

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

Search an element in an array

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Date:22/04/2022

Procedure

```
import java.util.*;
```

```
class Search
```

```
{
```

```
    public static void main(String args[])
```

```
    {
```

```
        Scanner sc = new Scanner(System.in);
```

```
        int i,n,search,flag=0;
```

```
        System.out.println("Enter the number of elements:");
```

```
        n = sc.nextInt();
```

```
        int[] a = new int[n];
```

```
        System.out.println("Enter the elements");
```

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

```
        {
```

```
            a[i] = sc.nextInt();
```

```
        }
```

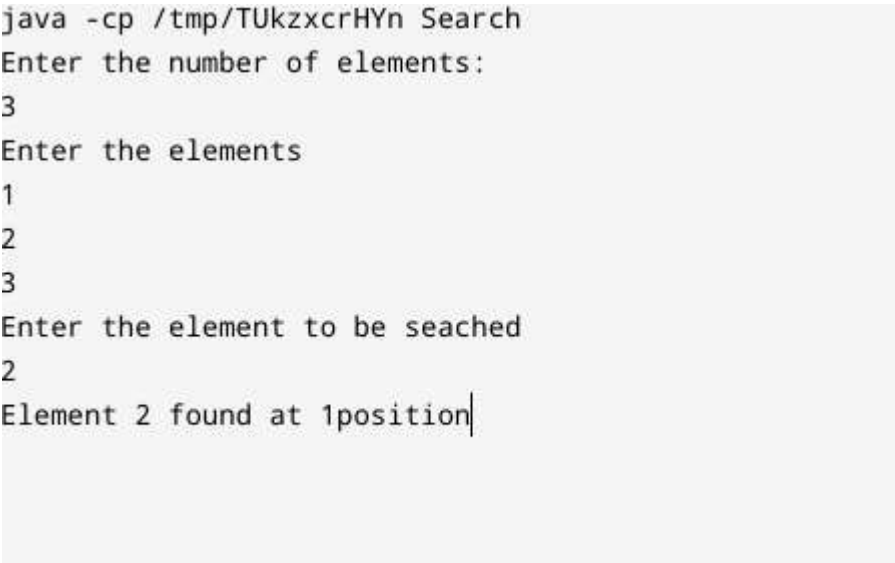
```
        System.out.println("Enter the element to be searched");
```

```
        search = sc.nextInt();
```

```
        /*Perform search operation*/
        for(i=0;i<n;i++)
        {
            if(a[i]==search)
            {
                System.out.println("Element "+search+" found at "+i+"
position");

                flag=1;
                break;
            }
        }
        if(flag==0)
        {
            System.out.println("Element "+search+" not found");
        }
    }
}
```

Output screenshot



```
java -cp /tmp/TUkzxcrHYn Search
Enter the number of elements:
3
Enter the elements
1
2
3
Enter the element to be seached
2
Element 2 found at 1position
```