import java.util.Scanner;  
  
public class linearSearch {  
  
 public static void main(String[] args){  
  
 int[] arr = {10,20,30,40,50};  
  
 Scanner sc = new Scanner(System.*in);  
 System.out.println("Enter the element to be searched");  
 int searchValue = sc.nextInt();  
 int result = (int) linearing(arr,searchValue);  
  
 if(result==-1){  
  
 System.out.println("Element not in the array");  
 } else {  
  
 System.out.println("Element found at "+result+" and the search key is "+arr[result]);  
 }  
  
  
 }  
  
  
  
  
public static int linearing(int arr[], int x) {  
  
 int arrlength = arr.length;  
 for (int i = 0; i < arrlength - 1; i++) {  
  
 if (arr[i] == x) {  
  
 return i;  
  
 }  
 }  
  
 return -1;  
  
 }  
  
}*