

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

Solution 1	Solution 2	Solution 3
<pre>1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved. 2 3 public class Program { 4     // O(n^2) time   O(1) space 5     public static string LongestPalindromicSubstring(string str) { 6         int[] currentLongest = {0, 1}; 7         for (int i = 1; i &lt; str.Length; i++) { 8             int[] odd = getLongestPalindromeFrom(str, i - 1, i + 1); 9             int[] even = getLongestPalindromeFrom(str, i - 1, i); 10            int[] longest = odd[1] - odd[0] &gt; even[1] - even[0] ? odd : even; 11            currentLongest = currentLongest[1] - currentLongest[0] &gt; 12                longest[1] - longest[0] ? currentLongest : longest; 13        } 14        return str.Substring(currentLongest[0], currentLongest[1] - currentLongest[0]) 15    } 16 17    public static int[] getLongestPalindromeFrom(string str, int leftIdx, int right 18        while (leftIdx &gt;= 0 &amp;&amp; rightIdx &lt; str.Length) { 19            if (str[leftIdx] != str[rightIdx]) { 20                break; 21            } 22            leftIdx--; 23            rightIdx++; 24        } 25        return new int[] {leftIdx + 1, rightIdx}; 26    } 27 } 28</pre>		<pre>1 public class Program { 2     public static string LongestPalindromicSubstring(string str) { 3         // Write your code here. 4         return null; 5     } 6 } 7</pre>

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