



## Question - 1

### Rank List

SCORE: 60 points

After the mid-term grades of a particular subject are announced, you are curious to know your current position (rank) in the class. Therefore, you decide to make a rank list . You are given the name , scholar number and marks of every student in your class. You must create an accurate rank list, i.e. the student having the maximum marks is at the top and, if two students have the same marks, the student with the (lexicographically) smaller name comes first. If both the names and marks of two students are the same, then the student having the smaller scholar number comes first.

**Input:**

First line of input contains N - Total number of students in class  
Next N line contains name of student , scholar number and marks scored in exam .

**Output:**

Print the ranklist of students as explained above.

**Constraints**

$1 \leq N \leq 1000$   
 $1 \leq \text{length of name} \leq 10$   
 $1 \leq \text{scholar number} \leq 1000$   
 $0 \leq \text{marks} \leq 30$

**SAMPLE INPUT**

```
5
arun 8 28
harshit 10 30
surya 7 26
satyam 27 6
arun 1 28
```

**SAMPLE OUTPUT**

```
harshit 10 30
arun 1 28
arun 8 28
surya 7 26
satyam 27 6
```