

Sort It

Problem

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Problem Statement

You will be given data for **N** students, where each student will have a name (**nm**), class (**cls**), section (**s**), student ID (**id**), math marks (**math_marks**), and English marks (**eng_marks**).

Your task is to sort the students data according to the **total marks** (sum of **math_marks** and **eng_marks**) in descending order. If multiple student have the same total marks then sort them according to the **id** in ascending order as the **id** will be unique.

Input Format

- First line will contain **N**.
- Next **N** lines will contain **nm**, **cls**, **s**, **id**, **math_marks** and **eng_marks** respectively.

Constraints

- $1 \leq N \leq 100$
- $1 \leq |nm| \leq 100$ and will contain only English alphabets.
- $1 \leq cls \leq 10$
- $'A' \leq s \leq 'Z'$
- $1 \leq id \leq 1000$
- $0 \leq math_marks, eng_marks \leq 100$

Output Format

- Output the students data in descending order according to the total marks.

Sample Input 0

```
5
Munna 8 D 25 50 30
Shojoy 9 E 26 40 50
Asif 10 C 27 55 60
Joy 9 G 28 66 45
Bijoy 7 E 29 68 99
```

Sample Output 0

```
Bijoy 7 E 29 68 99
Asif 10 C 27 55 60
Joy 9 G 28 66 45
Shojoy 9 E 26 40 50
Munna 8 D 25 50 30
```

Sample Input 1

```
6
Munna 8 D 30 50 40
Shojoy 9 E 25 40 50
```

```
Asif 10 C 27 55 60
Joy 9 G 28 66 45
Bijoy 7 E 29 68 99
Khadija 8 E 26 40 50
```

Sample Output 1

```
Bijoy 7 E 29 68 99
Asif 10 C 27 55 60
Joy 9 G 28 66 45
Shojoy 9 E 25 40 50
Khadija 8 E 26 40 50
Munna 8 D 30 50 40
```

[f](#) [t](#) [in](#)Submissions: [386](#)

Max Score: 20

Difficulty: Easy

Rate This Challenge:

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C++20



```
1 #include <bits/stdc++.h>
2
3 using namespace std;
4
5
6
7 int main()
8 {
9     // Write your code here
10
11     return 0;
12 }
13
```

Line: 1 Col: 1

[Upload Code as File](#) ☐ Test against custom input

Run Code

Submit Code