

**OBJECT ORIENTED PROGRAMING LAB****Experiment No.: 7****Name : Swetha Prakash****Roll No : 46****Batch : B****Date : 22-04-22****Aim**

Write a program to search an element in an array.

**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 the no. of elements in array : ");

        n = s.nextInt();

        int a[] = new int[n];

        System.out.println("Enter all the elements in the array : ");

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

            a[i] = s.nextInt();

        }

        System.out.print("Enter the element you want to search : ");

        x = s.nextInt();

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

            if(a[i] == x){

                flag = 1;

                break;

            }

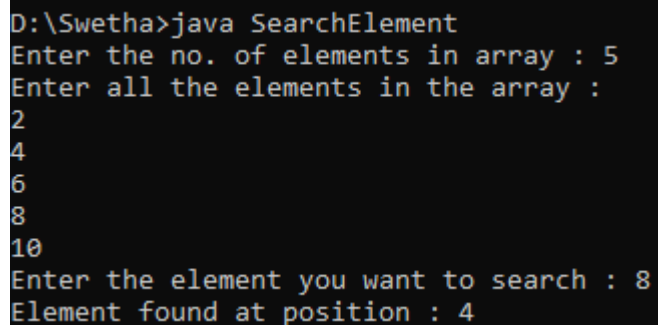
        }

    }

}
```

```
        else{  
            flag = 0;  
        }  
    }  
    if(flag == 1){  
        System.out.println("Element found at position : "+(i + 1));  
    }  
    else{  
        System.out.println("Element not found");  
    }  
}  
}  
}
```

### **Output Screenshot**



```
D:\Swetha>java SearchElement  
Enter the no. of elements in array : 5  
Enter all the elements in the array :  
2  
4  
6  
8  
10  
Enter the element you want to search : 8  
Element found at position : 4
```