Letter Frequency

18 MAY 2015 on Exercise (/tag/exercise/), Programming Principles (/tag/programming-principles/), Level 2 (/tag/level-2/)

Find the frequency of all characters in a given word or phrase, and print them to the console.

- Contain the characters and their counts within an object.

- Each character will be its own key

- Each value will be the character's frequency.

Example:

```
const phrase = 'slimy smelly solution';

arrayIndex = (str) => {
// Manipulation of str to create an object
}

console.log(arrayIndex(phrase));

//Output: { s: 3, l: 4, i: 2, m: 2, y: 2, ' ': 2, e: 1, o: 2, u: 1, t: 1,
```

Hint

Completing this will require the use of object square bracket notation, which you can learn more about from the MDN page on Working With Objects (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Guide/Working_with_Objects#Objects_and_properties)

Extra Credit

- Output the original string with all duplicate characters removed (i.e. "slimy eoutn").

- Output the same object, sorted by frequency.

Robert Williams (/author/robert/)

Read more posts (/author/robert/) by this author.

Share this post

🐦 (https://twitter.com/ir text=Letter%20Frequenc

(/the-art-of-googling/)

(/loops/)

READ THIS NEXT

YOU MIGHT ENJOY

The Art of Googling

Loops

Motivation for Google-ing Well Less is More Too many words are confusing; Google is not a person, don't...

What is a loop? Any time you find yourself needing to repeat the same code over and over, you'll...