JavaScript – Lab 5: Longest Name

Assigned: 10/13/22

Due: 10/17/22

Completed: 10/14/22

<https://lms.grandcircus.co/mod/assign/view.php?id=22727&action=view>

<https://docs.google.com/document/d/1mQlvenKOZbvBfRL2Q9VhC-bRX4WbDqm1nXgBg0XF69k/preview#heading=h.805ch6wkb133>

<https://github.com/clintmsmith/GrandCircusLabs/tree/main/Lab5-Longest_Name>

**Instructions**

**Skills:** Conditions

**Task:** Identify the longest of three names.

**Build Specifications:** Start with three variables name1, name2, and name3 which hold three names.

The code should output the longest of the three names. e.g., "Ada Lovelace has the longest name.". If there is a tie between any two, list both. e.g., “Charles and Brendan tie for the longest name.”. Or if all three names are the same length, output “All three names, Dorothy, Charles, and Brendan, are the same length.”

Make sure to test your code with many different combinations of lengths. There are 7 possible outcomes.

**HTML:** Longest\_Name.html

<script src="./Longest\_Name.js"></script>

**JavaScript:** Longest\_Name.js

let name1 = "Ada Lovelace";

let name2 = "Charles Johnson";

let name3 = "Brendan Pewds";

let name1Length = name1.length;

let name2Length = name2.length;

let name3Length = name3.length;

console.log (name1);

console.log (name1Length);

console.log (name2);

console.log (name2Length);

console.log (name3);

console.log (name3Length);

if (name1Length > name2Length) {

    console.log (`${name1} has the longest name.`);

} else if (name1Length < name2Length) {

    console.log (`${name2} has the longest name.`);

} else if (name1Length === name2Length) {

    console.log (`${name1} and ${name2} tie for the longest name.`);

} else {

    console.log (`None of these apply.`);

}

if        (name1Length > name2Length && name1Length > name3Length) {

    console.log (`${name1} has the longest name.`);

} else if (name2Length > name1Length && name2Length > name3Length) {

    console.log (`${name2} has the longest name.`);

} else if (name3Length > name1Length && name3Length > name2Length) {

    console.log (`${name3} has the longest name.`);

} else if (name1Length === name2Length && name1Length > name3Length) {

    console.log (`${name1} and ${name2} tie for the longest name.`);

} else if (name1Length === name3Length && name1Length > name2Length) {

    console.log (`${name1} and ${name3} tie for the longest name.`);

} else if (name2Length === name3Length && name2Length > name1Length) {

    console.log (`${name2} and ${name3} tie for the longest name.`);

} else if (name1Length === name2Length && name1Length === name3Length) {

    console.log (`All three names, ${name1}, ${name2}, and ${name3}, are the same length.`);

}

I tried this with three different scenarios:

* All three names being different lengths
* Names 2 and 3 being equal length, with Name 1 shorter
* All three names being the same length