

# JavaScript Detect Capital

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## Challenge

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Usage of capitals in a word will be deemed correct when one of the following cases is met:

- All letters in the word are capitals, like `'SUPERKLOK'` for instance.
- All letters in the word are not capitals, such as `'superklok'`.
- Only the first letter in the word is capitalized, as in `'Superklok'`.

Given a string word, return `true` if the usage of capitals in it is correct.

### 1<sup>st</sup> Example

Input: word = `'SUPERKLOK'`

Output: `true`



### 2<sup>nd</sup> Example

Input: word = `'SuPeRkLoK'`

Output: `false`



## Constraints

- `1 <= word.length <= 100`
- `word` consists of lowercase and/or uppercase English letters.

## Solution

```
const detectCapitalUse = function(word) {  
  return (word === word.toUpperCase() ||  
    word === word.toLowerCase() ||  
    word === word[0].toUpperCase() +  
      word.slice(1).toLowerCase());  
};
```



## Explanation

I've decided to use the OR operator to return a Boolean based on three different acceptable condition possibilities.

The first condition will return `true` if the `word` is truly equal to the `word` with the `toUpperCase` method applied which transforms the string into all capital letters. This validates that the `word` is correctly written in all capitals.

The second condition will return `true` if the `word` is truly equal to the `word` with the `toLowerCase` method applied which transforms the string into all lowercase letters. This validates that the `word` isn't using any capital letters and it's written entirely in lowercase.

The final condition will return `true` if the letter at `index 0` of the `word` (the first letter of the string) is the same as the first letter of the `word` with the `toUpperCase` method applied, and that all the letters from `index 1` to the end of the `word` (the second letter and all letters that follow it) are equivalent to the letters of the `word` at those indexes but with the `toLowerCase` method applied. This validates that the `word` is only using a capitalized character as the first letter of the `word` and all the other letters that follow are written in lowercase.

If none of the above three conditions are met, then the function returns `false` to indicate that the capitalized characters are not being used correctly in the test string.