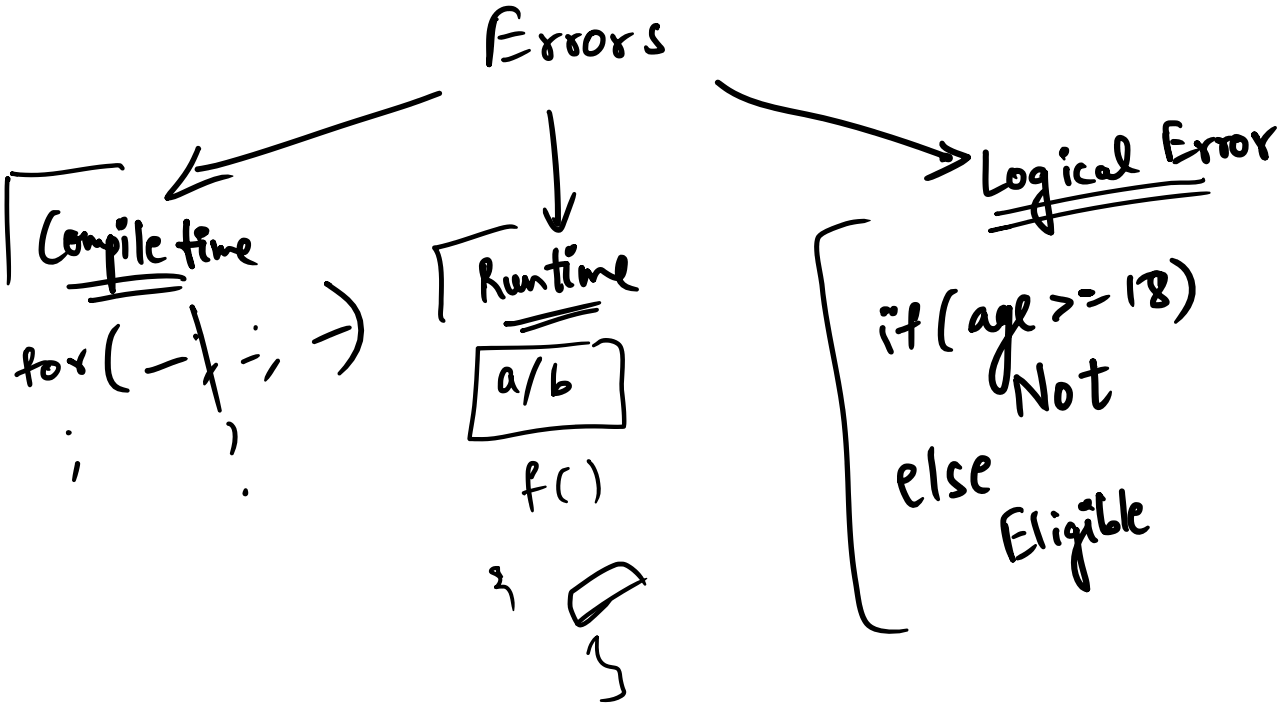
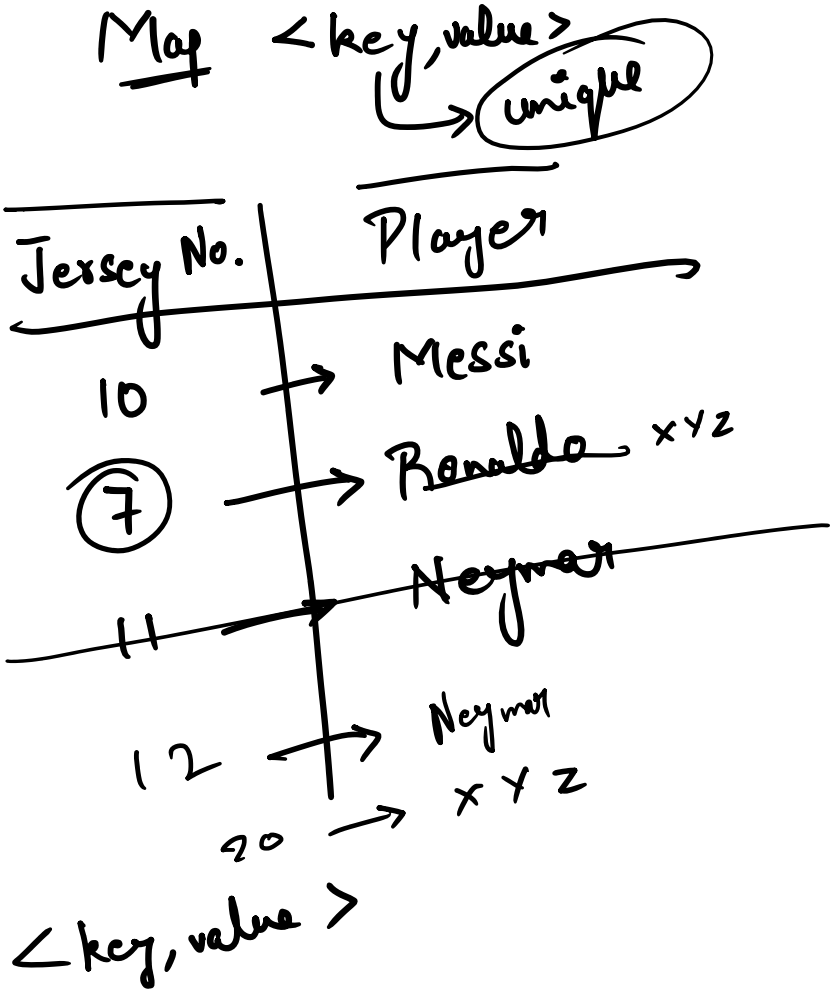


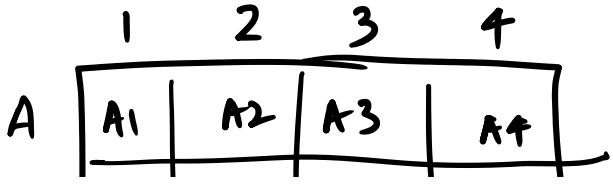


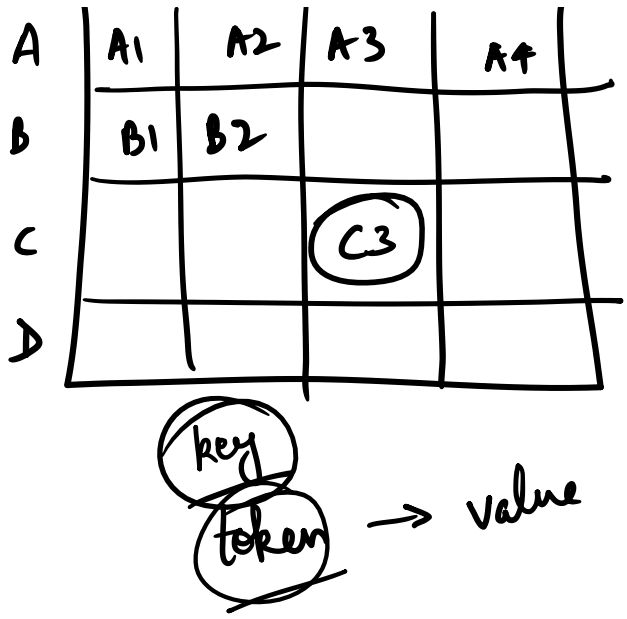
ContactBook

Phone No. → key

Name → value

(20, xyz)





CRUD

C →

R →

U/I →

D →

O(1)

O(n)

["occurences", "frequency", "count"]

(Map vs Obj)

ob = {

obj[10] = _ }

obj["10"] = _

"hello world" → [1, 3]

aAbAac → [A, 2]

97 65

"hello world"

c = l , count = 3

(key) Character	(value) count
h	1
e	1
l	3
o	2
' '	1
w	1
r	1
d	1

Array Destructuring

arr = [10, 20, 30, 40]

a = arr[0]
b = arr[1]
c = [2]
d = [3]

[a, b, c, d] = [10, 20, 30, 40]

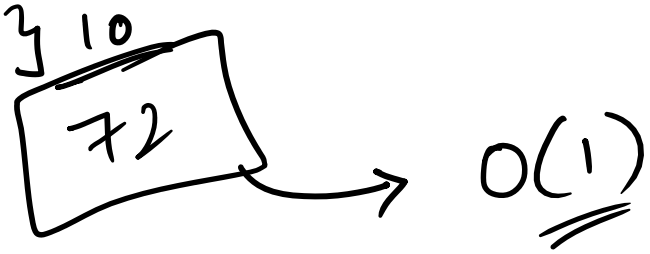
[h, 1] ←
[l, 3]

for of
for in

[0, 2]

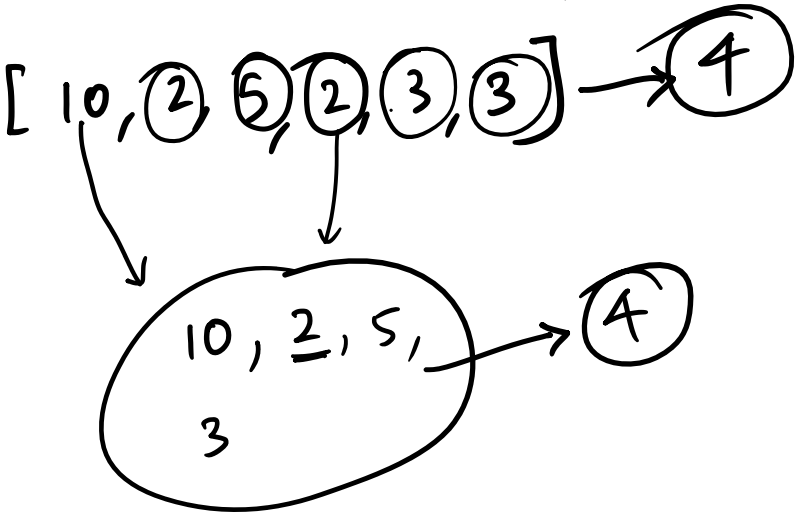
a-z } 26
A-z } 26
0-9 } 10
.$# } 10

Map
↳ 26
26 { a → 102
b → 3000
d → xyz



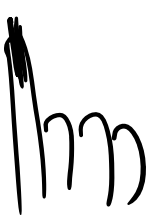
Set <key> → unique

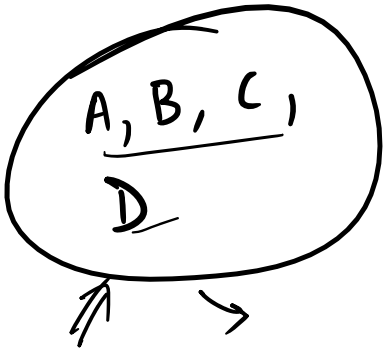
[unique, distinct, duplicate]



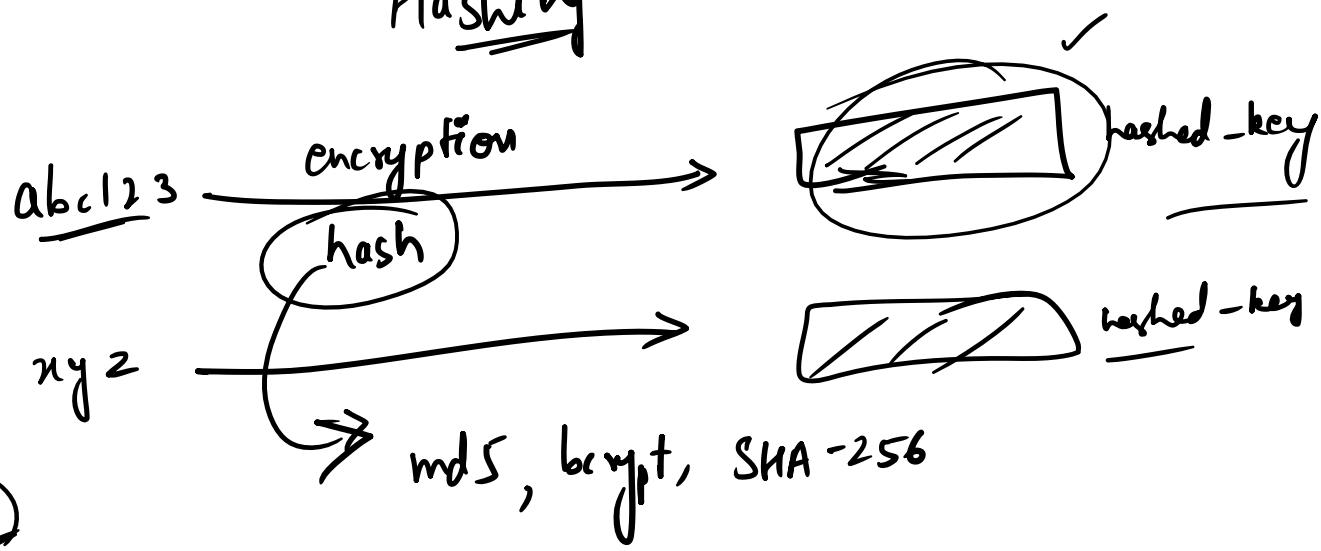
C →
R →
U → add(

Voting

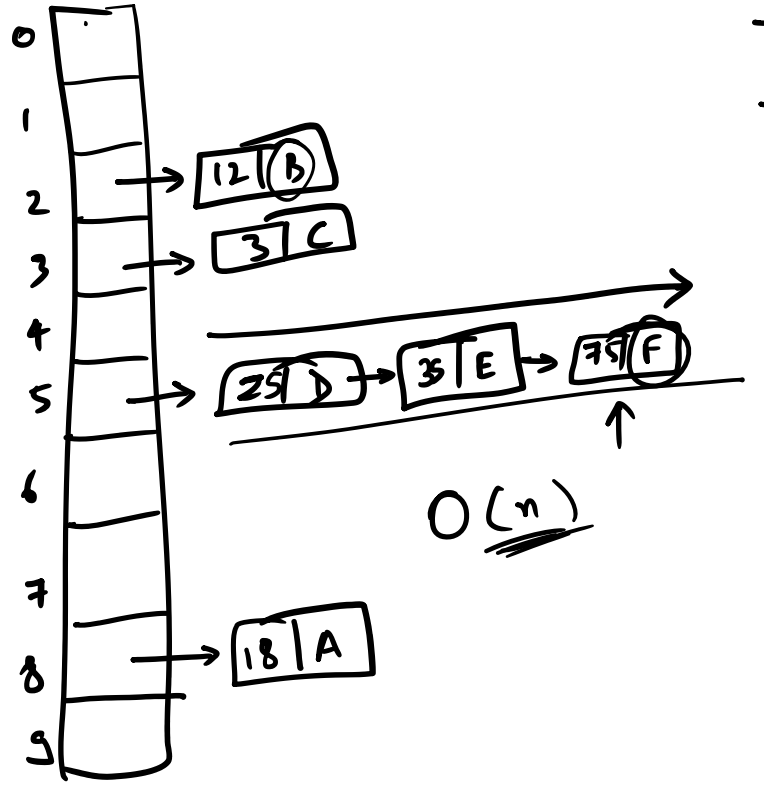




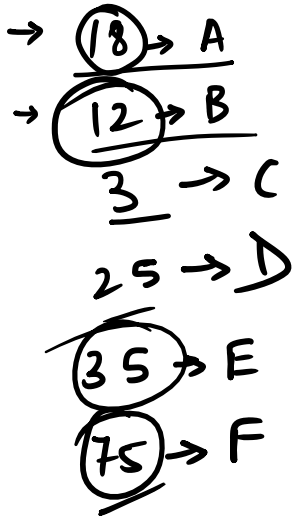
Hashing



O(1)



O(n)




```
hash( x )
{
    return x % 10
}
```

Hash Collision

arr[idx]
↳ O(1)