Online Test 1 Question 8

Due on 2020-12-01, 12:00 IST

Question 8

Write a Python function `maxaggregate(l)` that takes a list of pairs of the form (name,score) as argument, where name is a string and score is an integer. Each pair is to be interpreted as the score of the named player. For instance, an input of the form [('Kohli',73),('Ashwin',33),('Kohli',7),('Pujara',122), ('Ashwin',90)] represents two scores of 73 and 7 for Kohli, two scores of 33 and 90 for Ashwin and one score of 122 for Pujara. Your function should compute the players who have the highest aggregate score (aggegrate = total, so add up all scores for that name) and return the list of names of these players as a list, sorted in alphabetical order. If there is a single player, the list will contain a single name.

For instance, `maxaggregate([('Kohli',73),('Ashwin',33),('Kohli',7), ('Pujara',122),('Ashwin',90)])` should return `['Ashwin']` because the aggregate score of Kolhi is 80, of Ashwin is 123 and of Pujara is 122, of which 123 is the highest.

Sample Test Cases

	Input	Output
Test Case 1	`maxaggregate([('Kohli',73),('Ashwin',33), ('Kohli',7),('Pujara',142),('Ashwin',90)])`	`['Pujara']`
Test Case 2	`maxaggregate([('Kohli',73),('Ashwin',33), ('Kohli',7),('Pujara',142),('Ashwin',109)])`	`['Ashwin', 'Pujara']`
Test Case 3	`maxaggregate([('Kohli',73)])`	`['Kohli']`

Test Case 4	`maxaggregate([('Kohli',73),('Ashwin',33),('Kohli',69),('Pujara',142),('Ashwin',109)])`	`['Ashwin', 'Kohli', 'Pujara']`
Test Case 5	`maxaggregate([('Kohli',73),('Ashwin',33),('Kohli',7),('Pujara',122),('Ashwin',90)])`	`['Ashwin']`
Test Case 6	`maxaggregate([('Kohli',73),('Ashwin',33),('Kohli',7),('Pujara',22),('Ashwin',47)])`	`['Ashwin', 'Kohli']`

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

- Online Test 1 Question 3 (/noc20_cs26/progassignment?name=134)
- Online Test 1 Question 4 (/noc20_cs26/progassignment?name=136)
- Online Test 1 Question 5 (/noc20_cs26/progassignment?name=137)
- Online Test 1 Question 6 (/noc20_cs26/progassignment?name=138)
- Online Test 1 Question 7 (/noc20_cs26/progassignment?name=139)
- **Online Test 1 Question 8 (/noc20_cs26/progassignment?name=140)**

Online Programming Test 2, 01 Dec 2020, 20:00-22:00 ()

Online Programming Test 1, 09 Mar 2021, 10:00-12:00 ()

Online Programming Test 2, 09 Mar 2021, 20:00-22:00 ()