

Object Oriented Programming LAB

Experiment No.: 5

Aim

Search an element in an array.

Procedures

Source Code

```
import java.util.Scanner;
public class SearchElement
{
    public static void main(String[] args)
    {
        int n, x, 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 all the elements:");
        for(i = 0; i < n; i++)
        {
            a[i] = s.nextInt();
        }
        System.out.print("Enter the element you want to find:");
        x = s.nextInt();
        for(i = 0; i < n; i++)
        {
            if(a[i] == x)
            {
                flag = 1;
                break;
            }
            else
            {
                flag = 0;
            }
        }
        if(flag == 1)
        {
            System.out.println("Element found at position:"+(i + 1));
        }
        else
```

Name: Silvia Thomas

Roll No: 38

Batch: RMCA

Date:22-04-2022

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

Output

```
D:\22-04-2022>javac SearchElement.java  
  
D:\22-04-2022>java SearchElement  
Enter no. of elements you want in array:4  
Enter all the elements:  
1  
4  
6  
8  
Enter the element you want to find:4  
Element found at position:2
```