

OBJECT ORIENTED PROGRAMMING LAB

Experiment No.: 6

Aim

Program to search an element in array

Procedure

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

public class ArraySearch
{
    static Scanner s=new Scanner(System.in);

    public static void main(String args[])
    {
        int a,b;
        int [] A =new int[10];
        Scanner s=new Scanner(System.in);
        System.out.println("enter the number of elements");
        a=s.nextInt();
        System.out.println("enter the data into matrix");
        inputdata(a,A);
        System.out.println("Array Search");
        System.out.println("Enter the element you want to search");
        b=s.nextInt();
        search(a,b,A);

    }

    public static void inputdata(int a,int [] A)
    {
        for(int i=0;i<a;i++)
        {
```

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```
A[i]=s.nextInt();
```

```
}
```

```
}
```

```
public static void search(int a, int b,int [] A)
```

```
{
```

```
int f=0;
```

```
for(int i=0;i<a;i++)
```

```
{
```

```
if(A[i]==b)
```

```
{
```

```
f++;
```

```
}
```

```
}
```

```
if(f==0)
```

```
System.out.print("Element is not found in the array");
```

```
else
```

```
System.out.print("Element is found in the array");
```

```
}
```

```
}
```

Output Screenshot

```
C:\java pgms>java ArraySearch
enter the number of elements
5
enter the data into matrix
12
31
67
100
37
Array Search
Enter the element you want to search
67
Element is found in the array
C:\java pgms>_
```