

Length of the Longest Word

Background: Clarification is self-explanatory. This function returns the length of the longest substring in a string.

Challenge: [freeCodeCamp](#)

Resources: [MDN Web Docs](#), [w3Schools](#) and [freeCodeCamp](#)

Notes: The code below is intended to be informational and is not meant to be the only way to write a function that determines the longest substring. In addition to the function below, I employed other functions and methods to set conditions and facilitate user interaction.

```
function findLongestWordLength(str) {  
  // convert the string to an array, considering if one or more words are present  
  let strArr = str.split(" ");  
  
  // get the length of the array  
  let longestWordLength = 0;  
  
  //using a for loop, check each word, i, in the array  
  for (let i = 0; i < strArr.length; i++){  
    //if a word in the array is longer than the current longest word  
    if(strArr[i].length > longestWordLength) {  
      // the length of that word becomes the longest length  
      longestWordLength = strArr[i].length;  
    }  
  }  
  // Output: the length of the longest word  
  return longestWordLength;  
}
```

// TESTING THE FUNCTION

```
console.log(findLongestWordLength("Why is the world am I doing this?")); // 5  
console.log(findLongestWordLength("May the force be with you")); // 5  
console.log(findLongestWordLength("Google do a barrel roll")); // 6  
console.log(findLongestWordLength("Javascript reigns supreme!")); // 10  
console.log(findLongestWordLength("I am so interested in this topic")); // 10
```