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Project: Student Management system (language: C)

->welcome screen

```
Welcome to Our Student Management System
Choose The Task that you want to perform
1. Add the Student Details Manually
2. Add the Student Details From Text File
3. Find the Student Details by Roll Number
4. Find the Student Details by First Name
5. Find the Student Details by Course Id
6. Find the Total number of Students
7. Delete the Students Details by Roll Number
8. Update the Students Details by Roll Number
9. Show all information
10. To Exit
Enter your choice to perform the task:
```

->database file .txt

```
database.txt - Notepad
File Edit Format View Help
1 esraa abdelgaber 3.14 1 2 3 4
2 yossif abdelgaber 3.8 3 4 5 6
1 Aalaa abdelgaber 3.8 7 8 9 10
```

->add student from file

```
Choose The Task that you want to perform
1. Add the Student Details Manually
2. Add the Student Details From Text File
3. Find the Student Details by Roll Number
4. Find the Student Details by First Name
5. Find the Student Details by Course Id
6. Find the Total number of Students
7. Delete the Students Details by Roll Number
8. Update the Students Details by Roll Number
9. Show all information
10. To Exit
Enter your choice to perform the task:2
=====

cant add Aalaa another with the same roll number exist
Students added from file successfully.
-----
Number of students enrolled 2
```

->add student manually:

```
Choose The Task that you want to perform
1. Add the Student Details Manually
2. Add the Student Details From Text File
3. Find the Student Details by Roll Number
4. Find the Student Details by First Name
5. Find the Student Details by Course Id
6. Find the Total number of Students
7. Delete the Students Details by Roll Number
8. Update the Students Details by Roll Number
9. Show all information
10. To Exit
Enter your choice to perform the task:1
=====

enter student roll number ,first name , second name , gpa
3 aalaa gaber 4
enter the student Courses id
3 4 5 6
```

->find student from roll number

```
Choose The Task that you want to perform
1. Add the Student Details Manually
2. Add the Student Details From Text File
3. Find the Student Details by Roll Number
4. Find the Student Details by First Name
5. Find the Student Details by Course Id
6. Find the Total number of Students
7. Delete the Students Details by Roll Number
8. Update the Students Details by Roll Number
9. Show all information
10. To Exit
Enter your choice to perform the task:3
=====

enter student roll number
2
name:yossif abdelgaber
gpa :3.800000
courses 3 4 5 6
```

->find student by first name

```
8. Update the Students Details by Roll Number
9. Show all information
10. To Exit
Enter your choice to perform the task:4
=====

enter student first name
aaa
No student with this name Choose The Task that you want to perform
1. Add the Student Details Manually
2. Add the Student Details From Text File
3. Find the Student Details by Roll Number
4. Find the Student Details by First Name
5. Find the Student Details by Course Id
6. Find the Total number of Students
7. Delete the Students Details by Roll Number
8. Update the Students Details by Roll Number
9. Show all information
10. To Exit
Enter your choice to perform the task:4
=====

enter student first name
esraa
name:esraa abdelgaber
gpa :3.140000
courses 1 2 3 4
```



->find student share the same course

```
Choose The Task that you want to perform
1. Add the Student Details Manually
2. Add the Student Details From Text File
3. Find the Student Details by Roll Number
4. Find the Student Details by First Name
5. Find the Student Details by Course Id
6. Find the Total number of Students
7. Delete the Students Details by Roll Number
8. Update the Students Details by Roll Number
9. Show all information
10. To Exit
Enter your choice to perform the task:5
=====

enter course number
5
name:yossif abdelgaber
gpa :3.800000
courses 3 4 5 6
name:aalaa gaber
gpa :4.000000
courses 3 4 5 6
```

->find total number of students in system

```
Choose The Task that you want to perform
1. Add the Student Details Manually
2. Add the Student Details From Text File
3. Find the Student Details by Roll Number
4. Find the Student Details by First Name
5. Find the Student Details by Course Id
6. Find the Total number of Students
7. Delete the Students Details by Roll Number
8. Update the Students Details by Roll Number
9. Show all information
10. To Exit
Enter your choice to perform the task:6
=====

Number of students enrolled 3
```

->delete student from the system

```

Choose The Task that you want to perform
1. Add the Student Details Manually
2. Add the Student Details From Text File
3. Find the Student Details by Roll Number
4. Find the Student Details by First Name
5. Find the Student Details by Course Id
6. Find the Total number of Students
7. Delete the Students Details by Roll Number
8. Update the Students Details by Roll Number
9. Show all information
10. To Exit
Enter your choice to perform the task:7
=====

Enter the roll number of the student to delete: 3
Student with roll number 3 deleted successfully

```

->show all data

```

3. Find the Student Details by Roll Number
4. Find the Student Details by First Name
5. Find the Student Details by Course Id
6. Find the Total number of Students
7. Delete the Students Details by Roll Number
8. Update the Students Details by Roll Number
9. Show all information
10. To Exit
Enter your choice to perform the task:9
=====

Number of students enrolled 2
name:esraa abdelgaber
gpa :3.140000
courses 1 2 3 4
name:yossif abdelgaber
gpa :3.800000
courses 3 4 5 6

```

->update student data (here I update gpa )

```
enter student roll number
1
name:esraa abdelgaber
gpa :3.140000
courses 1 2 3 4
wanna to edit
1)first name
2)second name
3)gpa
3
4
Choose The Task that you want to perform
1. Add the Student Details Manually
2. Add the Student Details From Text File
3. Find the Student Details by Roll Number
4. Find the Student Details by First Name
5. Find the Student Details by Course Id
6. Find the Total number of Students
7. Delete the Students Details by Roll Number
8. Update the Students Details by Roll Number
9. Show all information
10. To Exit
Enter your choice to perform the task:9
=====

Number of students enrolled 2
name:esraa abdelgaber
gpa :4.000000
courses 1 2 3 4
```