

Quiz Section for Program Design (II)

Exercise #5

After the examination, the TA needs to enter the scores of the test paper into the system. Let's write a program that can sort data from the exam paper to match the student list on the course system. First, the program users can choose how many records they want to key in. Then, they can start to input the student's name and the score of the exam one by one. After typing happily, the program needs to sort the input data by the **student's score in descending order**. If two students' scores are the same, the program sorts these two students by **their name lexicographically**. Lastly, the program needs to output the sorted list by students' names followed by their scores.

The program should include one type of structure to record the student's name and score.

- **Input Format**

The first line contains an integer n representing the number of results.

The next n lines contain the name of student S and his score m .

- **Output Format**

Print n lines represent the sorted name and score.

- **Technical Specifications**

$$1 \leq n \leq 40$$

$$0 \leq m \leq 100$$

$$1 \leq |S| \leq 20$$

The table below shows the example input and output.

Input	Output
<u>3</u> <u>Edwina 95</u> <u>Tyler 100</u> <u>Amy 50</u>	Tyler 100 Edwina 95 Amy 50
<u>5</u> <u>Eric 10</u> <u>Adrain 50</u> <u>Nancy 80</u> <u>Rita 70</u> <u>Kamy 95</u>	Kamy 95 Nancy 80 Rita 70 Adrain 50 Eric 10