Object oriented programming lab

Experiment No.: 2

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Aim: Java programme to search array elements

Source code:

```java
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++)
        {
```

```
        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:

Command Prompt

```
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C:\Users\user>d:

D:\>javac ArraySearch.java

D:\>java ArraySearch
enter the number of elements
3
enter the data into matrix
1
3
3
Array Search
Enter the element you want to search
4
Element is not found in the array
D:\>java ArraySearch
enter the number of elements
4
enter the data into matrix
9
8
7
6
Array Search
Enter the element you want to search
8
Element is found in the array
D:\>
```