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import java.util.Scanner;
class CourseManager5 {
    private Student[] students;
    private int nStudents;
    public static final int MAX_SIZE = 100;

    public CourseManager5() {
        students = new Student[MAX_SIZE];
        nStudents = 0;
    }

    public void addStudent(Student newStudent) {
        if (nStudents < MAX_SIZE) {
            if (findStudentName(newStudent.getName()) == -1) {
                students[nStudents] = newStudent;
                nStudents++;
            } else
                System.out.println("ERROR: STUDENT "
                    + "ALRAEDY THERE");
        } else
            System.out.println("ERROR: COURSE IS FULL");
    }

    public int findStudentName(String name) {
        for (int i = 0; i < nStudents; i++)
            if (students[i].getName().equalsIgnoreCase(name))
                return i;
        return -1;
    }

    public double findAverageScore() {
        if (nStudents > 0) {
            double sum = 0.0;
            for (int i = 0; i < nStudents; i++)
                sum += students[i].getScore();
            return (sum / nStudents);
        } else
            return 0;
    }

    public int findMaxScoreIndex() {
        int max = 0;
        if (nStudents <= 0)
            max = -1;
        for (int i = 1; i < nStudents; i++) {
            if (students[i].getScore() > students[max].getScore())
                max = i;
        }
        return max;
    }

    public void displayStudent(int i) {
        if (students[i] != null)
            System.out.print(students[i].getId() + ", " + students[i].getName() + ", "
                + students[i].getScore());
    }

    public int getNStudents() {
        return nStudents;
    }

    public void removeStudent(int index) {
        students[index] = null;
    }
}

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public removeAndShiftStudents(int index) {
    for (int i = index ; i < nStudents-1 ; i++) {
        students[i] = students[i+1];
    }
    students[nStudents-1] = null;
    nStudents--;
}
}

public class TestCourseManager5 {
    public static void main(String[] args) {
        Scanner kb = new Scanner(System.in);

        CourseManager5 c1 = new CourseManager5();
        int id;
        String name;
        double score;

        for (int i = 0; i < 3; i++) {
            System.out
                .println("Please enter the ID, name, and "
                    + "score of student "
                    + i + ":");
            id = kb.nextInt();
            name = kb.next();
            score = kb.nextDouble();
            Student s = new Student(id, name, score);
            c1.addStudent(s);
        }

        System.out.println("Students are: ");
        for (int i = 0; i < c1.getNStudents(); i++) {
            c1.displayStudent(i);
            System.out.println();
        }
    }
}

```