second project

Ahmed Hassan Kotp

ahmedhassanqutp2015@gmail.com
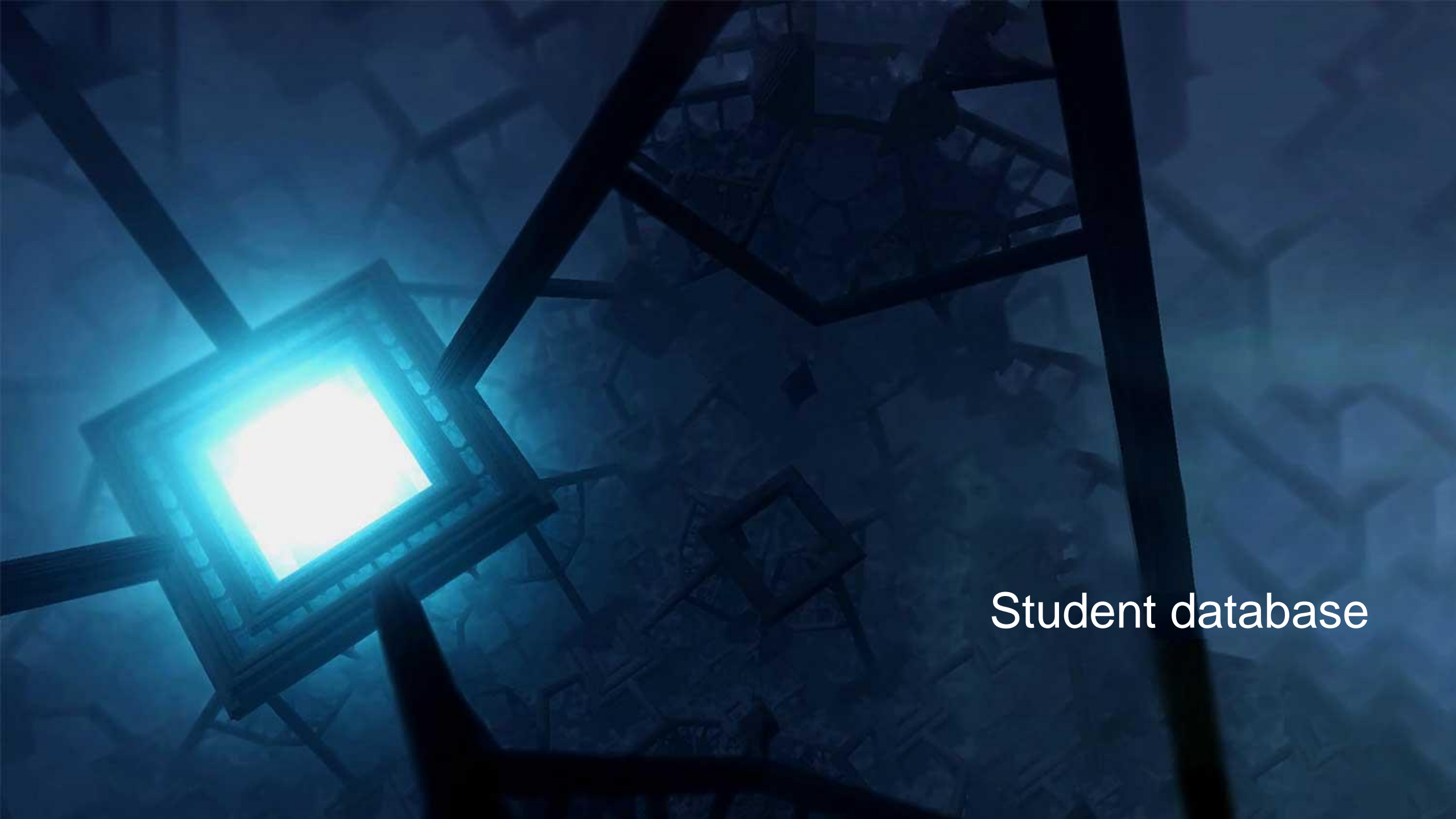
Student database

Instuctions

```
**********************************************
*              * student Data Base *           *
**********************************************


Enter your choice
      1 - Add student details manually
      2 - Add student details from file
      3 - find student details by roll number
      4 - find student details by first name
      5 - find student details by course id
      6 - find total number of students
      7 - Delete the student details by Roll number
      8 - Updata the student details by Roll number
      9 - Show all information
      10- EXIT
?
```

Add student mannualy


```
enter your first name: ahmed
enter your last name: kotp
enter your roll number: 1
  * this roll number is used or wrong Please enter another ID: 5
enter your gpa: 3.54
enter 1st coure id: 2
enter 2st coure id: 6
enter 3st coure id: 5
enter 4st coure id: 1
enter 5st coure id: 4
Press any key to continue . . .
```

Add student from file

```
        * all students from file are inserted *

Press any key to continue . . . _
```

fname	lname	roll numbe	GPA	1st c_id	2st c_id	3st c_id	4st c_id	5st c_id
nour	ali	6	2.35	1	5	6	9	8
ahmed	hassan	2	3.54	1	2	3	4	5
islam	hassan	1	3	1	2	5	6	4
khaled	sami	3	3.5	2	6	5	4	1
nour	sayed	4	3.1	1	2	6	5	4

```
                           * the list is *
                ************************************

 fname          lname          roll_Num          GPA     1st c_id          2st c_id          3st c_id          4st c_id          5st c_id
 ***********************************************************************************************************************************

nour            ali            6                 2.35    1                 5                 6                 9                 8


ahmed           hassan         2                 3.54    1                 2                 3                 4                 5


islam           hassan         1                 3.00    1                 2                 5                 6                 4


khaled          sami           3                 3.50    2                 6                 5                 4                 1


nour            sayed          4                 3.10    1                 2                 6                 5                 4


 ***********************************************************************************************************************************
```

Search

By roll number

```
enter your roll number: 1
          this roll number is found

          first name is: islam
          last name is: hassan
          roll number is: 1
          gpa is: 3.00
          1st coure id is: 1
          2st coure id is: 2
          3st coure id is: 5
          4st coure id is: 6
          5st coure id is: 4
Press any key to continue . . .
```

### By first name

```
enter first name: nour
          first name is: nour
          last name is: ali
          roll number is: 6
          gpa is: 2.35
          1st coure id is: 1
          2st coure id is: 5
          3st coure id is: 6
          4st coure id is: 9
          5st coure id is: 8




          first name is: nour
          last name is: sayed
          roll number is: 4
          gpa is: 3.10
          1st coure id is: 1
          2st coure id is: 2
          3st coure id is: 6
          4st coure id is: 5
          5st coure id is: 4
```
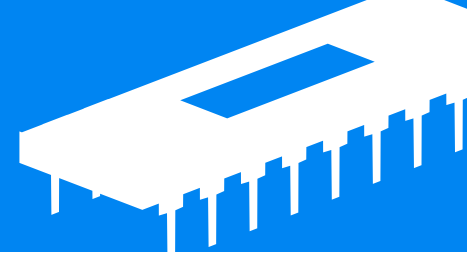
By course id

```
enter your course id: 8
          first name is: nour
          last name is: ali
          roll number is: 6
          gpa is: 2.35
          1st coure id is: 1
          2st coure id is: 5
          3st coure id is: 6
          4st coure id is: 9
          5st coure id is: 8
```
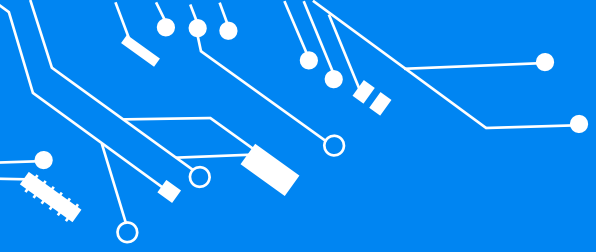
```
   number of student is 5 students

Press any key to continue . . .
```

delete

```
enter roll number that you want to delete from list: 2

        student of roll number 2 is deleted


Press any key to continue . . . _
```

```
                                    * the list is *
                          ****************************
 fname          lname          roll_Num          GPA     1st c_id     2st c_id     3st c_id     4st c_id     5st c_id
 ********************************************************************************************************************

ahmed           hassan          2                3.54    1            2            3            4            5

nour            ali             6                2.35    1            5            6            9            8

khaled          sami            3                3.50    2            6            5            4            1

nour            sayed           4                3.10    1            2            6            5            4

 ********************************************************************************************************************
Press any key to continue . . . _
```

Update


```
enter roll number: 6
        this roll number is found

        first name is: nour
        last name is: ali
        roll number is: 6
        gpa is: 2.35
        1st coure id is: 1
        2st coure id is: 5
        3st coure id is: 6
        4st coure id is: 9
        5st coure id is: 8

select what you want to updata
        1-first name
        2-last name
        3-roll number
        4-GPA
        5-cid
1
enter new first name emad

Press any key to continue . . . .
```

fname	lname	roll_Num	GPA	1st c_id	2st c_id	3st c_id	4st c_id	5st c_id
emad	ali	6	2.35	1	5	6	9	8
ahmed	hassan	2	3.54	1	2	3	4	5
islam	hassan	1	3.00	1	2	5	6	4
khaled	sami	3	3.50	2	6	5	4	1
nour	sayed	4	3.10	1	2	6	5	4

Exit and save change

```
                            **save changes**
            (1) yes                              (2) NO

 Enter your choise: 1


                *************DONE**************


Process returned 0 (0x0)    execution time : 68.826 s
Press any key to continue.
```

5st c_id	4st c_id	3st c_id	2st c_id	1st c_id	GPA	roll numbe	lname	fname
8	9	6	5	1	2.35	6	ali	emad
5	4	3	2	1	3.54	2	hassan	ahmed
4	6	5	2	1	3	1	hassan	islam
1	4	5	6	2	3.5	3	sami	khaled
4	5	6	2	1	3.1	4	sayed	nour