


Nested Lists

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Problem

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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], ['Akruti', 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

Language

Pypy 3



```
1 # Link - https://www.hackerrank.com/challenges/nested-list/problem?isFullScreen=false
2
3 if __name__ == '__main__':
4     n_value = int(input())
5     my_dict = {}
6
7     for i in range(0, n_value):
8         name_value = input()
9         score_value = float(input())
10
11         my_dict[name_value] = score_value
12
13     values_list = list(set(my_dict.values()))
14     values_list.sort()
15     second_lowest_score = values_list[1]
16
17     key_array = []
18
19     for key, value in my_dict.items():
20         if value == second_lowest_score:
21             key_array.append(key)
22
23     key_array.sort()
24
25     for key in key_array:
26         print(key)
27
```

Line: 27 Col: 1

Upload Code as File



Test against custom input

Run Code

Submit Code

You have earned 10.00 points!

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25%

265/400



## Congratulations

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✓ **Test case 0**

✓ Test case 1

✓ Test case 2

✓ Test case 3

✓ Test case 4

✓ Test case 5

✓ Test case 6

Compiler Message

Success

### Hidden Test Case

Unlock this testcase for 5 hackos.

Unlock