

[Mastering Embedded System Online Diploma](#)

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First Term (Final Project 2)
Student Management System
Eng. Salma Sherif

```
=====
Welcome to the 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 by course id
6. Find the total number of students
7. Delete the student details by roll number
8. Update the student details by roll number
9. Show all information
10. To exit
=====
Enter your choice to perform the task:
=====
```

1. Add student details from file

```
=====
Enter your choice to perform the task:
=====
2
=====
Roll number 1 is inserted successfully
=====
Roll number 2 is inserted successfully
The total number of students is : 2
You can add up to 50 students
You can add 48 more students

=====
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 by course id
6. Find the total number of students
7. Delete the student details by roll number
```

test - Notepad

File	Edit	Format	View	Help
1	salma	sherif	3.5	1 2 3 4 5
2	mariam	sherif	4	1 2 3 4 5

```
10. TO EXIT
=====
Enter your choice to perform the task:
=====
9
=====

Student First name: salma
Student Last name: sherif
Student Roll number: 1
Student GPA: 3.500000
The Course ID is 1
The Course ID is 2
The Course ID is 3
The Course ID is 4
The Course ID is 5
=====

Student First name: mariam
Student Last name: sherif
Student Roll number: 2
Student GPA: 4.000000
The Course ID is 1
The Course ID is 2
The Course ID is 3
The Course ID is 4
The Course ID is 5
=====
Choose The Task that you want to perform
```

2. Add student details manually

```
Welcome to the Student Management System
Choose The Task that you want to perform
1. Add the student details manually
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3. Find the student details by roll number
4. Find the student details by first name
5. Find the student details by by course id
6. Find the total number of students
7. Delete the student details by roll number
8. Update the student details by roll number
9. Show all information
10. To exit
=====
Enter your choice to perform the task:
=====
1

=====
Add the students details
Enter the roll number : 1

Enter the first name of student : salma

Enter the last name: sherif

Enter the GPA you obtained : 3.5

Enter the course id of each course :
Course 1 id : 1

Course 2 id : 2

Course 3 id : 3
```

```
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 by course id
6. Find the total number of students
7. Delete the student details by roll number
8. Update the student details by roll number
9. Show all information
10. To exit
=====
Enter your choice to perform the task:
=====
1

=====
Add the students details
Enter the roll number : 1

Enter the first name of student : s

Enter the last name: s

Enter the GPA you obtained : 2
```

```
Enter the GPA you obtained : 2

Enter the course id of each course :
Course 1 id : 2

Course 2 id : 2

Course 3 id : 2

Course 4 id : 2

Course 5 id : 2

=====
Roll number 1 is already taken

=====
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 by course id
6. Find the total number of students
7. Delete the student details by roll number
8. Update the student details by roll number
9. Show all information
10. To exit
=====
Enter your choice to perform the task:
<
```

```
Enter your choice to perform the task:
=====
1

=====
Add the students details
Enter the roll number : 2

Enter the first name of student : mariam

Enter the last name: sherif

Enter the GPA you obtained : 3.5

Enter the course of each course :
Course 1 id : 1

Course 2 id : 2

Course 3 id : 3

Course 4 id : 4

Course 5 id : 5

=====
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 by course id
```

3. Find the student by the given roll number

src>gcc 10.c -I Application -D Embedded diploma -D Embedded

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 by course id
6. Find the total number of students
7. Delete the student details by roll number
8. Update the student details by roll number
9. Show all information
10. To exit

=====

Enter your choice to perform the task:

=====

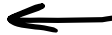
3

Enter the roll number of the student :

=====

4

Roll number 4 is not found



=====

Choose The Task that you want to perform

1. Add the student details 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 by course id
6. Find the total number of students
7. Delete the student details by roll number
8. Update the student details by roll number
9. Show all information
10. To exit

=====

Enter your choice to perform the task:

=====

3

Enter the roll number of the student :

=====

2

=====

The students details are

The first name is mariam

The last name is sherif

The GPA is 3.5

The course ID is 1

The course ID is 2

The course ID is 3

The course ID is 4

The course ID is 5

=====



4. Find the student by the given first name

```
=====
Enter your choice to perform the task:
=====
4
Enter the first name of the student : salma
[
=====
The student details are
The first name is salma
The last name is sherif
The roll number is 1
The GPA is 3.5
The course ID is 1
The course ID is 2
The course ID is 3
The course ID is 4
The course ID is 5
=====
```

```
=====
The student details are
The first name is salma
The last name is kamel
The roll number is 3
The GPA is 2.0
The course ID is 1
The course ID is 2
The course ID is 3
The course ID is 4
The course ID is 6
=====
```

```
=====
Enter your choice to perform the task:
=====
4
Enter the first name of the student : mohamed
=====
First name mohamed is not found
=====
```

5. find the students registered in a course

```
=====
6. Find the total number of students
7. Delete the student details by roll number
8. Update the student details by roll number
9. Show all information
10. To exit
=====
Enter your choice to perform the task:
=====
5
Enter the course id :2

=====
The students details are
The first name is salma
The last name is sherif
The roll number is 1
The GPA is 3.5

=====
The students details are
The first name is mariam
The last name is sherif
The roll number is 2
The GPA is 3.5

=====
The students details are
The first name is salma
The last name is kamel
The roll number is 3
The GPA is 2.0

=====
```

```
4. Find the student details by first name
5. Find the student details by by course id
6. Find the total number of students
7. Delete the student details by roll number
8. Update the student details by roll number
9. Show all information
10. To exit
=====
Enter your choice to perform the task:
=====
5
Enter the course id :100

=====
Course ID 100 not found
=====
Choose The Task that you want to perform
```

6. count of students

SMS.exe [C/C++ Application] D:\embedded diploma\KEPO\err

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 by course id
6. Find the total number of students
7. Delete the student details by roll number
8. Update the student details by roll number
9. Show all information
10. To exit

=====
Enter your choice to perform the task:
=====

6

The total number of students is : 3
You can add up to 50 students
You can add 47 more students

9. Show all information
10. To exit
=====
Enter your choice to perform the task:
=====

9

=====
Student First name: salma
Student Last name: sherif
Student Roll number: 1
Student GPA: 3.500000
The Course ID is 1
The Course ID is 2
The Course ID is 3
The Course ID is 4
The Course ID is 5
=====

Student First name: mariam
Student Last name: sherif
Student Roll number: 2
Student GPA: 4.000000
The Course ID is 1
The Course ID is 2
The Course ID is 3
The Course ID is 4
The Course ID is 5
=====

Student First name: arwa
Student Last name: sherif
Student Roll number: 3
Student GPA: 3.000000
The Course ID is 1
The Course ID is 2
The Course ID is 3
The Course ID is 4
The Course ID is 5
=====

They are all the students in the system.

7. Delete a student

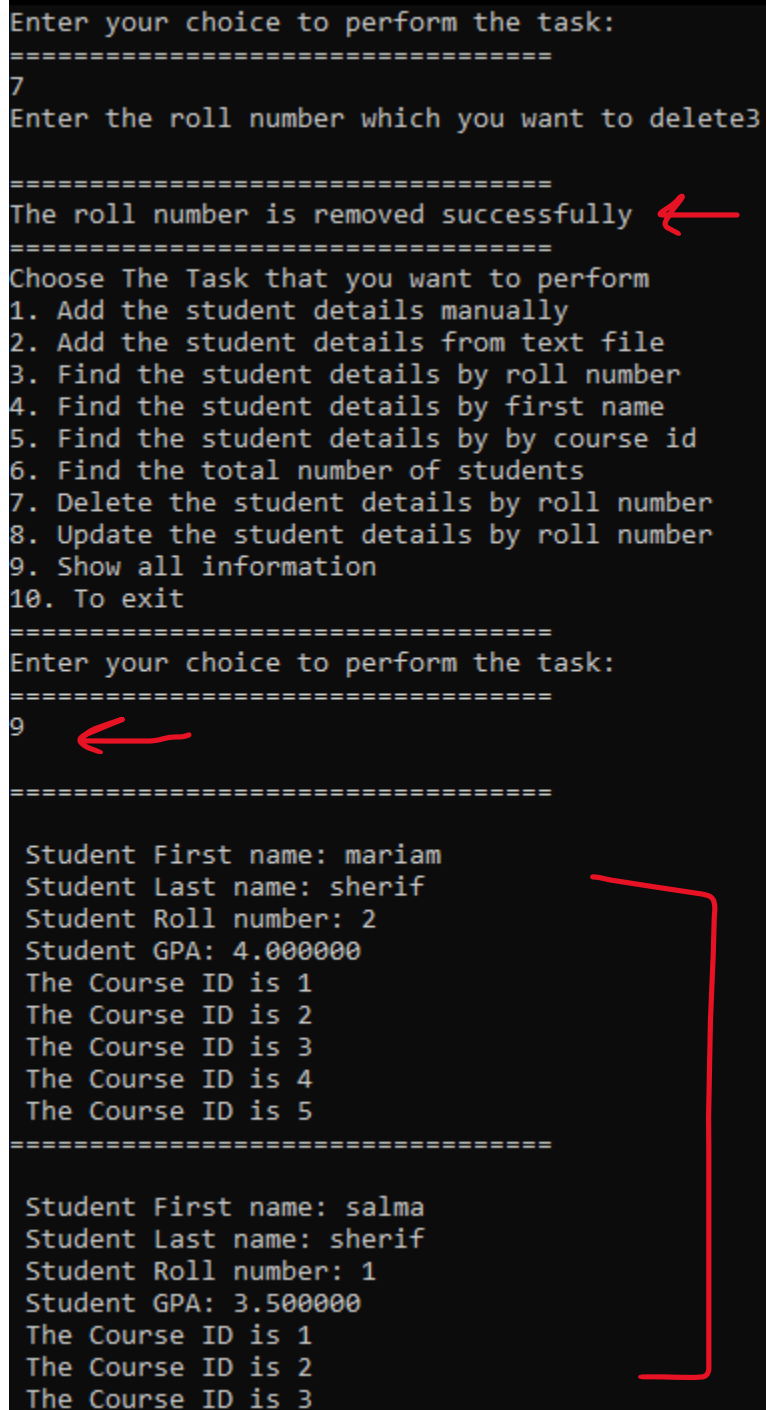
```
Enter your choice to perform the task:
=====
7
Enter the roll number which you want to delete3

=====
The roll number is removed successfully ←
=====
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 by course id
6. Find the total number of students
7. Delete the student details by roll number
8. Update the student details by roll number
9. Show all information
10. To exit
=====
Enter your choice to perform the task:
=====
9 ←

=====

Student First name: mariam
Student Last name: sherif
Student Roll number: 2
Student GPA: 4.000000
The Course ID is 1
The Course ID is 2
The Course ID is 3
The Course ID is 4
The Course ID is 5
=====

Student First name: salma
Student Last name: sherif
Student Roll number: 1
Student GPA: 3.500000
The Course ID is 1
The Course ID is 2
The Course ID is 3
```



8. Update a student

```
Enter your choice to perform the task:
=====
8 ←
Enter the roll number to update the entry :1

1. first name
2. Last name
3. roll no.
4. GPA ←
5. Course 1
6. Course 2
7. Course 3
8. Course 4
9. Course 5
4 ←
Enter the new GPA: 4 ←

=====
UPDATED SUCCESSFULLY
=====
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 by course id
6. Find the total number of students
7. Delete the student details by roll number
8. Update the student details by roll number
9. Show all information
10. To exit
=====
Enter your choice to perform the task:
=====
9

=====

Student First name: salma
Student Last name: sherif
Student Roll number: 1
Student GPA: 4.000000 ←
The Course ID is 1
The Course ID is 2
```