Nested Lists ★

15 more points to get your next star!

Rank: **441784** | Points: **95/110**

Your Nested Lists submission got 10.00 points.   Share   Tweet

You are now 15 points away from the 3rd star for your python badge.

Try the next challenge | **Try a Random Challenge**

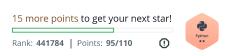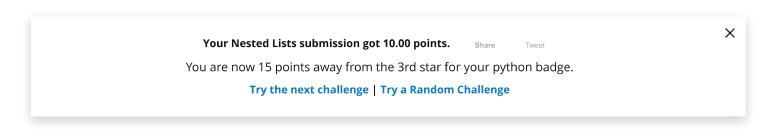| Problem	Submissions	Leaderboard	Editorial 🔒	Tutorial

Given the names and grades for each student in a class of N students, store them in a nested list and print the name(s) of any student(s) having the second lowest grade.

Note: If there are multiple students with the second lowest grade, order their names alphabetically and print each name on a new line.

Example

$records = [["chi", 20.0], ["beta", 50.0], ["alpha", 50.0]]$

The ordered list of scores is $[20.0, 50.0]$, so the second lowest score is 50.0. There are two students with that score: $["beta", "alpha"]$. Ordered alphabetically, the names are printed as:

```
alpha
beta
```

Input Format

The first line contains an integer, N, the number of students.

The $2N$ subsequent lines describe each student over 2 lines.
- The first line contains a student's name.
- The second line contains their grade.

Constraints

- $2 \leq N \leq 5$
- There will always be one or more students having the second lowest grade.

Output Format

Print the name(s) of any student(s) having the second lowest grade in. If there are multiple students, order their names alphabetically and print each one on a new line.

Sample Input 0

```
5
Harry
37.21
Berry
37.21
Tina
37.2
Akriti
41
Harsh
39
```

Sample Output 0

```
Berry
Harry
```

Explanation 0

There are **5** students in this class whose names and grades are assembled to build the following list:

python students = [['Harry', 37.21], ['Berry', 37.21], ['Tina', 37.2], ['Akriti', 41], ['Harsh', 39]]

The lowest grade of **37.2** belongs to Tina. The second lowest grade of **37.21** belongs to both Harry and Berry, so we order their names alphabetically and print each name on a new line.

Change Theme   Python 3 ▾

```
1    def find_second_lowest_grade(students):
2        grades = [s[1] for s in students]
3        grades = sorted(grades)
4        min_grade = grades[0]
5
6        for i in range(len(grades)):
7            if grades[i] > min_grade:
8                return grades[i]
9
10       return min_grade
11
12
13   def find_students_by_grade(students, grade):
14       return [s[0] for s in students if s[1] == grade]
15
16
17   if __name__ == '__main__':
18       students = []
19
20       for _ in range(int(input())):
21           name = input()
22           score = float(input())
23
24           students.append([name, score])
```

Line: 32 Col: 1

⬆ Upload Code as File   ☐ Test against custom input   **Run Code**   **Submit Code**

You have earned 10.00 points!
You are now 15 points away from the 3rd star for your python badge.

63%   95/110

Congratulations

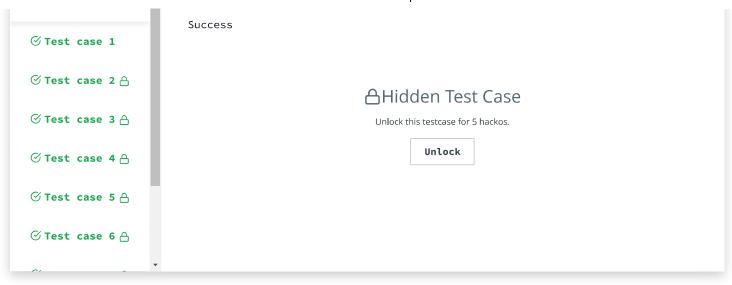You solved this challenge. Would you like to challenge your friends?   **Next Challenge**

Earn a certificate in Python

Kudos on your progress! Take the HackerRank Skills Certification test and enrich your profile   **Get Certified**

✓ **Test case 0** 🔒   Compiler Message

⊘ **Test case 1**

⊘ **Test case 2** 🔒

⊘ **Test case 3** 🔒

⊘ **Test case 4** 🔒

⊘ **Test case 5** 🔒

⊘ **Test case 6** 🔒

Success

🔒Hidden Test Case

Unlock this testcase for 5 hackos.

Unlock

Contest Calendar | Blog | Scoring | Environment | FAQ | About Us | Support | Careers | Terms Of Service | Privacy Policy | Request a Feature

⊘ **Test case 1**