

```

import java.util.Arrays;

class STUDENT {
    private String usn;
    private String name;
    private int[] marks;

    public STUDENT(String usn, String name, int[] marks) {
        this.usn = usn;
        this.name = name;
        this.marks = marks;
    }

    public double calculateAverage() {
        int[] sortedMarks = marks.clone();
        Arrays.sort(sortedMarks);

        int n = sortedMarks.length;
        int sum = sortedMarks[n - 1] + sortedMarks[n - 2];

        return (double) sum / 2;
    }

    public String getUSN() {
        return usn;
    }

    public String getName() {
        return name;
    }

    public void finalize() {
        System.out.println("Object " + usn + " is destroyed.");
    }
}

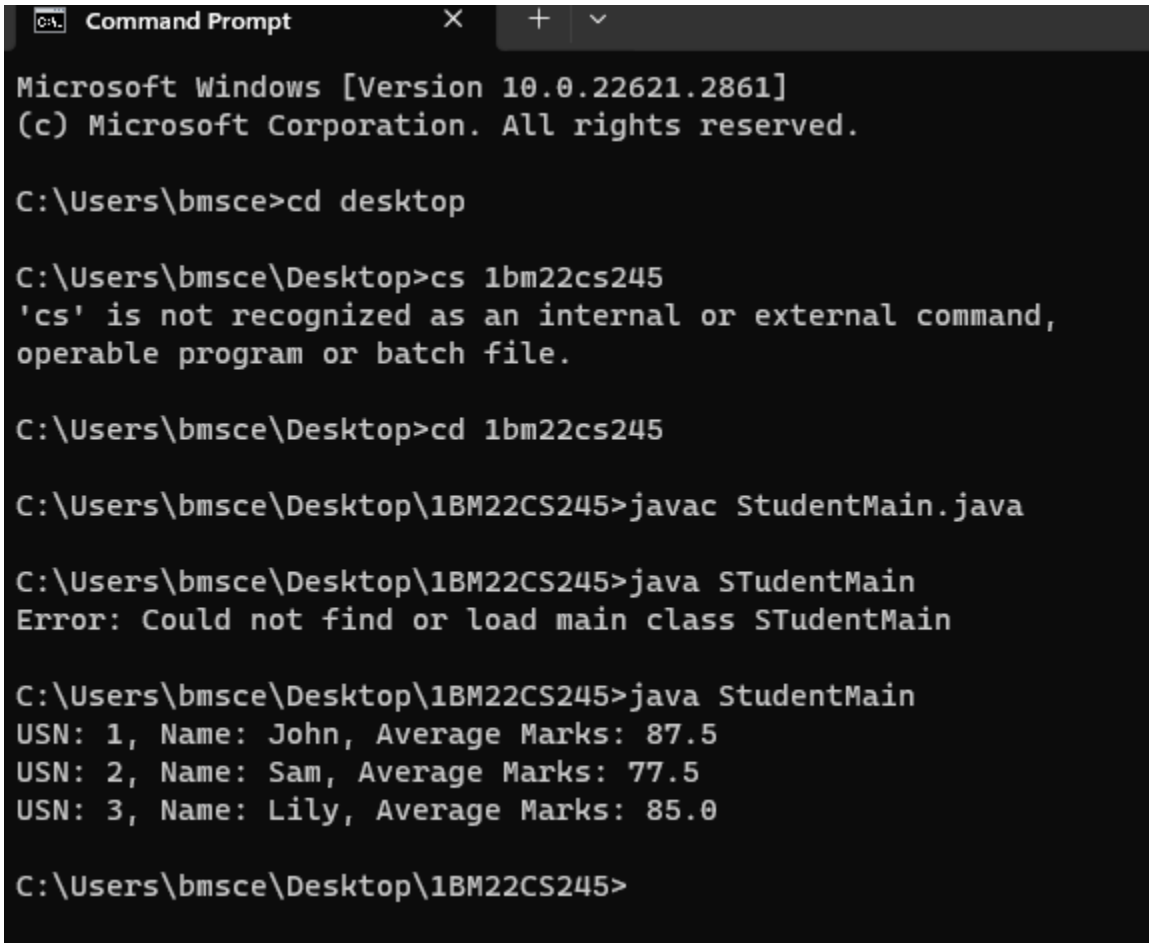
public class Main {
    public static void main(String[] args) {
        STUDENT[] students = new STUDENT[3];
        students[0] = new STUDENT("1", "John", new int[]{75, 85, 90});
        students[1] = new STUDENT("2", "Sam", new int[]{65, 75, 80});
        students[2] = new STUDENT("3", "Lily", new int[]{70, 80, 90});

        for (STUDENT student : students) {

```

```
        double average = student.calculateAverage();
        System.out.println("USN: " + student.getUSN() + ", Name: " + student.getName() + ",
Average Marks: " + average);
    }
}
}
```

Output:



```
C:\> Command Prompt X + v

Microsoft Windows [Version 10.0.22621.2861]
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C:\Users\bmsce>cd desktop

C:\Users\bmsce\Desktop>cs 1bm22cs245
'cs' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\bmsce\Desktop>cd 1bm22cs245

C:\Users\bmsce\Desktop\1BM22CS245>javac StudentMain.java

C:\Users\bmsce\Desktop\1BM22CS245>java STudentMain
Error: Could not find or load main class STudentMain

C:\Users\bmsce\Desktop\1BM22CS245>java StudentMain
USN: 1, Name: John, Average Marks: 87.5
USN: 2, Name: Sam, Average Marks: 77.5
USN: 3, Name: Lily, Average Marks: 85.0

C:\Users\bmsce\Desktop\1BM22CS245>
```