

**OBJECT ORIENTED PROGRAMMING LAB****Experiment No.: 6****Aim**

**Search an element in an array.**

**Procedure**

```
import java.util.Scanner;

public class SearchElement
{
    public static void main(String[] args)
    {
        int n, element, flag = 0, i = 0;
        Scanner s = new Scanner(System.in);
        System.out.print("Enter no. of elements you want in array:");
        n = s.nextInt();
        int a[] = new int[n];
        System.out.println("Enter the elements:");
        for(i = 0; i < n; i++)
        {
            a[i] = s.nextInt();
        }
        System.out.print("Enter the element to search:");
        element = s.nextInt();
        for(i = 0; i < n; i++)
        {
            if(a[i] == element)
            {
```

**Name: SREELAKSHMI R**

**Roll No:41**

**Batch: RMCA S2**

**Date:22-04-2022**

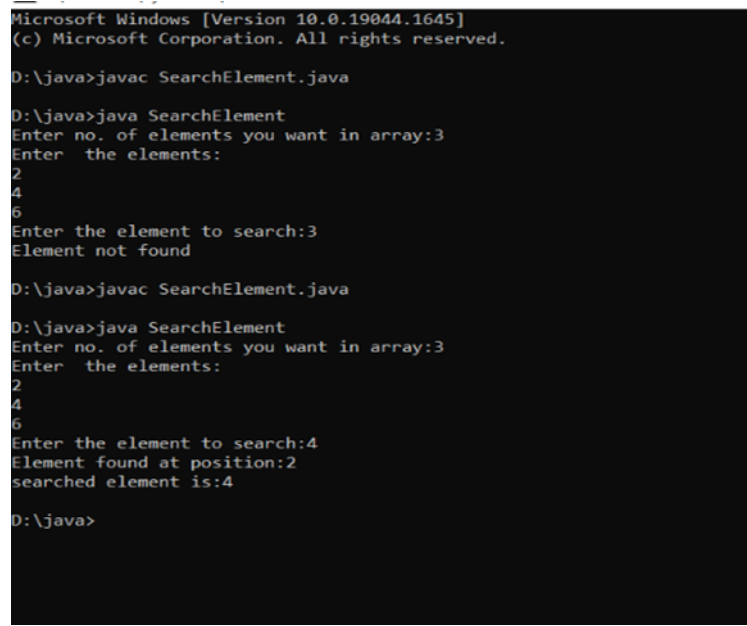
```
        flag = 1;
        break;
    }

else
{
    flag = 0;
}
}

if(flag == 1)
{
    System.out.println("Element found at position:"+(i + 1)+" "+"n"+"searched
    element is:"+element);
}

else
{
    System.out.println("Element not found");
}
}
}
```

### Output Screenshot



```
Microsoft Windows [Version 10.0.19044.1645]
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D:\java>javac SearchElement.java

D:\java>java SearchElement
Enter no. of elements you want in array:3
Enter the elements:
2
4
6
Enter the element to search:3
Element not found

D:\java>javac SearchElement.java

D:\java>java SearchElement
Enter no. of elements you want in array:3
Enter the elements:
2
4
6
Enter the element to search:4
Element found at position:2
searched element is:4

D:\java>
```