

Given integer array, return true if any value appears at least twice in the array, else false.

$[1, 2, 3, 1] \rightarrow \text{True}$

$[1, 2, 3, 4] \rightarrow \text{False}$

hashmap = {

traverse through list $\rightarrow O(n)$ \rightarrow '1': 2

create a hashmap $\rightarrow O(n)$ \rightarrow '2': 1

'3': 1

}

input array

set(input)

length == input

return True

else

when, me

~~$O(n^2)$~~ $\sim O(n)$

$O(n)$ \rightarrow space

[1, 8, 9, 1, 2, 3, 2, 4, 8]

Sorted

[1, 1, 2, 2, 3, 4, 8, 8, 9] $O(n \log n)$ Time

$O(n)$
or
 $O(1)$

traverse through the sorted list,

if curr is equal to next

Brute force $\rightarrow O(n^2)$ time

$O(1)$ \rightarrow space