Find All Numbers Disappeared in an Array

Try to solve the Find All Numbers Disappeared in an Array problem.

Statement

Given an array, `nums`, of n integers where `nums[i]` is in the range $[1, n]$, return an array of all the integers in the range $[1, n]$ that doesn't appear in `nums`.

Constraints:

- $n =$ `nums.length`
- $1 \leq n \leq 10^5$
- $1 \leq$ `nums[i]` $\leq n$

Examples

Sample example 1

Input

nums	[2, 2, 3, 9, 8, 4, 5, 7, 6]

Output

result	[1]

Sample example 2

Input

nums	[12, 8, 7, 3, 5, 2, 3, 9, 8, 10, 1, 1]

Output

result	[4, 6, 11]

Understand the problem

Let's take a moment to make sure you've correctly understood the problem. The quiz below helps you check if you're solving the correct problem:

Find All Numbers Disappeared in an Array

1 What is the output if the following array is given as input?

nums = [1, 2, 7, 3, 8, 3, 4]

A) [5, 6]

B) [0, 5, 6]

C) [1, 2, 3, 3, 4, 5, 6, 7, 8]

Submit Answer

< Question 1 of 2
0 attempted >

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Try it yourself

Implement your solution in the following coding playground:

🍵 Java

usercode > FindDisappearedNumbers.java

```java
1   import java.util.*;
4       public static List<Integer> findDisappearedNumbers(int[] nums) {
5
6           // Your code will replace the placeholder return statement.
7           return new ArrayList<>();
8
9       }
10  }
```

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Test Cases   Results

Case 1   Case 2   Case 3

Input #1

```
[1,2,5,2,2]
```

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