In the Name of Allah

Project Title: Prj 21

Programming Software: Visual Studio Code, Version 1.73.1

Programming language: JavaScript

Project Description :

There are two gymnastics teams, Dolphins and Koalas. They compete against each.
Other three times. The winner with the highest average score wins a trophy!
1. Calculate the average score for each team using the test data below
2. Compare the team's average scores to determine the winner of the competition,
And print it to the console. Remember that there can be a draw, so test for that.
As well (draw means they have the same average score)
3. Bonus 1: Include a requirement for a minimum score of 100. With this rule, a
The team only wins if it has a higher score than the other team, and the same time a
a Score of at least 100 points. Hint: Use a logical operator to test for a minimum
Score, as well as multiple else-if blocks 😉
4. Bonus 2: Minimum score also applies to a draw! So interest only happens when
Both teams have the same score, and both have a score greater or equal to 100
Points. Otherwise, no team wins the trophy.
Test data:
§ Data 1: Dolphins score 96, 108, and 89. Koalas score 88, 91 and 110
§ Data Bonus 1: Dolphins score 97, 112, and 101. Koalas score 109, 95 and 123
§ Data Bonus 2: Dolphins score 97, 112, and 101. Koalas score 109, 95 and 106

Project Solution :

```javascript
let averageDolphins = (96 + 108 + 89) / 3;
let averageKoalas = (88 + 91 + 110) / 3;
if (averageDolphins > averageKoalas) console.log(`Winner is Dolphins`);
else if (averageDolphins < averageKoalas) console.log(`Winner is Koalas`);
else console.log(`Dolphins and Koalas have Same Score`);

// 2. Based on Bonus 1
averageDolphins = (97 + 112 + 101) / 3;
averageKoalas = (109 + 95 + 123) / 3;
if (averageDolphins > averageKoalas && averageDolphins >= 100)
  console.log(`Winner is Dolphins`);
else if (averageDolphins < averageKoalas && averageKoalas >= 100)
  console.log(`Winner is Koalas`);
else console.log(`The Game did not have a Winner.`);

// 3. Based on Bonus 2
averageDolphins = (97 + 112 + 101) / 3;
averageKoalas = (109 + 95 + 106) / 3;
if (averageDolphins > averageKoalas && averageDolphins >= 100)
  console.log(`Winner is Dolphins`);
else if (averageDolphins < averageKoalas && averageKoalas >= 100)
  console.log(`Winner is Koalas`);
else if (
  averageDolphins === averageKoalas &&
  averageDolphins >= 100 &&
  averageKoalas >= 100
)
  console.log(`Both Team Win the Trophy`);
else console.log(`No One Wins the Trophy`);
```