

## 1. PROGRAM:

```
import java.util.ArrayList;
import java.util.Collections;
import java.util.Scanner;
public class Example {

    public static void main(String... args) {
int n,sum=0;

        Scanner scan=new Scanner(System.in);

        System.out.println("Enter the value:");
        n=scan.nextInt();
        int []a=new int[n];
        ArrayList<Integer> l1=new ArrayList<>(n);
        System.out.println("Enter the element:");
        for(int i=0;i<n;i++)
        {
            a[i]=scan.nextInt();
            l1.add(a[i]);
        }

        for(int i=0;i<l1.size();i++){
            sum+=l1.get(i);
        }

        System.out.println(sum);
        double avg=sum/l1.size();

        System.out.println(avg);
    }
}
```

```
    }  
}
```

#### INPUT:

Enter the value:

**5**

Enter the element:

**200**

**210**

**180**

**176**

**192**

#### OUTPUT:

**958**

**191.0**

## 2. PROGRAM:

```
import java.util.ArrayList;  
import java.util.Collections;  
import java.util.Scanner;  
public class Example {  
  
    public static void main(String... args) {  
  
        int n,sum=0;  
        Scanner scan=new Scanner(System.in);  
        System.out.println("Enter the value:");  
        n=scan.nextInt();
```

```

int []a=new int[n];
ArrayList<Integer> l1=new ArrayList<>(n);
System.out.println("Enter the element:");
for(int i=0;i<n;i++)
{
    a[i]=scan.nextInt();
    l1.add(a[i]);
}
Collections.sort(l1);
for(int temp:l1)
{
    System.out.println(temp);
}
}
}

```

INPUT:

Enter the value:

**6**

Enter the element:

**101**

**78**

**90**

**59**

**77**

**67**

OUTPUT:

**59**

**67**

**77**

78

90

101

101

### 3.PROGRAM:

```
import java.util.ArrayList;
import java.util.Collections;
import java.util.Scanner;
public class Example {

    public static void main(String... args) {
Scanner scan=new Scanner(System.in);
int n;
System.out.println("Enter the value");
n=scan.nextInt();
String []a=new String[n];
String x;
ArrayList<String>list=new ArrayList<String>(n);

System.out.println("Enter the Venue");
for(int i=0;i<n;i++)
{
    a[i]=scan.nextLine();
    list.add(a[i]);
}

x=scan.nextLine();

System.out.println( Collections.frequency(list, x));
```

```
}  
}
```

#### INPUT:

Enter the value

**8**

Enter the Venue

**M. A. Chidambaram Stadium**

**M. A. Chidambaram Stadium**

**M. A. Chidambaram Stadium**

**M.Chinnaswamy Stadium**

**M.Chinnaswamy Stadium**

**Wankhede Stadium**

**Edens Gardens**

**M. A. Chidambaram Stadium**

**M. A. Chidambaram Stadium**

#### OUTPUT:

**4**