

Mastering Embedded System Online Diploma
www.learn-in-depth.com
First Term (Final Project 2)

REPORT

Project Name: Student Data Base (static)

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My Profile:

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My GitHub Profile:

https://github.com/DiaaAbayazeed/empedded_systems_online_deploma

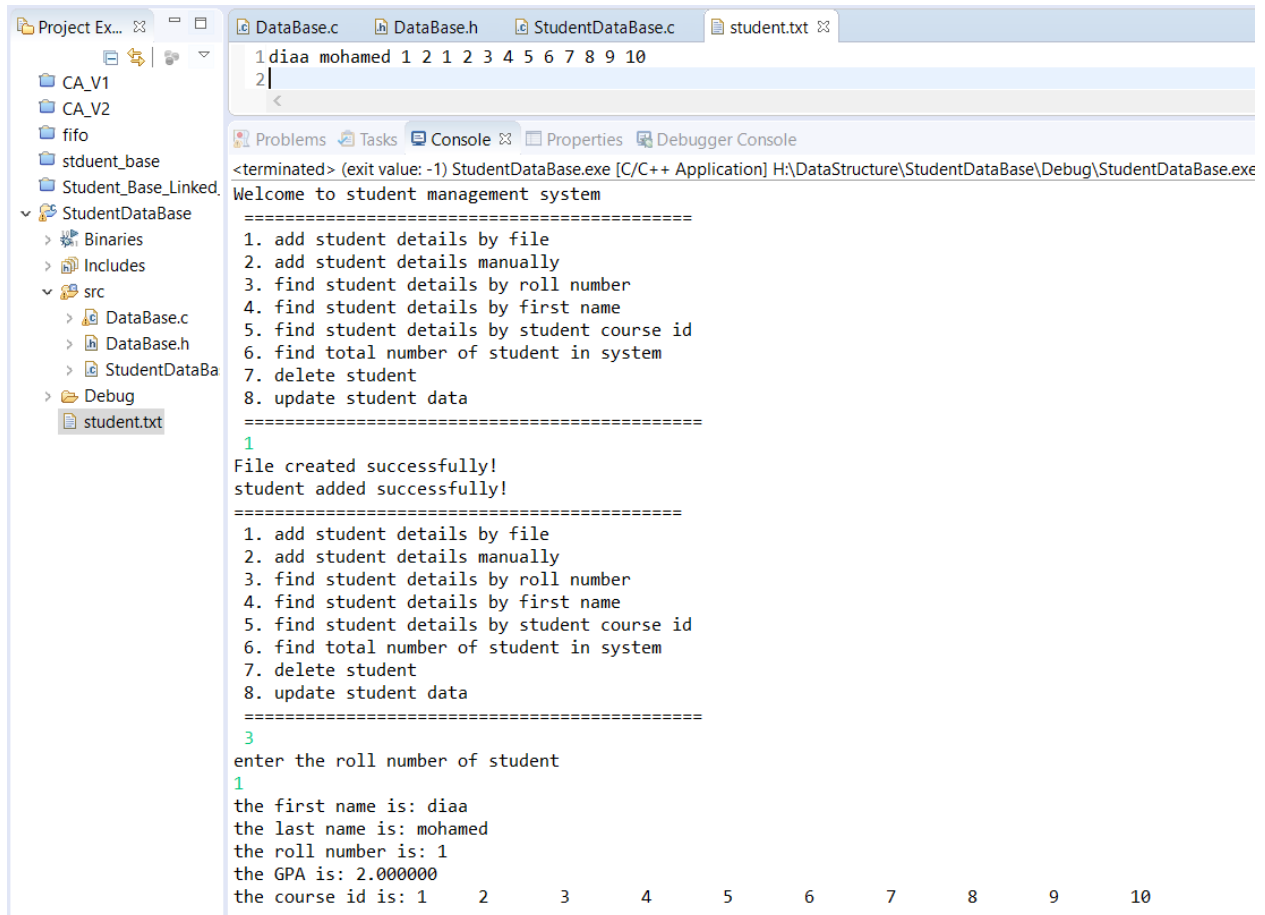
Student data base of students ,each student has his unique roll number ,the data base store student first name, last name ,roll number, GPA and courses id numbers

Screen shots of running the system

Welcome to student management system

- ```
=====
1. add student details by file
2. add student details manually
3. find student details by roll number
4. find student details by first name
5. find student details by student course id
6. find total number of student in system
7. delete student
8. update student data
=====
```

- Add student Data from File & print his number roll number



```
Project Explorer | DataBase.c | DataBase.h | StudentDataBase.c | student.txt
CA_V1
CA_V2
fifo
stduent_base
Student_Base_Linked
StudentDataBase
 Binaries
 Includes
 src
 DataBase.c
 DataBase.h
 StudentDataBa
 Debug
 student.txt

StudentDataBase.exe [C/C++ Application] H:\DataStructure\StudentDataBase\Debug\StudentDataBase.exe
Welcome to student management system
=====
1. add student details by file
2. add student details manually
3. find student details by roll number
4. find student details by first name
5. find student details by student course id
6. find total number of student in system
7. delete student
8. update student data
=====
1
File created successfully!
student added successfully!
=====
1. add student details by file
2. add student details manually
3. find student details by roll number
4. find student details by first name
5. find student details by student course id
6. find total number of student in system
7. delete student
8. update student data
=====
3
enter the roll number of student
1
the first name is: diaa
the last name is: mohamed
the roll number is: 1
the GPA is: 2.000000
the course id is: 1 2 3 4 5 6 7 8 9 10
```

## • Add students manually

```

Problems Tasks Console Properties Debugger Console
<terminated> (exit value: -1) StudentDataBase.exe [C/C++ Application] H:\DataStructur
1. add student details by file
2. add student details manually
3. find student details by roll number
4. find student details by first name
5. find student details by student course id
6. find total number of student in system
7. delete student
8. update student data
=====
2
enter the first name :mohamed
enter the last name :ahmed
enter the roll number :2
enter the GPA :3
enter the course id :1
if you want to enter new course enter 'y' else enter 'x'
y
enter the course id :2

if you want to enter new course enter 'y' else enter 'x'
x
=====
1. add student details by file
2. add student details manually
3. find student details by roll number
4. find student details by first name
5. find student details by student course id
6. find total number of student in system
7. delete student
8. update student data
=====
2
enter the first name :mahmoud
enter the last name :rashad
enter the roll number :4
enter the GPA :4
enter the course id :3
if you want to enter new course enter 'y' else enter 'x'
y
enter the course id :2

if you want to enter new course enter 'y' else enter 'x'
x

```

```

=====
1. add student details by file
2. add student details manually
3. find student details by roll number
4. find student details by first name
5. find student details by student course id
6. find total number of student in system
7. delete student
8. update student data
=====
2
enter the first name :keroles
enter the last name :karam
enter the roll number :3
enter the GPA :3.5
enter the course id :2
if you want to enter new course enter 'y' else enter 'x'
y
enter the course id :3

if you want to enter new course enter 'y' else enter 'x'
x
=====
1. add student details by file
2. add student details manually
3. find student details by roll number
4. find student details by first name
5. find student details by student course id
6. find total number of student in system
7. delete student
8. update student data
=====
2
enter the first name :fahd
enter the last name :mohamed
enter the roll number :4
the roll number is exist
enter the roll number :5
enter the GPA :3.5
enter the course id :2
if you want to enter new course enter 'y' else enter 'x'
x

```

## • Find student by his first name

```
=====
1. add student details by file
2. add student details manually
3. find student details by roll number
4. find student details by first name
5. find student details by student course id
6. find total number of student in system
7. delete student
8. update student data
=====
4
enter the first name of student
mohamed
the first name is: mohamed
the last name is: ahmed
the roll number is: 2
the GPA is: 3.000000
the course id is: 1 2 0 0 0 0 0 0 0 0

```

## • Find students that share the same course ID

Problems Tasks Console Properties Debugger Console

```
<terminated> (exit value: -1) StudentDataBase.exe [C/C++ Application] H:\DataStructure\StudentDataBase\Debug\StudentDataBase.exe
2. add student details manually
3. find student details by roll number
4. find student details by first name
5. find student details by student course id
6. find total number of student in system
7. delete student
8. update student data
=====
5
enter the course number
2
the first name is: diaa
the last name is: mohamed
the roll number is: 1
the GPA is: 2.000000
the course id is: 1 2 3 4 5 6 7 8 9 10
the first name is: mohamed
the last name is: ahmed
the roll number is: 2
the GPA is: 3.000000
the course id is: 1 2 0 0 0 0 0 0 0 0
the first name is: keroles
the last name is: karam
the roll number is: 3
the GPA is: 3.500000
the course id is: 2 3 0 0 0 0 0 0 0 0
the first name is: mahmoud
the last name is: rashad
the roll number is: 4
the GPA is: 4.000000
the course id is: 3 2 0 0 0 0 0 0 0 0
the first name is: fahd
the last name is: mohamed
the roll number is: 5
the GPA is: 3.500000
the course id is: 2 0 0 0 0 0 0 0 0 0

```

## • Number of the students

```
=====
1. add student details by file
2. add student details manually
3. find student details by roll number
4. find student details by first name
5. find student details by student course id
6. find total number of student in system
7. delete student
8. update student data
=====
6
the number of student in list is :5
```

## • Delete Student

```

1. add student details by file
2. add student details manually
3. find student details by roll number
4. find student details by first name
5. find student details by student course id
6. find total number of student in system
7. delete student
8. update student data
=====
7
enter the roll number of student that you want to deleted
4
.....the student is deleted.....
```

## • find it by his roll number

```
=====
1. add student details by file
2. add student details manually
3. find student details by roll number
4. find student details by first name
5. find student details by student course id
6. find total number of student in system
7. delete student
8. update student data
=====
3
enter the roll number of student
4
student not found
```

## • Update data of student

```
=====
1. add student details by file
2. add student details manually
3. find student details by roll number
4. find student details by first name
5. find student details by student course id
6. find total number of student in system
7. delete student
8. update student data
=====
8
enter the roll number of student
3
1-first name
2-last name
3-roll number
4-GPA
1
enter the new name: khaled
the first name is: khaled
the last name is: karam
the roll number is: 3
the GPA is: 3.500000
the course id is: 2 3 0 0 0 0 0 0 0
=====
```