



PROGRAMING WITH JAVA



Arrays snacks – Student Grade

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Lagbaja Schools hired you to create an application to manage student grades in their classrooms.

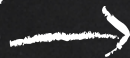
Write an application that allows a teacher enter scores for all his students, irrespective of number of students and numbers of subjects.

Your app should be able to do the following:

1. Ask the teacher for the number of students.
2. Ask the teacher for the number of subjects.
3. Collect the scores for every students and every subjects.
4. Constraint: Score must be between 0 and 100.
5. Display class summary after input collection.



SAMPLE INPUT

[illegible]

```

Enter score for student 1
Enter score for subject 1
67
Save
Save
Enter score for stud
Ent

```

```

Enter score for student 1
Enter score for student 2
21 Enter score for student 3
Save Enter score for subject 1
Save 49 Enter score for subject 2

```

```
49 Entering score for student 2
Sav Enter score for subject 1
Sav 98
```

```
Savi Entering score for student 2
Save Enter score for subject 2
```

[illegible]

```

Enter score for student 3
Enter score for subject 1
93
Saving
Saved
Enter score for student
Enter score for subject

```

```

Enter score for student 3
Enter score for subject 2
34
Saving
Saved
Enter score for student 4
Enter score for subject 3

```

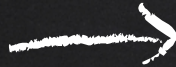
```
27      Entering score for student
Savi Enter score for subject 1
Save 78      Entering score for stu
Savin Enter score for subject
```

[illegible]

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SAMPLE
OUTPUT



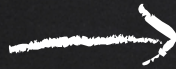
| STUDENT | SUB1 | SUB2 | SUB3 | TOT | AVE | POS |
|-----------|------|------|------|-----|-------|-----|
| Student 1 | 67 | 21 | 49 | 137 | 45.67 | 4 |
| Student 2 | 98 | 62 | 56 | 216 | 72.00 | 2 |
| Student 3 | 93 | 34 | 27 | 154 | 51.33 | 3 |
| Student 4 | 78 | 83 | 66 | 227 | 75.67 | 1 |



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SAMPLE
OUTPUT



SUBJECT SUMMARY

Subject 1

Highest scoring student is: Student 2 scoring 98

Lowest Scoring student is: student 1 scoring 67

Total Score is: 336

Average score is: 84.00

Number of passes: 4

Number of Fails: 0

Subject 2

Highest scoring student is: Student 4 scoring 83

Lowest Scoring student is: student 1 scoring 21

Total Score is: 200

Average score is: 50.00

Number of passes: 2

Number of Fails: 2

Subject 3

Highest scoring student is: Student 4 scoring 66

Lowest Scoring student is: student 3 scoring 27

Total Score is: 198

Average score is: 49.50

Number of passes: 2

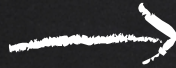
Number of Fails: 2



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SAMPLE
OUTPUT



```
The hardest subject is Subject 2 with 2 failures
The easiest subject is Subject 1 with 4 passes
The overall Highest score is scored by Student 2 in subject 1 scoring 98
The overall Lowest score is scored by Student 1 in subject 2 scoring 21
=====

CLASS SUMMARY
=====
Best Graduating Student is: Student 4 scoring 227
=====

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
Worst Graduating Student is: Student 1 scoring 137
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

=====
Class total score is: 734
Class Average score is: 183.5
=====
```



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Submission is due on:

Tuesday 8am, August 6th, 2024

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Submission instruction:

Add to your existing git repository and send link.



ENJOY THE
WEEKEND!!!

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