i = 0 , j = 1

j = i+1 — 2, 3, 4

arr[i] → 1 2 3 4 5

1 2	2 3	3 4	4 5
1 3	2 4	3 5	
1 4	2 5		
1 5			

i = 0

j = 1 to 4

arr[i]. arr[j]

S.o.pln(arr[0]+" "+arr[1]

arr[0] arr[2]

arr[0] arr[3]

arr[0] arr[4]

→ 1 2

→ 1 3

→ 1 4

→ 1 5

i = 1

j = 2 to 4

```
for(int i=0;i<n;i++){
for(int j=i+1;j<n;j++){
 S.o.pln(arr[i]+" "
        +arr[j]);
 }
}
```

arr(i) + " " +arr(j]

arr[1] arr[2]

2 3

arr[1] arr[3]

2 4

arr[1] arr[4]

Duplicate Numbers

i:=0 to n-1

```
0 1 2 3 4 5 6
[1, 1, 1, 2, 2, 3, 3]
 0 1 2 3 4 5 6
```

arr[0]
arr[1]
arr[2]
arr[6]

1 → 3
2 → 2
3 → 2

Output → 1

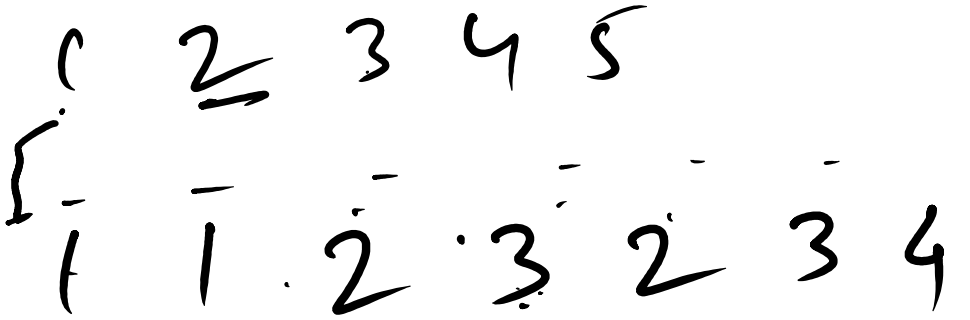
```
[1, 1, 1, 2, 2, 3, 3]
 0  1  2  3  4  5  6
```

```
int max = Integer.MIN_VALUE;
int count=1; int maxelement;
for(int i=0; i<n; i++){
    count=1;
    for(int j=i+1; j<n; j++){
        if(arr[j]==arr[i]){
            count++;
```

```
        if(
            count++;
        }
    }
    if(count>max){
        max=count;
        maxElement=arr[i];
    }
}
```

08 November 2024 21:22

Double Occurence



1 2 3

1 → 2 → 1.

2 → 2 → 2

3 → 2 → 3

```java
import java.io.*;
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        /* Enter your code here. Read input from STDIN. Print outp
        Scanner sc = new Scanner(System.in);
        int n = sc.nextInt();
        int arr1[] = new int[n];
        for(int i=0;i<n;i++){
            arr1[i]= sc.nextInt();
        }
        int m = sc.nextInt();
        int arr2[] = new int[m];
        for(int i=0;i<m;i++){
            arr2[i] = sc.nextInt();
        }
        int count =0;
        for(int i=0;i<n;i++){
            count=0;
            for(int j=0;j<m;j++){
               if(arr2[j]==arr1[i]){
                   count++;
               }
            }
            if(count==2){
                System.out.print(arr1[i]+" ");
            }
        }
    }
}
```