

ASSIGNEMENT-3

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CODE:

```
import java.util.ArrayList;
import java.util.Scanner;

class Student {
    String name;
    int id;
    int rollNo;
    String course;
    String phone;
    String grade;
    String place;

    Student(String name, int id, int rollNo, String course, String phone, String grade, String place) {
        this.name = name;
        this.id = id;
        this.rollNo = rollNo;
        this.course = course;
        this.phone = phone;
        this.grade = grade;
        this.place = place;
    }

    void display() {
        System.out.println("Name: " + name);
        System.out.println("ID: " + id);
        System.out.println("Roll No: " + rollNo);
    }
}
```



```

String course = sc.nextLine();

System.out.print("Enter Phone Number: ");

String phone = sc.nextLine();

System.out.print("Enter Grade: ");

String grade = sc.nextLine();

System.out.print("Enter Place: ");

String place = sc.nextLine();

students.add(new Student(name, id, rollNo, course, phone, grade, place));

System.out.println("Student added successfully.");

break;

case 2:

    if (students.isEmpty()) {

        System.out.println("No student records found.");

    } else {

        for (Student s : students) {

            s.display();

        }

    }

    break;

case 4:

    System.out.print("Enter Roll No of the student to modify: ");

    int searchRoll = sc.nextInt();

    sc.nextLine();

    boolean found = false;

    for (Student s : students) {

        if (s.rollNo == searchRoll) {

            System.out.println("Enter new details:");

            System.out.print("Name: ");

            s.name = sc.nextLine();

            System.out.print("ID: ");

            s.id = sc.nextInt();

```

```

        System.out.print("Roll No: ");

        s.rollNo = sc.nextInt();

        sc.nextLine();

        System.out.print("Course: ");

        s.course = sc.nextLine();

        System.out.print("Phone: ");

s.phone = sc.nextLine();

        System.out.print("Grade: ");

        s.grade = sc.nextLine();

        System.out.print("Place: ");

        s.place = sc.nextLine();

        System.out.println("Student details updated.");

        found = true;

        break;

    }

}

if (!found) {

    System.out.println("Student with that Roll No not found.");

}

break;

case 5:

    System.out.println("Exiting...");

    break;

default:

    System.out.println("Invalid choice.");

}

} while (choice != 5);

sc.close();

}

}

```

OUTPUT:

```
input
--- Student Management System ---
1. Add Student
2. Display All Students
4. Modify Student
5. Exit
Enter your choice: 1
Enter Name: priya
Enter ID: 001
Enter Roll No: 101
Enter Course: AI
Enter Phone Number: 9898979787
Enter Grade: S
Enter Place: guntur
Student added successfully.

--- Student Management System ---
1. Add Student
2. Display All Students
4. Modify Student
5. Exit
Enter your choice: 1
Enter Name: vardhani
Enter ID: 002
Enter Roll No: 102
Enter Course: JAVA
Enter Phone Number: 8686794858
Enter Grade: S
Enter Place: vijayawada
Student added successfully.

--- Student Management System ---
1. Add Student
2. Display All Students
4. Modify Student
5. Exit
Enter your choice: 4
Enter Roll No of the student to modify: 102
Enter new details:
Name: vardhini
ID: 101
Roll No: 001
\Course: AI
Phone: 7868594949
Grade: S
Place: hyderabad
Student details updated.

--- Student Management System ---
1. Add Student
2. Display All Students
4. Modify Student
5. Exit
Enter your choice: 2
Name: priya
ID: 1
Roll No: 101
Course: AI
Phone: 9898979787
Grade: S
Place: guntur
-----
Name: vardhini
ID: 101
Roll No: 1
Course: \AI
Phone: 7868594949
Grade: S
Place: hyderabad
```

--- Student Management System ---

- 1. Add Student
- 2. Display All Students
- 4. Modify Student
- 5. Exit

Enter your choice: 4

Enter Roll No of the student to modify: 004

Student with that Roll No not found.

--- Student Management System ---

- 1. Add Student
- 2. Display All Students
- 4. Modify Student
- 5. Exit

Enter your choice: 5

Exiting...

...Program finished with exit code 0

Press ENTER to exit console.