AlgoExpert

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Quad Layout

Java

14рх

Your Solutions

Sublime

Monokai

00:00:

Run Code

Our Solution(s) Run Code

```
Solution 1
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
3 import java.util.*;
5 class Program {
     static class LRUCache {
       Map<String, DoublyLinkedListNode> cache = new HashMap<String, Double</pre>
       int maxSize;
9
       int currentSize = 0;
       DoublyLinkedList listOfMostRecent = new DoublyLinkedList();
10
11
       public LRUCache(int maxSize) {
12
         this.maxSize = maxSize > 1 ? maxSize : 1;
14
15
       // O(1) time | O(1) space
16
17
       public void insertKeyValuePair(String key, int value) {
18
         if (!cache.containsKey(key)) {
19
           if (currentSize == maxSize) {
             evictLeastRecent();
20
21
           } else {
             currentSize++;
           cache.put(key, new DoublyLinkedListNode(key, value));
         } else {
26
           replaceKey(key, value);
```

updateMostRecent(cache.get(key));

if (!cache.containsKey(key)) {

public LRUResult getValueFromKey(String key) {

to think their strates and the strategy their

// O(1) time | O(1) space

```
Solution 1 Solution 2 Solution 3

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 class Program {
    static class LRUCache {
       int maxSize;
       public LRUCache(int maxSize) {
         this.maxSize = maxSize > 1 ? maxSize : 1;
9
10
11
12
       public void insertKeyValuePair(String key, int value) {
13
         // Write your code here.
14
15
       public LRUResult getValueFromKey(String key) {
16
17
         // Write your code here.
18
         return null;
19
20
       public String getMostRecentKey() {
21
         // Write your code here.
         return null;
24
25
26
27
      static class LRUResult {
28
       boolean found;
29
       int value;
30
31
       public LRUResult(boolean found, int value) {
32
         this.found = found;
```

33

this.value = value;



Run or submit code when you're ready.