

BestSolution

Sunday, 7 May 2023

11:49 AM

nums = [1, 2, 3, 1]

Approach:-

- ① Create a memory variable which will store the iterated elements.
- ② Now, start the iteration over nums
- ③ Check, if each element already present in memory
- ④ If it's present, then return True & end program
- ④ If it's not present, then store that element in the memory, and continue the loop
- ⑤ After the loop, just return False as it means all values are distinct.

nums = [1, 2, 3, 1]

↙ return true.

memory = [1, 2, 3]

```
nums = [1, 2, 3, 1]
def answer(nums):
    memory = []
    for i in nums:
        if i in memory:
            return 'true'
        memory.append(i)
    return 'false'
```

```
        return 'false'  
print(answer(nums))
```

```
# in this solution -> Time Complexity =  
O(n), however we are using memory of O(n)  
# but still it's the best possible solution
```