

Rajalakshmi Engineering College

Name: Priyan Kumar S
Email: 240701401@rajalakshmi.edu.in
Roll no: 240701401
Phone: 7305916381
Branch: REC
Department: CSE - Section 8
Batch: 2028
Degree: B.E - CSE

Scan to verify results



2024_28_III_OOPS Using Java Lab

2028_REC_OOPS using Java_Week 3_Q5

Attempt : 1
Total Mark : 10
Marks Obtained : 10

Section 1 : Coding

1. Problem Statement

Sharon is creating a program that finds the first repeated element in an integer array. The program should efficiently identify the first element that appears more than once in the given array. If no such element is found, it should appropriately display a message.

Help Sharon to complete the program.

Input Format

The first line of input consists of an integer n , representing the number of elements in the array.

The second line consists of n space-separated integers, representing the array elements.

Output Format

If a repeated element is found, print the first element that appears more than once.

If no repeated element is found, print "No repeated element found in the array".

Refer to the sample output for formatting specifications.

Sample Test Case

Input: 8

12 21 13 14 21 36 47 21

Output: 21

Answer

```
import java.util.*;
import java.io.*;
class find{
    public static void main(String[] args){
        Scanner s=new Scanner(System.in);
        int n=s.nextInt();
        int flag=1;
        int[] arr;
        arr= new int[n];
        for(int i=0;i<n;i++){
            arr[i]=s.nextInt();
        }
        int[] arr2;
        arr2=new int[n];
        for(int i=0;i<n;i++){
            arr2[i]=arr[i];
        }
        for(int i=0;i<n;i++){
            for(int j=i+1;j<n;j++){
                if(arr[i]==arr2[j]){
                    System.out.println(arr[i]);
                    flag--;
                    break;
                }
            }
        }
    }
}
```

```
        if(flag==0){
            break;
        }
    }
}
if(flag==1){
    System.out.println("No repeated element found in the array");
}
}
}
```

Status : Correct

Marks : 10/10