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package org.assignment.linkedlist;

import java.util.LinkedList;

class Student{
    int rollNo;
    String name;
    int age;
    public Student(int rollNo, String name, int age) {
        this.rollNo = rollNo;
        this.name = name;
        this.age = age;
    }
    @Override
    public String toString() {
        return "Student{" +
            "rollNo=" + rollNo +
            ", name='" + name + '\'' +
            ", age=" + age +
            '}';
    }
}
class StudentOperations
{
    LinkedList<Student> students;
    public StudentOperations()
    {
       this.students=new LinkedList<>();
    }

    public void addElement()
    {
        Student student1=new Student(11,"ram",25);
        Student student2=new Student(12,"rakshanda",25);
        students.add(student1);
        students.add(student2);

        System.out.println("student added");
    }
    public void removeStudent(int rollNo)
    {
        for (Student stude:students)
        {
            if(stude.rollNo==rollNo)
        {
            System.out.println(students.remove());
            System.out.println("student removed from the list");
        }
        else
        {
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            System.out.println("student not found in the list");
            System.out.println(students);
        }}

    }
    public void search(int rollNo)
    {
       // int index= students.indexOf(rollNo);
        for(Student stud:students)
        { if(stud.rollNo==rollNo)
           {
            System.out.println("student is found");
           }
        else {
            System.out.println("student is not found");
        }
            System.out.println(students);
        }

    }

}
public class StudentManagement {
    public static void main(String[] args) {
        StudentOperations s=new StudentOperations();
        s.addElement();
       s.removeStudent(11);
        s.search(12);
    }
}
```