

2/16/2021

W3D1 Objects and Strings

Implement the following and test your code using **the Mocha test file stringTests.js** in the Resources > assignments folder. Follow the standard submission instructions.

- Write the code, one line for each action:
 - Create an empty object `car`
 - Add the property name `make` with value `Toyota`
 - Add the property name `model` with value `Camry`
 - Print the object
 - Without modifying the code structure of the object, change the value of the model to `RAV4`.
 - Print the object
 - Without modifying the code structure of the object, Remove property `make` from the object
 - Print the object
- Write the function `countProperties(obj)` which returns number of properties of an object.
- Write a function `checkSpam(str)` that returns true if str contains text `"lottery"` or `"prize"`, otherwise return false.
- Write a function named `suffix` that returns the common suffix of two strings. For example, the common suffix of "swimming" and "walking" is "ing". This function takes two parameters and returns the common suffix.
- Write a function named `titleCase` with one parameter named `s`. This function returns a copy of `s` but with the first letter of each word capitalized.
- Write a swap function that takes two parameters of number type and swap the values of the passed parameters.
 - Once your function is ready run following code and see if your swap function works?

```
let x = 5;
let y = 7;
console.log(x,y) // 5, 7

swap(x,y);

console.log(x,y) //??
```

- Write the function `getAverageAge(users)` that gets an array of objects with two properties `name` and `age` and returns the average age.

Input	Output
<code>[{name:"abc", age:20}, {name:"xyz", age:10}]</code>	15 (average of 10 and 20)

From Reading:

1. How can you make a copy of an object?
2. How do you remove the white spaces that may be at the beginning and ending of a string value?