30

32 }

Your Solutions

Run Code

Our Solution(s) Run

```
Run Code
```

```
Solution 1
               Solution 2
 _{\rm 1} // Copyright @ 2020 AlgoExpert, LLC. All rights reserved.
   #include <vector>
   using namespace std;
   vector<int> getLongestPalindromeFrom(string str, int leftIdx, int rightIdx);
   // O(n^2) time | O(1) space
   string longestPalindromicSubstring(string str) {
      vector<int> currentLongest{0, 1};
      for (int i = 1; i < str.length(); i++) {</pre>
       vector<int> odd = getLongestPalindromeFrom(str, i - 1, i + 1);
13
        vector<int> even = getLongestPalindromeFrom(str, i - 1, i);
14
        vector < int > longest = odd[1] - odd[0] > even[1] - even[0] ? odd : even;
        currentLongest =
16
            currentLongest[1] - currentLongest[0] > longest[1] - longest[0]
               ? currentLongest
18
                : longest;
19
20
      return str.substr(currentLongest[0], currentLongest[1] - currentLongest[0]);
22
    vector<int> getLongestPalindromeFrom(string str, int leftIdx, int rightIdx) {
      while (leftIdx >= 0 && rightIdx < str.length()) {</pre>
24
25
       if (str[leftIdx] != str[rightIdx]) {
26
         break;
27
        leftIdx--;
28
29
        rightIdx++;
```

return vector<int>{leftIdx + 1, rightIdx};

Solution 1 Solution 2 Solution 3

```
using namespace std;

string longestPalindromicSubstring(string str) {
  // Write your code here.
  return "";
}
```

Custom Output Raw Output Submit Code

Run or submit code when you're ready.