

*/*Program to find an Element in an array (Linear search)*/*

```
import java.util.*;

class EleSearch
{
    public static void main(String[] args)
    {
        Scanner s=new Scanner(System.in);
        int n,key,find=0;
        System.out.println("Enter number of elements : ");
        n=s.nextInt();
        int ele[]=new int[n];
        System.out.println("Enter "+n+" elements : ");
        for(int i=0;i<n;i++)
        {
            ele[i]=s.nextInt();
        }
        System.out.println("Enter an Element to search : ");
        key=s.nextInt();
        for(int i=0;i<n;i++)
        {
            if (ele[i]==key)
```

```

        {
            System.out.println("Element "+key+" is found
at "+i);

            find=1;
            break;
        }
    }
    if (find==0)
    {
        System.out.println("Element "+key+" is not found");
    }
}
}

```

//Output1//

Enter number of elements :

5

Enter 5 elements :

1

2

3

4

5

Enter an Element to search :

6

Element 6 is not found

Press any key to continue . . .

//Output2//

Enter number of elements :

7

Enter 7 elements :

23

24

25

26

45

48

0

Enter an Element to search :

25

Element 25 is found at 2

Press any key to continue . . .