

## 04.04 Lab

1. Write a function that takes in a word and returns a message indicating whether the word starts with a vowel or a consonant. The function should also capitalize the first letter of the inputted word:

- if input is "apple", output is 'Apple starts with "A", which is a vowel.'
- if input is "cat", output is 'Cat starts with "C", which is a consonant.'

```
function vowelOrConsonant(word) {  
  // A. replace the first letter with the same letter to uppercase  
  // B. concatenate most of the message  
  // C. check if the set of vowels contains the first letter, to  
  lowercase  
  // D. finish concatenation based on the true-false from  
  includes()  
}
```

E. try out the function

```
console.log(vowelOrConsonant("elephant"));  
// Elephant starts with "E" which is a vowel.  
console.log(vowelOrConsonant("giraffe"));  
// Giraffe starts with "G" which is a consonant.
```

2. Make a news headline from this file name. Expected result: **Mets Lead Off Game By Hitting Three Straight Homers**

```
let fileName = "Mets-Lead-Off-Game-By-Hitting-Three-Straight-  
Homers.html";  
  
// A. replace all hyphens with spaces  
let headline;  
console.log(headline); // Mets Lead Off Game By Hitting Three Straight  
Homers.html  
// get rid of the file extension without assuming ".html" (could be  
".jpg")  
// B. find the index of the last dot, which is where the file  
extension starts  
let lastDotIndex;  
// C. set the string equal to itself up to, but not including, the dot  
console.log(headline); // Mets Lead Off Game By Hitting Three Straight  
Homers
```

3. Write a function that takes in a singular noun and returns the plural of the word, according to these rules:

- if the word ends in "y", drop the "y" and add "ies" // examples: "city" ==> "cities" "cherry" ==> "cherries"
- if the word ends in "o" or "h" add "es" // examples: "mango" ==> "mangoes" "echo" ==> "echoes"
- if the word is in the animals array, the singular and plural are the same
- test the function on the seven words provided, below.

```
const animals = ["deer", "fish", "moose", "sheep", "swine", "bison",  
"cod", "salmon", "shrimp", "trout"];  
  
function makePlural(word) {  
  // A. get the last letter of the inputted word  
  let lastChar;  
  // B. check if the word is in the animals array  
  // C. if it is, so return the word, unchanged  
  // D. check if the word ends in "h" or "o"  
  // E. if it does, form the plural by adding "es"  
  // F. check if the word ends in "y"  
  // G. if it does, concatenate "ies" onto all but the last "y",  
  which we get as slice(0,-1)  
  // H. if none of the above are true, just add "s"  
}  
  
// animals array words are the same in singular and plural  
console.log(makePlural("moose")); // moose  
// word ends in "o", so add "es" to form plural:  
console.log(makePlural("mango")); // mangoes  
// word ends in "h", so add "es":  
console.log(makePlural("peach")); // peaches  
// word ends in "y", so drop "y", so add "ies":  
console.log(makePlural("cherry")); // cherries  
// word ends in "y"--but that's not the only "y"  
console.log(makePlural("boysenberry")); // boysenberries  
console.log(makePlural("cherry")); // cherries  
// none of the above, so just add "s" to form the plural:  
console.log(makePlural("apple")); // apples
```