

Prompt	Scratchpad	Our Solution(s)	Video Explanation	Run Code	Your Solutions	Run Code
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Solution 1

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 using System.Collections.Generic;
4
5 public class Program {
6     // O(n) time | O(n) space
7     public static bool BalancedBrackets(string str) {
8         string openingBrackets = "([{";
9         string closingBrackets = ")]{";
10        Dictionary<char, char> matchingBrackets = new Dictionary<char, char>();
11        matchingBrackets.Add(')', '(');
12        matchingBrackets.Add(']', '[');
13        matchingBrackets.Add('}', '{');
14        List<char> stack = new List<char>();
15        for (int i = 0; i < str.Length; i++) {
16            char letter = str[i];
17            if (openingBrackets.IndexOf(letter) != -1) {
18                stack.Add(letter);
19            } else if (closingBrackets.IndexOf(letter) != -1) {
20                if (stack.Count == 0) {
21                    return false;
22                }
23                if (stack[stack.Count - 1] == matchingBrackets[letter]) {
24                    stack.RemoveAt(stack.Count - 1);
25                } else {
26                    return false;
27                }
28            }
29        }
30        return stack.Count == 0;
31    }
32 }
33
```

Solution 1 Solution 2 Solution 3

```
1 public class Program {
2     public static bool BalancedBrackets(string str) {
3         // Write your code here.
4         return false;
5     }
6 }
7
```

Custom Output

Raw Output

Submit Code

Run or submit code when you're ready.