



## Input:

```
mathematica
```

 Copy code

```
1 Enter Roll Number: 101 Enter Name: Alice Enter Course: Computer  
Science Enter Marks: 85
```

 Explain 

## Output:

 Copy code

```
Student added successfully.
```

## Scenario 2: Viewing All Students

### Input:

 Copy code

```
2
```

### Output:

 Copy code

```
Student Records: Roll Number: 101, Name: Alice, Course: Computer  
Science, Marks: 85
```


## Scenario 3: Updating a Student Record

### Input:

mathematica

 Copy code

3 Enter Roll Number of the student to update: 101 Enter New Course: Data Science Enter New Marks: 90 Johnson Enter New Course: Data Science Enter New Marks: 90

 Explain

Output:

 Copy code

Student updated successfully.

## Scenario 4: Deleting a Student Record

Input:

mathematica

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4 Enter Roll Number of the student to delete: 101

Output:

 Copy code

Student deleted successfully.

## Scenario 5: Searching for a Student

Input (by roll number):

mathematica

 Copy code

5 Enter Roll Number or Name to search: 101

### Output:

graphql

 Copy code

No student records match your query.

### Input (by name):

mathematica

 Copy code

5 Enter Roll Number or Name to search: Alice

### Output:

yaml

 Copy code

Student Found: Roll Number: 101, Name: Alice Johnson, Course: Data Science, Marks: 90

## Scenario 6: Generating Reports

### Input:

6


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### Output:

yaml

 Copy code

Report: Total Students: 1 Total Marks: 90 Average Marks: 90.0

Explain 

## Scenario 7: Exiting the Program

Input:

```
7
```

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Output:

```
Student records saved successfully. Exiting... Goodbye!
```

 Copy code