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CODE REVIEW

Object keys to lowercase

Asked 2 years, 4 months ago Active 2 years, 4 months ago Viewed 8k times

▲ I wrote a small snippet to convert object keys to lowercase. I would like to listen about the ways to improve the following code:

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```
function toLowerCaseKeys(obj) {  
  return Object.keys(obj).reduce(function(accum, key) {  
    accum[key.toLowerCase()] = obj[key];  
    return accum;  
  }, {});  
}  
  
console.clear();  
console.log(toLowerCaseKeys({'Foo': true}).foo);  
console.log(toLowerCaseKeys({'Fo0': true}).foo);
```

javascript

performance

algorithm

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It's pretty much a trivial piece of code, no? What are you looking to improve upon? You noted "performance" as one of your tags. Have you done anything to compare performance of the approach of using `Object.keys().reduce()` vs. just iterating the object properties (i.e. `for (key in obj) { ... }`) In other words, if you are worried about performance of this method, have you done anything to test the performance such that you are concerned with your approach? – [Mike Brant](#) May 3 '17 at 18:24

- 1 [@MikeBrant](#) The code itself is trivial, but the actual task "convert object keys to lowercase" can be accomplished in different ways. There are many issues to deal with: what if a converted lower case attribute already exists? what about the prototype? is a Proxy better suited? Perhaps CodeYogi could point out what his/her concerns are. – [le_m](#) May 3 '17 at 21:06

[@le_m](#) right, I have written this small snippet and thinking that if it could be written in any better way, the better can mean more performant, flexible etc.
– [CodeYogi](#) May 4 '17 at 3:26

This reeks of premature optimization and possibly the XY problem. – [Joseph](#) May 4 '17 at 8:01

1 Answer



If you can go ES6, you can get a more concise version:

4

```
Object.keys(o).reduce((c, k) => (c[k.toLowerCase()] = o[k], c), {});
```



Now, if one or more strings lowercase into the same string, expect only one of them to remain.



answered May 3 '17 at 17:55



Joseph

23.8k

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37

What about error handling or edge cases? – [CodeYogi](#) May 3 '17 at 18:04