โจทย์ช้อที่ 7

JS Standard Competition Ranking

Standard competition ranking (also known as "1224" ranking) assigns the same rank to matching values. Rank numbers are increased each time, so ranks are sometimes skipped. If we have 5 scores (the highest score having a rank of 1): No matching values: Scores = [99, 98, 97, 96, 95] Rank = 1, 2, 3, 4, 5 With matching val ...

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introductions

Standard Competition Ranking

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No matching values:

```
Scores = [99, 98, 97, 96, 95]
Rank =  1,  2,  3,  4,  5
```

With matching values:

```
Scores = [99, 98, 98, 96, 95]
Rank =  1,  2,  2,  4,  5

// Second and third scores are equal, so rank "3" is skipped.
```

Given an object containing the names and scores of 5 competitors, and a competitor name, return the *rank* of that competitor after applying competition ranking.

Examples

```
competition_rank({
  George: 96,
  Emily: 95,
  Susan: 93,
  Jane: 89,
  Brett: 82
}, "Jane") → 4

competition_rank({
  Kate: 92,
  Carol: 92,
  Jess: 87,
  Bruce: 87,
  Scott: 84
}, "Bruce") → 3
```

Notes

The highest score has a rank value of 1.

Code

assign > JS Standard_Competition_Ranking.js > ...

```js
1   function competitionRank(results, person) {
2       const keyplayers = Object.getOwnPropertyNames(results);
3       let rank = 1;
4       let Realrank = 1;
5       let target = results[person];
6       let trig = false;
7       for(x=0;x<keyplayers.length;x++){
8           if(target<results[keyplayers[x]]){
9               rank++;
10              Realrank++;
11          }else if(target==results[keyplayers[x]]){
12              rank++;
13              trig = true;
14          }
15      }
16      if(trig)return Realrank;
17      return rank;
18  }
```

```
19    console.log(competitionRank({Aria: 90, Brooke: 90, Olivia: 90, Eve: 74, Ellie: 87}, "Ellie"))//, 4)
20    console.log(competitionRank({Ryan: 97, Thomas: 85, Kai: 95, Aiden: 87, Logan: 90}, "Logan"))//, 3)
21    console.log(competitionRank({Lilly: 91, Harris: 87, Archie: 93, Lexi: 100, Ava: 88}, "Lilly"))//, 3)
22    console.log(competitionRank({Jayden: 90, Josh: 90, Rebecca: 96, Jack: 89, Max: 96}, "Rebecca"))//, 1)
23    console.log(competitionRank({Ben: 78, Quinn: 84, Lena: 84, Isla: 92, Kayla: 72}, "Ben"))//, 4)
24    console.log(competitionRank({Lucy: 81, Ella: 90, Summer: 91, Harper: 81, Sadie: 85}, "Ella"))//, 2)
25    console.log(competitionRank({Cole: 96, Carson: 92, Gabriel: 91, Hollie: 97, Penelope: 85}, "Hollie"))//, 1)
26    console.log(competitionRank({Michael: 89, Noah: 98, Reuben: 88, Sam: 91, Mia: 91}, "Mia"))//, 2)
27    console.log(competitionRank({James: 93, Maria: 91, Lewis: 95, Joseph: 96, Imogen: 90}, "Lewis"))//, 2)
28    console.log(competitionRank({Jessica: 90, Emily: 99, Hope: 91, Charlie: 96, Lucas: 87}, "Hope"))//, 3)
29    console.log(competitionRank({Sophie: 86, Piper: 98, Elliot: 100, Erica: 90, Freya: 100}, "Freya"))//, 1)
30    console.log(competitionRank({Grace: 93, Henry: 90, Florence: 98, Millie: 89, David: 99}, "Henry"))//, 4)
31    console.log(competitionRank({Alfie: 90, Elijah: 90, Cara: 85, Isaac: 96, Bella: 92}, "Elijah"))//, 3)
32    console.log(competitionRank({Clara: 85, Matilda: 86, Amelia: 98, Oliver: 95, Adam: 94}, "Clara"))//, 5)
33    console.log(competitionRank({Nina: 81, Tommy: 79, Tyler: 84, Leo: 79, Hallie: 79}, "Nina"))//, 2)
34    console.log(competitionRank({Violet: 99, Finn: 100, Eden: 99, Frankie: 98, Rory: 98}, "Frankie"))//, 4)
35    console.log(competitionRank({Robbie: 70, Julia: 76, Owen: 70, Phoebe: 92, Jacob: 79}, "Owen"))//, 4)
36    console.log(competitionRank({Andrew: 95, Louis: 95, Riley: 95, Amy: 95, Charlotte: 95}, "Charlotte"))//, 1)
37    console.log(competitionRank({Harry: 81, Elsie: 81, Grayson: 84, John: 84, Alex: 81}, "Elsie"))//, 3)
38    console.log(competitionRank({Innes: 76, Lola: 85, Anna: 92, Cooper: 93, Daniel: 93}, "Cooper"))//, 1)
```

Run

```
PS C:\Users\Admin\Desktop\JSpilot\JavaScript\assign> node .\Standard_Competition_Ranking.js
4
3
3
1
4
2
1
2
2
3
1
4
3
5
2
4
4
1
3
1
PS C:\Users\Admin\Desktop\JSpilot\JavaScript\assign> []
```