AlgoExpert

Quad Layout

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Sublime

Solution 1 Solution 2 Solution 3

Monokai

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Solution 1

Prompt

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Scratchpad

public bool Contains(string str) { TrieNode node = root;

node = node.Children[letter];

char letter = str[i];

return false;

for (int i = 0; i < str.Length; i++) {</pre>

if (!node.Children.ContainsKey(letter)) {

return node.Children.ContainsKey(endSymbol);

Video Explanation Run Code Our Solution(s)

Your Solutions

Run Code

```
// Copyright © 2020 AlgoExpert, LLC. All rights reserved.
    using System.Collections.Generic;
    public class Program {
      public class TrieNode {
       public Dictionary<char, TrieNode> Children = new Dictionary<char, TrieNode>()
10
      public class SuffixTrie {
        public TrieNode root = new TrieNode();
        public char endSymbol = '*';
13
        public SuffixTrie(string str) {
14
          PopulateSuffixTrieFrom(str);
16
        // O(n^2) time | O(n^2) space
18
        public void PopulateSuffixTrieFrom(string str) {
          for (int i = 0; i < str.Length; i++) {</pre>
20
            insertSubstringStartingAt(i, str);
24
        public void insertSubstringStartingAt(int i, string str) {
25
26
          TrieNode node = root;
27
          for (int j = i; j < str.Length; j++) \{
            char letter = str[j];
            if (!node.Children.ContainsKey(letter)) {
30
              TrieNode newNode = new TrieNode();
              node.Children.Add(letter, newNode);
33
            node = node.Children[letter];
34
35
          {\tt node.Children[endSymbol] = null;}
36
38
        // O(m) time | O(1) space
```

```
1 using System.Collections.Generic;
    public class Program {
      \ensuremath{//} Do not edit the class below except for the
      // PopulateSuffixTrieFrom and Contains methods.
      // Feel free to add new properties and methods
      // to the class.
      public class TrieNode {
        public Dictionary<char, TrieNode> Children = new Dictionary<char, TrieNode>()
10
      public class SuffixTrie {
13
        public TrieNode root = new TrieNode();
14
        public char endSymbol = '*';
16
        public SuffixTrie(string str) {
         PopulateSuffixTrieFrom(str);
18
19
        public void PopulateSuffixTrieFrom(string str) {
20
         // Write your code here.
22
        public bool Contains(string str) {
24
          // Write your code here.
26
          return false;
28
29
```

Custom Output Raw Output Submit Code

Run or submit code when you're ready.