

Our Solution(s)Run Code

Solution 1Solution 2

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 public class Program {
4     // O(n^3) time | O(1) space
5     public static string LongestPalindromicSubstring(string str) {
6         string longest = "";
7         for (int i = 0; i < str.Length; i++) {
8             for (int j = i; j < str.Length; j++) {
9                 string substring = str.Substring(i, j + 1 - i);
10                if (substring.Length > longest.Length && IsPalindrome(substring)) {
11                    longest = substring;
12                }
13            }
14        }
15        return longest;
16    }
17
18    public static bool IsPalindrome(string str) {
19        int leftIdx = 0;
20        int rightIdx = str.Length - 1;
21        while (leftIdx < rightIdx) {
22            if (str[leftIdx] != str[rightIdx]) {
23                return false;
24            }
25            leftIdx++;
26            rightIdx--;
27        }
28        return true;
29    }
30 }
31
```

Your SolutionsRun Code

Solution 1Solution 2Solution 3

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

```
1 (Test)
2 [2025-10-10 14:00:00] Test passed: 1
3 [2025-10-10 14:00:00] Test passed: 1
4 [2025-10-10 14:00:00] Test passed: 1
5 [2025-10-10 14:00:00] Test passed: 1
6 [2025-10-10 14:00:00] Test passed: 1
7 [2025-10-10 14:00:00] Test passed: 1
8 [2025-10-10 14:00:00] Test passed: 1
9 [2025-10-10 14:00:00] Test passed: 1
10 [2025-10-10 14:00:00] Test passed: 1
11 [2025-10-10 14:00:00] Test passed: 1
12 [2025-10-10 14:00:00] Test passed: 1
13 [2025-10-10 14:00:00] Test passed: 1
14 [2025-10-10 14:00:00] Test passed: 1
15 [2025-10-10 14:00:00] Test passed: 1
16 [2025-10-10 14:00:00] Test passed: 1
17 [2025-10-10 14:00:00] Test passed: 1
18 [2025-10-10 14:00:00] Test passed: 1
19 [2025-10-10 14:00:00] Test passed: 1
20 [2025-10-10 14:00:00] Test passed: 1
```

Run or submit code when you're ready.