AlgoExpert

Solution 1

Quad Layout

C

14рх

Sublime

Solution 1 Solution 2

Monokai

00:00:

Our Solution(s) Run

```
Run Code Your Solutions
```

33

this.value = value;

```
Run Code
```

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
3 using System.Collections.Generic;
5 public class Program {
     public class LRUCache {
       public Dictionary<string, DoublyLinkedListNode> cache = new Diction
           DoublyLinkedListNode>();
9
       public int maxSize;
10
       public int currentSize = 0;
       public DoublyLinkedList listOfMostRecent = new DoublyLinkedList();
11
       public LRUCache(int maxSize) {
14
         this.maxSize = maxSize > 1 ? maxSize : 1;
15
17
       // O(1) time | O(1) space
       public void InsertKeyValuePair(string key, int value) {
18
19
         if (!cache.ContainsKey(key)) {
20
           if (currentSize == maxSize) {
             evictLeastRecent();
21
           } else {
             currentSize++;
           cache.Add(key, new DoublyLinkedListNode(key, value));
26
         } else {
27
           replaceKey(key, value);
28
29
         updateMostRecent(cache[key]);
30
       // O(1) time | O(1) space
32
33
       public LRUResult GetValueFromKey(string key) {
```

```
1 // Do not edit the class below except for the InsertKeyValuePair,
 2 // GetValueFromKey, and GetMostRecentKey methods. Feel free
 3 // to add new properties and methods to the class.
 4 public class Program {
    public class LRUCache {
       public int maxSize;
       public LRUCache(int maxSize) {
9
         this.maxSize = maxSize > 1 ? maxSize : 1;
10
11
       public void InsertKeyValuePair(string key, int value) {
12
13
         // Write your code here.
14
15
       public LRUResult GetValueFromKey(string key) {
16
17
         // Write your code here.
18
         return null;
19
20
21
       public string GetMostRecentKey() {
         // Write your code here.
         return null;
24
26
27
     public class LRUResult {
28
       public bool found;
29
       public int value;
30
31
       public LRUResult(bool found, int value) {
32
         this.found = found;
```

Solution 3

 Our Tests
 Custom Output
 Submit Code



Run or submit code when you're ready.