PROGRAM:

```java
import java.util.*;
class Search
{
public static void main(String Args[])
{
int k,i=0,n;
System.out.println("Enter the number of elements");
Scanner ab=new Scanner(System.in);
n=ab.nextInt();
int a[]=new int[n];
System.out.println("Enter the elements of the array:");
for(i=0;i<n;i++)
{
a[i]=ab.nextInt();
}
System.out.println("Enter the element to be searched:");
k=ab.nextInt();
while(i<n)
{
if(k==a[i])
{
System.out.println(k+"is found at"+i);
}
else
{
i++;
}
}
}
}
```

OUTPUT:

D:\Aniket JAVA>javac Search.java

D:\Aniket JAVA>java Search

Enter the number of elements

4

Enter the elements of the array:

33

22

11

44

Enter the element to be searched:

11

11 is found at 3

PROGRAM:

import java.util.*;

class MergeArray

{

public static void main(String[] args)

{

    int[]a= new int[5];

    int[]b =new int[5];

    int[]c = new int[a.length+b.length];

    int count=0,i= 0,k=0,l=0,j=0;

Scanner ab=new Scanner(System.in);

    System.out.println("Enter the elements of array 1:");

    for(i=0;i<5;i++)

{

a[i]=ab.nextInt();

}

System.out.println("Enter the elements of array 2:");

```java
    for(k=0;k<5;k++)
{
b[k]=ab.nextInt();
}
    for(l = 0; l<a.length; l++) {
      c[l] = a[l];
      count++;
    }
    for(j = 0;j<b.length;j++) {
      c[count++] = b[j];
    }
    for(i = 0;i<c.length;i++) System.out.print(c[i]+" ");
  }
}
```

OUTPUT:

D:\Aniket JAVA>java MergeArray

Enter the elements of array 1:

12 13 14 15 17

Enter the elements of array 2:

8 10 11 3 19

12 13 14 15 17 8 10 11 3 19