

Hashmap.

^K
S/C/I/...

^V
S/C/I/...

No. of in cars in a
city.

| key | Value. |
|------------|--------------------|
| Delhi | 480 |
| HR | 120 |
| <u>Mum</u> | 490 400 |
| UP | 500 |
| KL | 600 |

✓
hm.get("HR"); → 120

KL → 600 + add.

hm.put(K, V);
("KL", 600);

hm.put("Mum", 400);

First non repeating ch.

8 → geekugeek
0 1 2 3 4 5 6 7 8
 4 4

1 time → created freq map

2nd time →

<C, 17>

| | |
|---|---|
| g | 2 |
| e | 4 |
| k | 2 |
| u | 1 |
| | |
| | |

} freq map

-1

Contains Duplicate

① 2 3 4 5

| k | v |
|---|---|
| 1 | 1 |
| 2 | 1 |
| 3 | 1 |
| 4 | 1 |
| 5 | 1 |

} freq map
= 1 → false.

| k | v |
|---|---|
| 1 | 2 |
| 2 | 2 |
| 5 | 1 |

1 1 2 5 2
true.

1. Array →

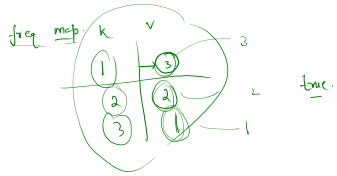
2. freq map

3. to check all values
if any one has value > 1
→ true.

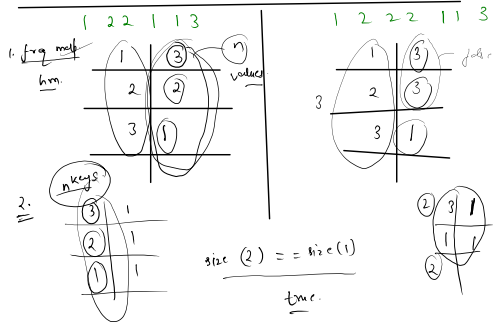
get default ()
val = get(key)

Unique: Number of Occurrence.

A → 1 2 2 1 1 3



A → 1 2 2 2 1 1 3



containskey()

1 2 2 1 1 3



1 2 2 1 3

