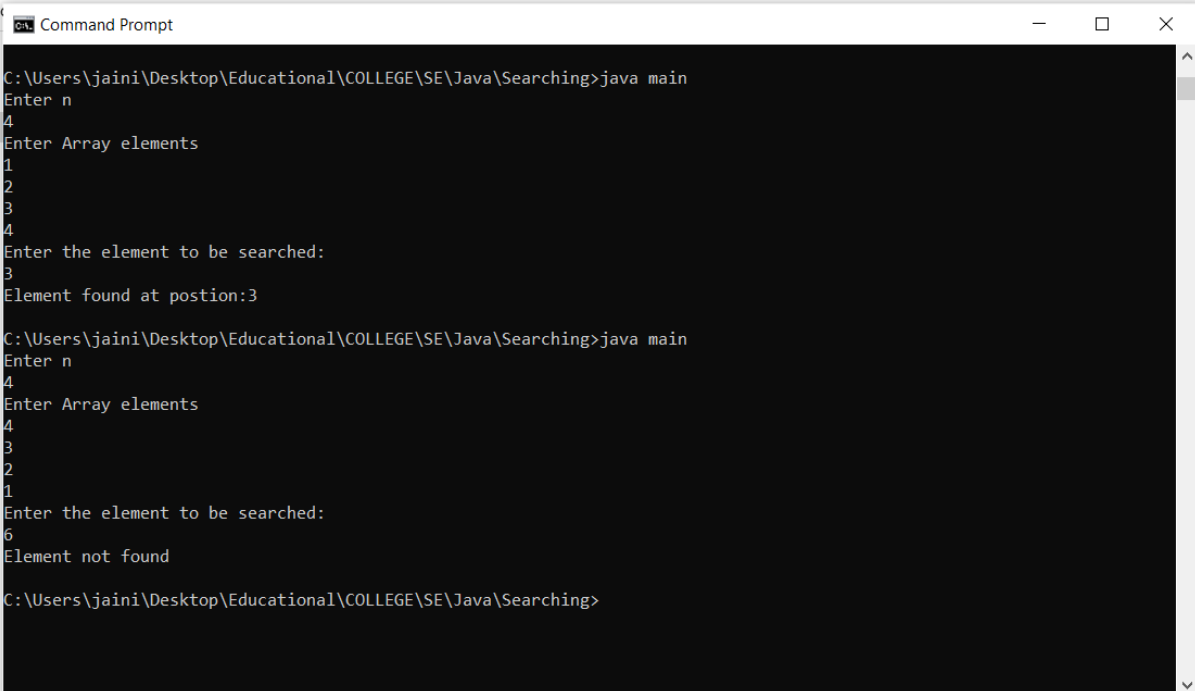


6.Searching

```
import java.util.*;

class main
{
    public static void main(String args[])
    {
        int n,i,j,x,pos=0;
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter n");
        n=sc.nextInt();
        int[] a=new int[n];
        System.out.println("Enter Array elements");
        for(i=0;i<n;i++)
        {
            a[i]=sc.nextInt();
        }
        System.out.println("Enter the element to be searched:");
        x=sc.nextInt();
        for(i=0;i<n;i++)
        {
            if(a[i]==x)
            {
                pos=i+1;
                break;
            }
            else
                pos=-1;
        }
        if(pos==1)
        {
```

```
        System.out.println("Element not found");
    }
    else
    {
        System.out.println("Element found at postion:"+pos);
    }
}
}
```



```
Command Prompt
C:\Users\jaini\Desktop\Educational\COLLEGE\SE\Java\Searching>java main
Enter n
4
Enter Array elements
1
2
3
4
Enter the element to be searched:
3
Element found at postion:3

C:\Users\jaini\Desktop\Educational\COLLEGE\SE\Java\Searching>java main
Enter n
4
Enter Array elements
4
3
2
1
Enter the element to be searched:
6
Element not found

C:\Users\jaini\Desktop\Educational\COLLEGE\SE\Java\Searching>
```