PL-2020-C-Pizza Confusion

locked

Problem Submissions Leaderboard Discussions

Joey loves to eat Pizza. But he is worried as the quality of pizza made by most of the restaurants is deteriorating. The last few pizzas ordered by him did not taste good :(. Joey is feeling extremely hungry and wants to eat pizza. But he is confused about the restaurant from where he should order. As always he asks Chandler for help.

Chandler suggests that Joey should give each restaurant some points, and then choose the restaurant having maximum points. If more than one restaurant has same points, Joey can choose the one with lexicographically smallest name.

Joey has assigned points to all the restaurants, but can't figure out which restaurant satisfies Chandler's criteria. Can you help him out?

Input Format

First line has N, the total number of restaurants. Next N lines contain Name of Restaurant and Points awarded by Joey, separated by a space. Restaurant name has no spaces, all lowercase letters and will not be more than 20 characters.

Constraints

1 <= N <= 10^5 1 <= Points <= 10^6

Output Format

Print the name of the restaurant that Joey should choose.

Sample Input 0

```
3
Pizzeria 108
Dominos 145
Pizzapizza 49
```

Sample Output 0

```
Dominos
```

Explanation 0

Dominos has maximum points.

Submissions: 884
Max Score: 100
Difficulty: Medium

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C

```c
#include <stdio.h>
#include <string.h>

struct Restaurant {
  char name[21];
  int points;
};

int main() {
  int n;
  scanf("%d", &n);

  struct Restaurant restaurants[n];
  for (int i = 0; i < n; i++) {
    scanf("%s %d", restaurants[i].name, &restaurants[i].points);
  }

  int max_points = -1;
  char max_name[21] = "";
  for (int i = 0; i < n; i++) {
    if (restaurants[i].points > max_points) {
      max_points = restaurants[i].points;
      strcpy(max_name, restaurants[i].name);
    }
  }

  printf("%s\n", max_name);
  return 0;
}
```

Line: 1 Col: 1

Upload Code as File Test against custom input Run Code Submit Code