Q1. Given the names and grades for each student in a class of  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**

The ordered list of scores is

Record= [“Ram,35.5],[“Sham”, 50.5],[“Seema”, 50.5]]

The ordered list of scores is [35.5, 50.5] , so the second lowest score is [50.5] . There are two students with that score:[“Sham”,”Seema”].

Ordered alphabetically, the names are printed as:

Sham

Seema

**Input Format**

The first line contains an integer, N, the number of students. The 2N subsequent lines describe each student over  lines.

- The first line contains a student's name.  
- The second line contains their grade.

**Constraints**

* 2<= N < 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

Akrit

i41

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.

**Test Case 1:**

**Input:**

3

Raja

33.5

Sham

32.5

Sita

55.6

**Output:**

Raja

**Test Case 2:**

**Input:**

4

Riya

20.5

Shubham

33.4

Siya

33.4

Raja

25.4

**Output:**

Raja

**Test Case 3:**

**Input:**

4

Rachel

-50

Mawer

-50

Sheen

-50

Shaheen

51

**Output:**

Shaheen

**Solution:**

N = int(input())

students = []

for i in range(2\*N):

students.append(input().split())

grades = {}

for j in range(0, len(students), 2):

grades[students[j][0]] = float(students[j + 1][0])

result = []

num\_to\_match = sorted(set(grades.values()))[1]

for pupil in grades.keys():

if grades[pupil] == num\_to\_match:

result.append(pupil)

for k in sorted(result):

print(k)

**or**

if \_name\_ == '\_main\_':

n = int(input("Enter the number of students: "))

students = []

for \_ in range(n):

name = input("Enter the student's name: ")

score = float(input("Enter the student's grade: "))

students.append([name, score])

students.sort(key=lambda x: (x[1], x[0]))

second\_lowest\_grade = sorted(set(score for name, score in students))[1]

if grade == second\_lowest\_grade:

print(name)

**or**

student = []

for i in range (int(input ())):

name=input ()

score=float ( input())

student.append([name,score])

find\_score=[x[1] for x in student]

sort\_score=sorted(set(find\_score))[-1]

find\_name=[y[0] for y in student if(y[1]==sort\_score) ]

print(find\_name)