

Our Solution(s)Run Code

Solution 1

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 using System.Collections.Generic;
4
5 public class Program {
6     public class TrieNode {
7         public Dictionary<char, TrieNode> Children = new Dictionary<
8     }
9
10    public class SuffixTrie {
11        public TrieNode root = new TrieNode();
12        public char endSymbol = '*';
13
14        public SuffixTrie(string str) {
15            PopulateSuffixTrieFrom(str);
16        }
17
18        // O(n^2) time | O(n^2) space
19        public void PopulateSuffixTrieFrom(string str) {
20            for (int i = 0; i < str.Length; i++) {
21                insertSubstringStartingAt(i, str);
22            }
23        }
24
25        public void insertSubstringStartingAt(int i, string str) {
26            TrieNode node = root;
27            for (int j = i; j < str.Length; j++) {
28                char letter = str[j];
29                if (!node.Children.ContainsKey(letter)) {
30                    TrieNode newNode = new TrieNode();
31                    node.Children.Add(letter, newNode);
32                }
33                node = node.Children[letter];
```

Your SolutionsRun Code

Solution 1Solution 2Solution 3

```
1 using System.Collections.Generic;
2
3 public class Program {
4     // Do not edit the class below except for the
5     // PopulateSuffixTrieFrom and Contains methods.
6     // Feel free to add new properties and methods
7     // to the class.
8     public class TrieNode {
9         public Dictionary<char, TrieNode> Children = new Dictionary<
10    }
11
12    public class SuffixTrie {
13        public TrieNode root = new TrieNode();
14        public char endSymbol = '*';
15
16        public SuffixTrie(string str) {
17            PopulateSuffixTrieFrom(str);
18        }
19
20        public void PopulateSuffixTrieFrom(string str) {
21            // Write your code here.
22        }
23
24        public bool Contains(string str) {
25            // Write your code here.
26            return false;
27        }
28    }
29 }
30
```

```

1  #!/usr/bin/perl -w
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Run or submit code when you're ready.