

i $\{\}$ \hookrightarrow \odot \square

Medium 11557 452 Add to List Share

Implement the `LRUCache` class:

- The functions `get` and `put` must each run in $O(1)$ average time complexity.

Input

Output

Explanation

```

1  class LRUCache {
2
3      public LRUCache(int capacity) {
4
5      }
6
7      public int get(int key) {
8
9      }
10
11     public void put(int key, int value) {
12
13     }
14 }
15
16 /**
17  * Your LRUCache object will be instantiated and called as such:
18  * LRUCache obj = new LRUCache(capacity);
19  * int param_1 = obj.get(key);
20  * obj.put(key,value);
21  */

```

- $1 \leq \text{capacity} \leq 3000$
- $0 \leq \text{key} \leq 10^4$
- $0 \leq \text{value} \leq 10^5$
- At most $2 \cdot 10^5$ calls will be made to `get` and `put`.

Seen this question in a real interview before?

Related Topics

Similar Questions