287. Find the Duplicate Number

AP1->SORT APPROCH IF(I==I+1)RETURN I;;

AP2->USE MAP

```cpp
class Solution {
public:
    int findDuplicate(vector<int>& nums) {
        sort(nums.begin(),nums.end());
        int n=nums.size();
        for(int i=0;i<n;i++){
            if(nums[i]==nums[i+1]){
                return nums[i];
                break;
            }
        }
        return n;
    }
};
```