

Our Solution(s)	Run Code
Solution 1	
<pre>1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved. 2 3 class Program { 4 class TrieNode { 5 var children: [String: Any] = [:] 6 } 7 8 class SuffixTrie { 9 var root = TrieNode() 10 let endSymbol = "*" 11 12 init(string: String) { 13 populateSuffixTrieFrom(string: string) 14 } 15 16 // O(n^2) time O(n^2) space 17 func populateSuffixTrieFrom(string: String) { 18 for i in 0 ..< string.count { 19 insertSubstringStartingAt(index: i, string: string) 20 } 21 } 22 23 func insertSubstringStartingAt(index: Int, string: String) { 24 var node = root 25 26 for j in index ..< string.count { 27 let jStringIndex = string.index(string.startIndex, offsetBy: j) 28 let jthCharacter = String(string[jStringIndex]) 29 30 if !node.children.keys.contains(jthCharacter) { 31 node.children[jthCharacter] = TrieNode() 32 } 33 } 34 } 35 } 36}</pre>	

Your Solutions			Run Code
Solution 1	Solution 2	Solution 3	
<pre>1 class Program { 2 // Do not edit the class below except for the 3 // populateSuffixTrieFrom and contains methods. 4 // Feel free to add new properties and methods 5 // to the class. 6 class TrieNode { 7 var children: [String: Any] = [:] 8 } 9 10 class SuffixTrie { 11 var root = TrieNode() 12 let endSymbol = "*" 13 14 init(string: String) { 15 populateSuffixTrieFrom(string: string) 16 } 17 18 func populateSuffixTrieFrom(string: String) { 19 // Write your code here. 20 } 21 22 func contains(string: String) -> Bool { 23 // Write your code here. 24 return false 25 } 26 } 27 } 28</pre>			

```

1 def test1():
2     program = Program()
3     method("test case 1") { () {
4         program = test()
5         test() = program.compileString(test())
6         test() = test()
7     }}
8
9     method("test case 2") { () {
10        test() = test()
11        test() = program.compileString(test())
12        test() = test()
13    }}
14
15    method("test case 3") { () {
16        test() = test()
17        test() = program.compileString(test())
18        test() = test()
19    }}
20
21    method("test case 4") { () {
22        test() = test()
23        test() = program.compileString(test())
24        test() = test()
25    }}

```

Run or submit code when you're ready.