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.

```javascript
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
```