

Given an integer array nums, return true if any value appears more than once in the array, otherwise return false

Working Out -

Can't have duplicates \therefore use sets

create a set

iterate through input array
and add to set if that value is not
in the set.

If it is return true

Python:

```
def duplicate(nums):
```

```
    seen_nums = set()
```

```
    for i in nums:
```

```
        if i in seen_nums:
```

```
            return True
```

```
        else:
```

```
            seen_nums.add(i)
```

```
    return False
```

✓ Correct

will exit the loop w/ a True

will execute once loop is complete
i.e. no duplicates

