

Student manager:

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

```
class Student {
```

```
    int id;
    String name;
    int age;
```

```
    Student(int id, String name, int age) {
        this.id = id;
        this.name = name;
        this.age = age;
    }
}
```

```
public class Main {
```

```
    private ArrayList<Student> students = new ArrayList<>();
    private int nextId = 1;
```

```
    public void addStudent(String name, int age) {
        students.add(new Student(nextId++, name, age));
        System.out.println("Student added successfully.");
    }
```

```
    public void deleteStudent(int id) {
        students.removeIf(student -> student.id == id);
        System.out.println("Student deleted successfully.");
    }
```

```
    public void editStudent(int id, String name, int age) {
        for (Student student : students) {
            if (student.id == id) {
                student.name = name;
                student.age = age;
                System.out.println("Student updated successfully.");
                return;
            }
        }
        System.out.println("Student not found.");
    }
```

```
    public void displayStudents() {
        if (students.isEmpty()) {
            System.out.println("No students available.");
            return;
        }
        for (Student student : students) {
```

```
        System.out.println(student.id + ": " + student.name + ", Age: " + student.age);
    }
}
```

```
public static void main(String[] args) {
    Main manager = new Main();
    Scanner scanner = new Scanner(System.in);

    while (true) {
        System.out.println("\n1. Add Student");
        System.out.println("2. Edit Student");
        System.out.println("3. Delete Student");
        System.out.println("4. Display Students");
        System.out.println("5. Exit");
        System.out.print("Choose an option: ");
        int choice = scanner.nextInt();

        switch (choice) {
            case 1:
                System.out.print("Enter name: ");
                String name = scanner.next();
                System.out.print("Enter age: ");
                int age = scanner.nextInt();
                manager.addStudent(name, age);
                break;
            case 2:
                System.out.print("Enter student ID to edit: ");
                int editId = scanner.nextInt();
                System.out.print("Enter new name: ");
                String newName = scanner.next();
                System.out.print("Enter new age: ");
                int newAge = scanner.nextInt();
                manager.editStudent(editId, newName, newAge);
                break;
            case 3:
                System.out.print("Enter student ID to delete: ");
                int deleteId = scanner.nextInt();
                manager.deleteStudent(deleteId);
                break;
            case 4:
                manager.displayStudents();
                break;
            case 5:
                scanner.close();
                return;
            default:
                System.out.println("Invalid option. Please try again.");
        }
    }
}
```

}
}
}