Graphical user interface, application, Teams

Description automatically generated with medium confidence

**Solution 1:**

class Solution:

    def containsDuplicate(self, nums: List[int]) -> bool:

        list\_len= len(nums)

        unique\_len = len(set(nums))

        if list\_len == unique\_len:

            return False

        else:

            return True

demo = Solution()

demo.containsDuplicate([1,2,3,1])

**Output:**

true

**Time Complexity:** O(n)

**Space Complexity:** O(n)

**Solution 2:**

class Solution:

    def containsDuplicate(self, nums: List[int]) -> bool:

        hashset = set()

        for i in nums:

            if i in hashset:

                return True

            hashset.add(i)

        return False

demo = Solution()

demo.containsDuplicate([1,2,3,1])

**Output:**

true

**Time Complexity:** O(n)

**Space Complexity:** O(n)