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List all your submissions.

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Problems not solved yet.

FAQS

Need help using the tool?

ANSWERS

What does this mean?

FORUM

Get help to solve problems.

SOURCE CODE

EDIT & SUBMIT

VISUALIZE THE SOURCE CODE OF YOUR SUBMISSION, PLUS SOME EXTRA DETAILS.

SUBMISSION # 42665217

PROBLEM:1256 - Hash Tables

ANSWER:Accepted

LANGUAGE:Python 3.9 (Python 3.9.4) [+1s]

RUNTIME:0.241s

FILE SIZE:997 Bytes

MEMORY:-

SUBMISSION:11/30/24, 4:25:49 AM

SOURCE CODE

```
1 def hash(key, M):
2     return key % M
3
4
5 def start_hash_table(M):
6     hash_table = {}
7     for i in range(M):
8         hash_table[i] = []
9     return hash_table
10
11
12 def insert_hash_table(key, item, hash_table, M):
13     pos = hash(key, M)
14     hash_table[pos].append(item)
15
16
17
18 test_cases = int(input())
19 answer = ''
20 for i in range(test_cases):
21     table_size, number_of_cases = list(map(int, input().split()))
22
23     hash_table = start_hash_table(table_size)
24     input_user = input().split()
25     for j in range(number_of_cases):
26         key = int(input_user[j])
27         insert_hash_table(key, key, hash_table, table_size)
28
29     # Print output for the current hash table
30     for j in range(table_size):
31         line = str(j)+' -> '
32         for value in hash_table[j]:
33             line+= str(value) + ' -> '
34         line+='\\n'
35         answer+=line+'\\n'
36     # If is not the last output, print break line
37     if(not(i==test_cases-1)):
38         answer+='\\n'
39 print(answer, end='')
40
```

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