

Activity

You are required to write a program to sort the (name, age, score) tuples by ascending order where name is a string, age and score are numbers. The tuples are input by the console. The sort criteria are

- 1: Sort based on name
- 2: Then sort based on age
- 3: Then sort by score

The priority is that name > age > score.

If the following tuples are given as input to the program:

Tom,19,80
John,20,90
Jony,17,91
Jony,17,93
Json,21,85

Then, the output of the program should be:

[('John', '20', '90'), ('Jony', '17', '91'), ('Jony', '17', '93'), ('Json', '21', '85'), ('Tom', '19', '80')]

Code:

```
lst = []
while True:
    s = input().split(',')
    if not s[0]: # breaks for blank input
        break
    lst.append(tuple(s))

# here key is defined by lambda
# and the data is sorted by element priority 0>1>2 in ascending
order
lst.sort(key=lambda x: (x[0], int(x[1]), int(x[2])))
print(lst)
```