

# STUDENT REPORT

## DETAILS

Name

KOTHAPELLY SAI SIDHARTHA

Roll Number

2103A52091

## EXPERIMENT

Title

FIND THE DUPLICATE NUMBER

Description

Given an array of integers `nums` containing `n + 1` integers where each integer is in the range `[1, n]` inclusive.

There is only **one repeated number** in `nums`, return *this repeated number*.

You must solve the problem **without** modifying the array `nums` and uses only constant extra space.

**Input:** nums = [1,3,4,2,2]  
**Output:** 2

Source Code:

```
li=list(map(int,input().split()))
d={}
for i in li:
    if i in d:
        d[i]=d[i]+1
    else:
        d[i]=1
for i in d.keys():
    if(d[i]>=2):
        print(i,end=" ")
```

## RESULT

3 / 3 Test Cases Passed | 100

## VIVA RESPONSES

Q)

Q)

Q)

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