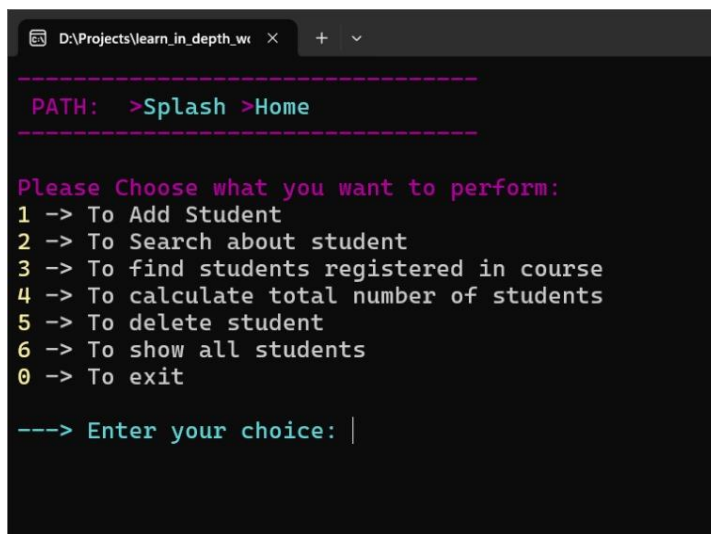


```
D:\Projects\Learn_in_depth_wx >SpLash

Proj:      Project no 2, student management system
Name:      Youssef Samy Youssef
Course:    Learn in depth
Instructor: Eng. Keroles Khalil

Load: .|
```

Home:



```
D:\Projects\learn_in_depth_w... x + v
=====
PATH:  >Splash >Home
=====

Please Choose what you want to perform:
1 -> To Add Student
2 -> To Search about student
3 -> To find students registered in course
4 -> To calculate total number of students
5 -> To delete student
6 -> To show all students
0 -> To exit

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

## Add Student Manual

```
D:\Projects\learn_in_depth_w... X + v

=====
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: |
```

```
D:\Projects\learn_in_depth_w... X + v - □ X

=====
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: 1
Manually

---> Enter first name: mohamed

---> Enter last name: abdo

---> Enter roll id: 100

---> Enter GPA: 3.4

---> Enter Course ID [ 1 ] :1
---> Enter Course ID [ 2 ] :2
---> Enter Course ID [ 3 ] :3
---> Enter Course ID [ 4 ] :4
---> Enter Course ID [ 5 ] :5

Student Added Successfully
|
```

## Add student from file

1	10	joe samy	3.5	1	2	3	4	5	✓ 1 ^ v
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... X + v

-----
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
```

```
D:\Projects\learn_in_depth_wi x + v
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

```
D:\Projects\learn_in_depth_wv X + -
-----
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: |
```

```
D:\Projects\learn_in_depth_wv X + -
-----
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: 1

---> Enter First name: kerloes

The student is found in DATABASE
first Name: kerloes
last Name: khalil
Roll ID: 13
GPA: 5.000000
Courses ID: 2 3 4 5 6

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

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

## Search with roll ID

```
D:\Projects\learn_in_depth_w... X + v
-----
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

```
D:\Projects\learn_in_depth_w... x + v

-----
PATH:  >Splash >Home >Search Course ID
-----

---> 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:
```



```
D:\Projects\learn_in_depth_w... x + v - □ ×  
  
---> 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

```
D:\Projects\learn_in_depth_wk  X + v

=====
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

```
D:\Projects\learn_in_depth_wk  X + v - □ X

=====
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
|
```

```
D:\Projects\learn_in_depth_wk  X + v

=====
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

```
D:\Projects\learn_in_depth_w... x + v
-----
PATH:  >Splash >Home >Show all
-----

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
```

```
D:\Projects\learn_in_depth_w... x + v - □ ×  
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