LE-SUCCESS TRAINING
DAY-3(TASK)

NAME : P.ANGEL
REG.NO : 95192202007

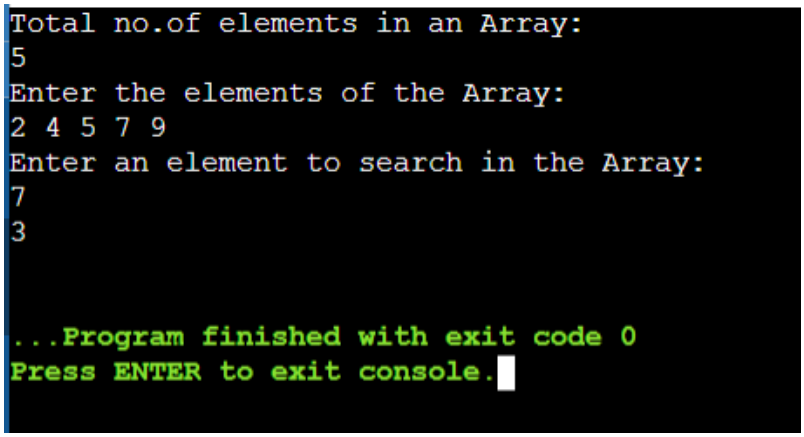
PROGRAM-1

```
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



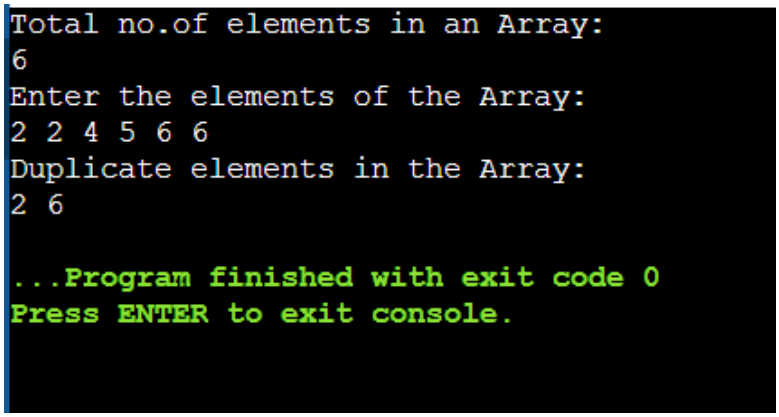
PROGRAM-2

```
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



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