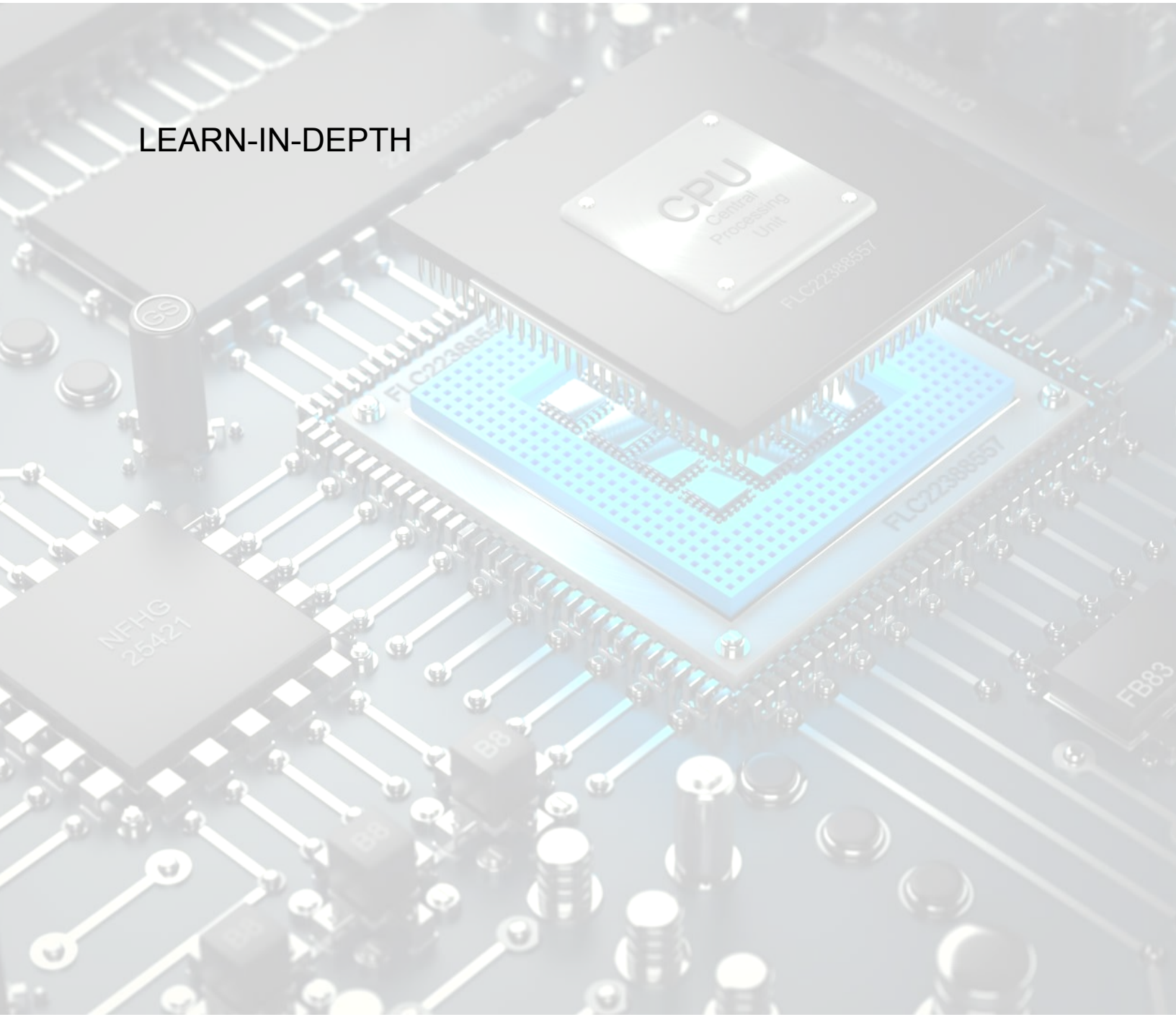
FirstTerm Project 2

Student DataBase



LEARN-IN-DEPTH

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At this project there are 10 main functions:

1. Adding students manually
2. Adding students from a file.txt
3. Search for students by roll number
4. Search for students by first name
5. Find who is enrolled in a certain course
6. View the total number of students in the database
7. Delete a Student from the data base
8. Update Student data
9. Show all the DATA in the database
10. Exit the app

Testing for every function:

1-Adding student manually

```
D:\COURSE\Assignments\Firs
6. View the total number of students
7. Delete a certain student by Roll number
8. Update Student details by Roll number
9. Show all information
10. EXIT
 Enter your choice to perform the task
1
Add Student Details
Enter the Roll Number
18
Enter First name of the student:
ahmed
Enter Last name of the student:
ayman
Enter the GPA you obtained
3.5
Enter the courses id
course 1 id :
1
course 2 id :
2
course 3 id :
3
course 4 id :
4
course 5 id :
5
Student Details are added successfully
the total number of students is : 1
you can add up to 50 students
you can add more about 49 students
-------------------StudentProject-------------------------
Choose A number from what is shown blow
1. Add the Student Details manually
2. Add the Student Details from a file
3. Search for student by roll number
4. Search for student details by name
5. Find who is enrolling in a certain course by id
6. View the total number of students
7. Delete a certain student by Roll number
```

2-Adding Students from file:

```
D:\COURSE\Assignments\Firs
Welcome to the Student Management System
-------------------StudentProject-------------------------
Choose A number from what is shown blow
1. Add the Student Details manually
2. Add the Student Details from a file
3. Search for student by roll number
4. Search for student details by name
5. Find who is enrolling in a certain course by id
6. View the total number of students
7. Delete a certain student by Roll number
8. Update Student details by Roll number
9. Show all information
10. EXIT
 Enter your choice to perform the task
2
_______FILE END______
____4 Students are successfully added ____ -------------------StudentProject-------------------------
Choose A number from what is shown blow
1. Add the Student Details manually
2. Add the Student Details from a file
3. Search for student by roll number
4. Search for student details by name
5. Find who is enrolling in a certain course by id
6. View the total number of students
7. Delete a certain student by Roll number
8. Update Student details by Roll number
9. Show all information
10. EXIT
 Enter your choice to perform the task
```

3-Search for student by rollnumber:

```
3. Search for student by roll number
4. Search for student details by name
5. Find who is enrolling in a certain course by id
6. View the total number of students
7. Delete a certain student by Roll number
8. Update Student details by Roll number
9. Show all information
10. EXIT
 Enter your choice to perform the task
3
Enter student roll number
1
The number you entered is not found
-------------------StudentProject-------------------------
Choose A number from what is shown blow
1. Add the Student Details manually
2. Add the Student Details from a file
3. Search for student by roll number
4. Search for student details by name
5. Find who is enrolling in a certain course by id
6. View the total number of students
7. Delete a certain student by Roll number
8. Update Student details by Roll number
9. Show all information
10. EXIT
 Enter your choice to perform the task
3
Enter student roll number
18
Stundet's roll number is 18
Student first name is ahmed
Student Last name is ayman
Student GPA is 3.500000
enrolled    course 1
enrolled    course 2
enrolled    course 3
enrolled    course 4
enrolled    course 5
-------------------StudentProject-------------------------
Choose A number from what is shown blow
```

4-Search for student by name:

```
3. Search for student by roll number
4. Search for student details by name
5. Find who is enrolling in a certain course by id
6. View the total number of students
7. Delete a certain student by Roll number
8. Update Student details by Roll number
9. Show all information
10. EXIT
 Enter your choice to perform the task
3
Enter student roll number
1
The number you entered is not found
-------------------StudentProject-------------------------
Choose A number from what is shown blow
1. Add the Student Details manually
2. Add the Student Details from a file
3. Search for student by roll number
4. Search for student details by name
5. Find who is enrolling in a certain course by id
6. View the total number of students
7. Delete a certain student by Roll number
8. Update Student details by Roll number
9. Show all information
10. EXIT
 Enter your choice to perform the task
3
Enter student roll number
18
Stundet's roll number is 18
Student first name is ahmed
Student Last name is ayman
Student GPA is 3.500000
enrolled    course 1
enrolled    course 2
enrolled    course 3
enrolled    course 4
enrolled    course 5
-------------------StudentProject-------------------------
Choose A number from what is shown blow
```

5-Search who is enrolled in a certain course:

```
D:\COURSE\Assignments\Firs
9. Show all information
10. EXIT
 Enter your choice to perform the task
5
Enter Course id
1
Student Roll number is 18
Student last name is ayman
Student GPA is 3.50
enrolled    course 1
enrolled    course 2
enrolled    course 3
enrolled    course 4
enrolled    course 5
Student Roll number is 1
Student last name is elsherbeeny
Student GPA is 3.50
enrolled    course 1
enrolled    course 2
enrolled    course 3
enrolled    course 4
enrolled    course 5
Student Roll number is 5
Student last name is mohamed
Student GPA is 3.50
enrolled    course 1
enrolled    course 3
enrolled    course 4
enrolled    course 6
enrolled    course 5
Student Roll number is 3
Student last name is alaa
Student GPA is 2.70
enrolled    course 1
enrolled    course 4
enrolled    course 5
enrolled    course 6
enrolled    course 8
-------------------StudentProject------------------------
Choose A number from what is shown blow
```

Activate Windows
Go to Settings to activate Windows.

6-View the total number of Students in the database:

```
D:\COURSE\Assignments\Firs
enrolled    course 5
Student Roll number is 3
Student last name is alaa
Student GPA is 2.70
enrolled    course 1
enrolled    course 4
enrolled    course 5
enrolled    course 6
enrolled    course 8
-------------------StudentProject------------------------
Choose A number from what is shown blow
1. Add the Student Details manually
2. Add the Student Details from a file
3. Search for student by roll number
4. Search for student details by name
5. Find who is enrolling in a certain course by id
6. View the total number of students
7. Delete a certain student by Roll number
8. Update Student details by Roll number
9. Show all information
10. EXIT
 Enter your choice to perform the task
6
The Total number of students is 5
You can still add up to 50
45 Students until full
-------------------StudentProject------------------------
Choose A number from what is shown blow
1. Add the Student Details manually
2. Add the Student Details from a file
3. Search for student by roll number
4. Search for student details by name
5. Find who is enrolling in a certain course by id
6. View the total number of students
7. Delete a certain student by Roll number
8. Update Student details by Roll number
9. Show all information
10. EXIT
 Enter your choice to perform the task
```

Activate Windows
Go to Settings to activate Windows.

7-Delete a Certain student by roll number:

```
D:\COURSE\Assignments\Firs
3. Search for student by roll number
4. Search for student details by name
5. Find who is enrolling in a certain course by id
6. View the total number of students
7. Delete a certain student by Roll number
8. Update Student details by Roll number
9. Show all information
10. EXIT
 Enter your choice to perform the task
6
The Total number of students is 5
You can still add up to 50
45 Students until full
-------------------StudentProject-------------------------
Choose A number from what is shown blow
1. Add the Student Details manually
2. Add the Student Details from a file
3. Search for student by roll number
4. Search for student details by name
5. Find who is enrolling in a certain course by id
6. View the total number of students
7. Delete a certain student by Roll number
8. Update Student details by Roll number
9. Show all information
10. EXIT
 Enter your choice to perform the task
7
Enter The Student Roll number you want to delete
18
Stundet's roll number is 18
Student first name is ahmed
Student Last name is ayman
Student GPA is 3.500000
enrolled    course 1
enrolled    course 2
enrolled    course 3
enrolled    course 4
enrolled    course 5
Are you sure you want to delete press 1 for yes and 2 for no
```

8-Update student data:

```
D:\COURSE\Assignments\Firs
2. Add the Student Details from a file
3. Search for student by roll number
4. Search for student details by name
5. Find who is enrolling in a certain course by id
6. View the total number of students
7. Delete a certain student by Roll number
8. Update Student details by Roll number
9. Show all information
10. EXIT
 Enter your choice to perform the task
8
Enter Student roll number
2
Stundet's roll number is 2
Student first name is reem
Student Last name is salah
Student GPA is 3.200000
enrolled    course 2
enrolled    course 3
enrolled    course 4
enrolled    course 6
enrolled    course 9
Enter the data you want to update
1. first name
2. last name
3. GPA
4. Course ID1
Enter the new first name
mohamed
Information updated succesfully
-------------------StudentProject-------------------------
Choose A number from what is shown blow
1. Add the Student Details manually
2. Add the Student Details from a file
3. Search for student by roll number
4. Search for student details by name
5. Find who is enrolling in a certain course by id
6. View the total number of students
7. Delete a certain student by Roll number
8. Update Student details by Roll number
```

9-Show all students in the data base:

```
D:\COURSE\Assignments\Firs

9. Show all information
10. EXIT
 Enter your choice to perform the task
9
Student Roll number is 1
Student First name is ahmed
Student last name is elsherbeeny
Student GPA is 3.50
enrolled    course 1
enrolled    course 2
enrolled    course 3
enrolled    course 4
enrolled    course 5
Student Roll number is 5
Student First name is mohamed
Student last name is mohamed
Student GPA is 3.50
enrolled    course 1
enrolled    course 3
enrolled    course 4
enrolled    course 6
enrolled    course 5
Student Roll number is 3
Student First name is ahmed
Student last name is alaa
Student GPA is 2.70
enrolled    course 1
enrolled    course 4
enrolled    course 5
enrolled    course 6
enrolled    course 8
Student Roll number is 2
Student First name is mohamed
Student last name is salah
Student GPA is 3.20
enrolled    course 2
enrolled    course 3
enrolled    course 4
enrolled    course 6
enrolled    course 9
Total number of students 4
```

Activate Windows
Go to Settings to activate Windows.

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Search
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8/12/2023