Write a java program to implement an array.

import java.util.\*;

class Binary

{

public static void main(String args[])

{

int a[]=new int[20];

int i,n,key,mid,l,h;

Scanner sc=new Scanner(System.in);

System.out.println("Enter size of array");

n=sc.nextInt();

System.out.println("Enter the array elements in ascending order");

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

{

a[i]=sc.nextInt();

}

System.out.println("Enter key");

key=sc.nextInt();

l=0;

h=n-1;

while(l<=h)

{

mid=(l+h)/2;

if(key==a[mid])

{

System.out.println("Element found at "+(mid+1));

break;

}

else if(key<a[mid])

h=mid-1;

else

l=mid+1;

}

if(l>h)

System.out.println("Element is not found");

}

}

Output:

