ET712 Assignment 5

Create a JavaScript file (link it to an HTML file), and write code for below 3 tasks:

A.
There are two teams, Nets and Knicks. They compete against each other 3 times. The team with the highest average score wins a trophy!

Your tasks:
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. Don't forget that there can be a draw, so test for that as well (draw means they have the same average score)

3. Include a requirement for a minimum score of 100. With this rule, a team only wins if it has a higher score than the other team, and the same time a score of at least 100 points.

Hint: Apply logical operator to test for minimum score, as well as multiple else -if blocks.

4. Minimum score also applies to a draw! So a draw only happens when both teams have the same score and both have a score greater or equal 100 points. Otherwise, no team wins the trophy

Test data:
- Data for 1 & 2: Nets score 96, 108 and 89. Knicks score 88, 91 and 110
- Data for 3: Nets score 97, 112 and 101. Knicks score 109, 95 and 123
- Data for 4: Nets score 97, 112 and 101. Knicks score 109, 95 and 106

B.
Jason wants to build a very simple tip calculator for whenever he goes eating in a restaurant. In his country, it's usual to tip 15% if the bill value is between 30 and 300. If the value is different, the tip is 20%.

1. Your task is to calculate the tip, depending on the bill value. Create a variable called 'tip' for this. Try **not** to use an if/else statement.

2. Print a string to the console containing the bill value, the tip, and the final value (bill + tip). Example: 'The bill was 275, the tip was 41.25, and the total value 316.25'

- TEST DATA: Test for bill values 275, 28 and 430

C. Bonus

Create a function called celsiusToFahrenheit:

1. Store a celsius temperature into a variable. Convert it to fahrenheit and output "NN°C is NN°F". Create a function called fahrenheitToCelsius;

2. Store a fahrenheit temperature into a variable. Convert it to celsius and output "NN°F is NN°C."