```java
1  import java.util.ArrayList;
2  import java.util.List;
3  import java.util.Scanner;
4
5  class Student {
6      private String name;
7      private int rollNumber;
8      private String grade;
9
10     public Student(String name, int rollNumber, String grade) {
11         this.name = name;
12         this.rollNumber = rollNumber;
13         this.grade = grade;
14     }
15
16     public String getName() {
17         return name;
18     }
19
20     public int getRollNumber() {
21         return rollNumber;
22     }
23
24     public String getGrade() {
25         return grade;
26     }
```

```java
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16     public String getName() {
17         return name;
18     }
19
20     public int getRollNumber() {
21         return rollNumber;
22     }
23
24     public String getGrade() {
25         return grade;
26     }
```

```java
                .out.print(          name:   );
        name = scanner.nextLine();

        System.out.print("Enter student roll number: ");
        int rollNumber = scanner.nextInt();
        scanner.nextLine(); // Consume newline

        System.out.print("Enter student grade: ");
        grade = scanner.nextLine();

        Student newStudent = new Student(name, rollNumber, grade);
        students.add(newStudent);
        System.out.println("Student added successfully.");
    }

    public void removeStudent() {
        System.out.print("Enter student roll number to remove: ");
        int rollToRemove = scanner.nextInt();
        scanner.nextLine(); // Consume newline

        for (Student student : students) {
            if (student.getRollNumber() == rollToRemove) {
                students.remove(student);
                System.out.println("Student Removed successfully.");
                found
```

```java
                    out.print( Enter your choice...
Scanner scanner = new Scanner(System.in);
int choice = scanner.nextInt();
scanner.nextLine(); // Consume newline

switch (choice) {
    case 1:
        system.addStudent();
        break;
    case 2:
        system.removeStudent();
        break;
    case 3:
        system.searchStudent();
        break;
    case 4:
        system.displayAllStudents();
        break;
    case 5:
        running = false;
        break;
    default:
        System.out.println("Invalid choice. Please try again.");
        break;
    }
  }
}
```

The output

```
116
117             Scanner scanner = new Scanner(System.in);
118             int choice = scanner.nextInt();
119             scanner.nextLine(); // Consume newLine
```

input

```
Student Management System Menu:
1. Add Student
2. Remove Student
3. Search Student
4. Display All Students
5. Exit
Enter your choice: 1
Enter student name: acd
Enter student roll number: 2
Enter student grade: A
Student added successfully.

Student Management System Menu:
1. Add Student
2. Remove Student
3. Search Student
4. Display All Students
5. Exit
Enter your choice: 4
All Students:
Name: acd, Roll Number: 2, Grade: A

Student Management System Menu:
1. Add Student
```