

Solution 1

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 // O(n) time | O(n) space
4 function balancedBrackets(string) {
5   const openingBrackets = '({[';
6   const closingBrackets = ')}]';
7   const matchingBrackets = {'(': ')', '[': ']', '{': '}';
8   const stack = [];
9   for (const char of string) {
10    if (openingBrackets.includes(char)) {
11      stack.push(char);
12    } else if (closingBrackets.includes(char)) {
13      if (stack.length === 0) {
14        return false;
15      }
16      if (stack[stack.length - 1] === matchingBrackets[char]) {
17        stack.pop();
18      } else {
19        return false;
20      }
21    }
22  }
23  return stack.length === 0;
24 }
25
26 exports.balancedBrackets = balancedBrackets;
27
```

Solution 1   Solution 2   Solution 3

```
1 function balancedBrackets(string) {
2   // Write your code here.
3 }
4
5 // Do not edit the line below.
6 exports.balancedBrackets = balancedBrackets;
7
```

Custom Output

Raw Output

Submit Code

**Run or submit code when you're ready.**