

## Length of the Longest Word

**Background:** The challenge is to determine the length of the longest word in a string.

**Challenge:** [freeCodeCamp - Basic Algorithm Scripting 4](#)

**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
```