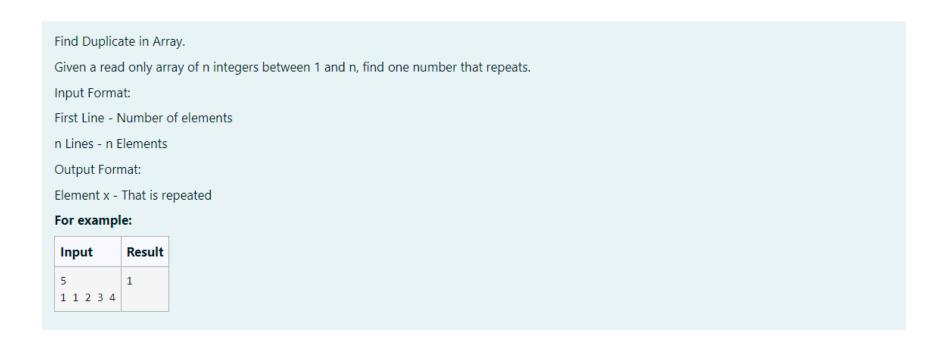
## **COMPETITIVE PROGRAMMING**

## 1. Finding Duplicates-O(n^2) Time Complexity, O(1) Space Complexity

	Input	Expected	Got		
~	11 10 9 7 6 5 1 2 3 8 4 7	7	7	<b>~</b>	
~	5 1 2 3 4 4	4	4	~	
~	5 1 1 2 3 4	1	1	~	
Passed all tests! 🗸					

## 2. Finding Duplicates-O(n) Time Complexity, O(1) Space Complexity



```
#include<stdio.h>
int main(){
   int arr[100],a,b;scanf("%d",&a);
   for(int i=0;i<a;i++){
      scanf("%d",&b);
      if(!arr[b])arr[b]=1;
      else printf("%d",b);}}</pre>
```

	Input	Expected	Got		
~	11 10 9 7 6 5 1 2 3 8 4 7	7	7	<b>~</b>	
~	5 1 2 3 4 4	4	4	~	
~	5 1 1 2 3 4	1	1	~	
Passed all tests!					