

LE-SUCCESS TRAINING

DAY-3(TASK)

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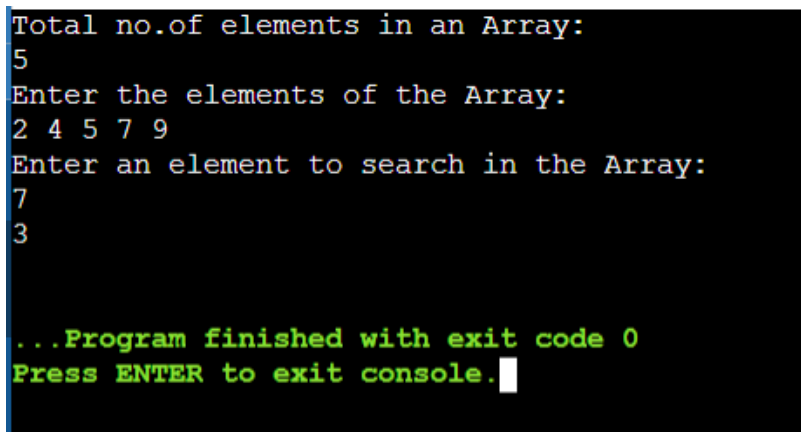
PROGRAM-1

```
import java.util.*;

public class Main {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in)
        System.out.println("Total no.of elements in an Array:");
        int n = sc.nextInt();
        int[] arr = new int[n];
        System.out.println("Enter the elements of the Array:");
        for (int i = 0; i < n; i++) {
            arr[i] = sc.nextInt();
        }
        System.out.println("Enter an element to search in the Array:");
        int search = sc.nextInt();

        for (int i = 0; i < n; i++) {
            if (arr[i] == search) {
                System.out.println(i);
                return;
            }
        }
        System.out.println("Not Found");
    }
}
```

OUTPUT



```
Total no.of elements in an Array:
5
Enter the elements of the Array:
2 4 5 7 9
Enter an element to search in the Array:
7
3

...Program finished with exit code 0
Press ENTER to exit console.
```

PROGRAM-2

```
import java.util.*;

public class Main {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Total no.of elements in an Array:");
        int n = sc.nextInt();
        int[] arr = new int[n];

        System.out.println("Enter the elements of the Array:");
        for (int i = 0; i < n; i++) {
            arr[i] = sc.nextInt();
        }
        System.out.println("Duplicate elements in the Array:");
        int count = 0;
        for (int i = 0; i < n; i++) {
            for (int j = i + 1; j < n; j++) {
                if (arr[i] == arr[j]) {
                    System.out.print(arr[i] + " ");
                    count++;
                    break;
                }
            }
        }
        if (count == 0) {
            System.out.println("No Duplicates.");
        }
    }
}
```

OUTPUT

```
Total no.of elements in an Array:
6
Enter the elements of the Array:
2 2 4 5 6 6
Duplicate elements in the Array:
2 6

...Program finished with exit code 0
Press ENTER to exit console.
```

PROGRAM-3

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

```
public class Main {  
    public static void main(String[] args) {  
        Scanner sc = new Scanner(System.in);  
        System.out.println("Total no.of elements in an Array:");  
        int n = sc.nextInt();  
        int[] arr = new int[n];  
        System.out.println("Enter the elements of the Array:");  
        for (int i = 0; i < n; i++) {  
            arr[i] = sc.nextInt();  
        }  
        System.out.println("No.of times to rotate the Array Elements:");  
        int k=sc.nextInt();  
        k = k % n;  
        for (int i = k; i < n; i++) {  
            System.out.print(arr[i] + " ");  
        }  
        for (int i = 0; i < k; i++) {  
            System.out.print(arr[i] + " ");  
        }  
    }  
}
```

OUTPUT

```
Total no.of elements in an Array:  
5  
Enter the elements of the Array:  
1 2 3 4 5  
No.of times to rotate the Array Elements:  
2  
Array after 2 left rotations:  
3 4 5 1 2  
  
...Program finished with exit code 0  
Press ENTER to exit console.□
```