/*1.Write a java application to accept n numbers,claculate and print the sum and average of number keyed in.   */

```java
import java.util.Scanner;

class SumAvg{

public static void main(String args[]){

Scanner s =new Scanner(System.in);

int i=1,n;

double sum=0.0,num=0.0,avg;

System.out.println();

System.out.print("How many no. You want to enter? ::");

n=s.nextInt();

//System.out.println(n);

while(i<=n){

System.out.print("Enter no:"+i+" ::");

num=s.nextDouble();

//System.out.println(num);

sum+=num;

i++;

}//Close of while

avg=sum/n;

System.out.println("Sum of "+n+ "No.'s="+sum);

System.out.println("Average of "+n+"No.'s="+avg);

}//Close of main

}//Close of class
```

//OUTPUT

How many no. You want to enter? ::3

Enter no:1 ::10.0

Enter no:2 ::20.0

Enter no:3 ::30.0

Sum of 3No.'s=60.0

Average of 3No.'s=20.0

/*2.Write a java application to accept n numbers, calculate and print the product of n numbers.   */

import java.util.Scanner;

class Product{

public static void main(String args[]){

Scanner s=new Scanner(System.in);

int n,i=1;

double prod=1.0,num=0.0;

System.out.println();

System.out.print("How many No. You want to enter for product ? ::");

n=s.nextInt();

//System.out.println(n);

while(i<=n){

System.out.print("Enter no:"+i+" ::");

num=s.nextDouble();

//System.out.println(num);

prod=prod*num;

```
    i++;

}//Close of while

System.out.println("Product of "+n+"No.'s="+prod);

}//Close of main

}//Close of class
```

//OUTPUT

How many No. You want to enter for product ? ::3

Enter no:1 ::5.0

Enter no:2 ::10.0

Enter no:3 ::2.0

Product of 3No.'s=100.0

/*3.Write a java application to accept n numbers, check and display the highest value.   */

```
import java.util.Scanner;

class Highest{

public static void main(String args[]){

Scanner s=new Scanner(System.in);

int i=0,n,num=0,high=0;

System.out.println();

System.out.print("How many number You want to enter? ::");

n=s.nextInt();

//System.out.println(n);

while(i<n){
```

```java
System.out.print("Enter no:"+(i+1)+" ::");

num=s.nextInt();

//System.out.println(num);

if(i==0)

high=num;

else

if(num>high)

high=num;

i++;

}//Close of while

System.out.println("Highest value in "+n+" nos="+high);

}//Close of main

}//Close of class
```

//OUTPUT

How many number You want to enter? ::5

Enter no:1 ::2

Enter no:2 ::4

Enter no:3 ::8

Enter no:4 ::10

Enter no:5 ::6

Highest value in 5 nos=10

/*4.Write a java application to accept n numbers, check and display the smallest value.   */

```java
import java.util.Scanner;

class Smallest{

public static void main(String args[]){

Scanner s=new Scanner(System.in);

int i=0,n,num=0,small=0;

System.out.println();

System.out.print("How many number You want to enter? ::");

n=s.nextInt();

//System.out.println(n);

while(i<n){

System.out.print("Enter no:"+(i+1)+" ::");

num=s.nextInt();

//System.out.println(num);

if(i==0)

small=num;

else

if(num<small)

small=num;

i++;

}//Close of while

System.out.println("Smallest value in "+n+" No.'s="+small);

}//Close of main

}//Close of class


//OUTPUT
```

How many number You want to enter? ::3

Enter no:1 ::6

Enter no:2 ::3

Enter no:3 ::9

Smallest value in 3 No.'s=3

/*5.Write a java application to accept n numbers, check and display the highest and the smallest number.   */

import java.util.Scanner;

class SmallestHighest{

public static void main(String args[]){

Scanner s=new Scanner(System.in);

int i,n,num,high,small;

i=num=small=high=0;

System.out.println();

System.out.print("How many numbers You want to enter? ::");

n=s.nextInt();

//System.out.println(n);

while(i<n){

System.out.print("Enter no:"+(i+1)+" ::");

num=s.nextInt();

//System.out.println(num);

if(i==0){

high=num;

small=num;}

```java
else if(num>high)

high=num;

else if(num<small)

small=num;

i++;

}//Close of while

System.out.println("Highest value is "+n+"No.'s="+high);

System.out.println("Smallest valut is "+n+"No.'s="+small);

}//Close of main

}//Close of class
```

//OUTPUT

How many numbers You want to enter? ::5

Enter no:1 ::5

Enter no:2 ::7

Enter no:3 ::1

Enter no:4 ::9

Enter no:5 ::3

Highest value is 5No.'s=9

Smallest valut is 5No.'s=1

/*6.Write a java application to accept n nos, check and display the total count of even and odd number.   */

import java.util.Scanner;

```java
class EvenOdd{

public static void main(String args[]){

Scanner s=new Scanner(System.in);

int n,i,num,ectr,octr;

i=ectr=octr=0;

System.out.println();

System.out.print("How many number You want to enter? ::");

n=s.nextInt();

//System.out.println(n);

while(i<n){

System.out.print("Enter no:"+(i+1)+" ::");

num=s.nextInt();

//System.out.println(num);

if(num%2==0)

ectr++;

else

octr++;

i++;

}//Close of while

System.out.println("Total count of even in  "+n+" No.'s="+ectr);

System.out.println("Total count of odd in "+n+" No.'s="+octr);

}//Close of main

}//Close of class


//OUTPUT
```

How many number You want to enter? ::10

Enter no:1 ::3

Enter no:2 ::5

Enter no:3 ::6

Enter no:4 ::9

Enter no:5 ::12

Enter no:6 ::21

Enter no:7 ::4

Enter no:8 ::7

Enter no:9 ::10

Enter no:10 ::13

Total count of even in 10 No.'s=4

Total count of odd in 10 No.'s=6

/*7.Write a java application to accept n numbers, check and display the total count of positive and negative numbers.   */

import java.util.Scanner;

class PositiveNegative{

public static void main(String args[]){

Scanner s=new Scanner(System.in);

int n,i,num,cpositive,cnegative;

i=num=cpositive=cnegative=0;

System.out.println();

System.out.print("How many No. You want to enter? ::");

n=s.nextInt();

```java
//System.out.println(n);

while(i<n){

System.out.print("Enter no:"+(i+1)+" ::");

num=s.nextInt();

//System.out.println(num);

if(num<0)

cnegative++;

else

cpositive++;

i++;

}//Close of while

System.out.println("Total count of Positive  out of "+n+"No.'s="+cpositive);

System.out.println("Total count of Negative out of "+n+"No.'s="+cnegative);

}//Close of main

}//Close of class
```

//OUTPUT

How many No. You want to enter? ::5

Enter no:1 ::-2

Enter no:2 ::5

Enter no:3 ::3

Enter no:4 ::-4

Enter no:5 ::-1

Total count of Positive out of 5No.'s=2

Total count of Negative out of 5No.'s=3

/*8.Write a java application to accept a number, check and display total count of even positive no. and odd positive no.   */

```java
import java.util.Scanner;

class PositiveEvenOdd{

public static void main(String args[]){

Scanner s=new Scanner(System.in);

int n,i,num,cpe,cpo;

i=num=cpe=cpo=0;

System.out.println();

System.out.print("How many numbers You want to check? ::");

n=s.nextInt();

//System.out.println(n);

while(i<n){

System.out.print("Enter number"+(i+1)+" ::");

num=s.nextInt();

//System.out.println(num);

if(num>=0&&num%2==0)

cpe++;

else if(num>=0&&num%2!=0)

cpo++;

i++;

}//Close of while

System.out.println("Total even positive No. in "+n+" No.'s="+cpe);

System.out.println("Total odd positive No. in "+n+" No.'s="+cpo);

}//Close of main
```

}**//Close of class**

//OUTPUT

How many numbers You want to check? ::10

Enter number1 ::-2

Enter number2 ::3

Enter number3 ::4

Enter number4 ::9

Enter number5 ::1

Enter number6 ::-1

Enter number7 ::10

Enter number8 ::-31

Enter number9 ::22

Enter number10 ::99

Total even positive No. in 10 No.'s=3

Total odd positive No. in 10 No.'s=4

/*9.Write a java application to accept an integer number, calculate and print its corresponding table.   */

import java.util.Scanner;

class Table{

public static void main(String args[]){

Scanner s=new Scanner(System.in);

int i=1,prod=1;

System.out.println();

```java
System.out.print("Enter an integer No. whose table is to be generated:");

int num=s.nextInt();

//System.out.println(num);

while(i<=10){

prod=num*i;

System.out.println(num+"x"+i+"="+prod);

i++;

}//Close of while

}//Close of main

}//Close of class
```

//OUTPUT

Enter an integer No. whose table is to be generated:5

5x1=5

5x2=10

5x3=15

5x4=20

5x5=25

5x6=30

5x7=35

5x8=40

5x9=45

5x10=50

/*10.Write a java application to accept a natural number,calculate and print the square upto the inputed natural number.   */

```java
import java.util.Scanner;

class Square{

public static void main(String args[]){

Scanner s=new Scanner(System.in);

int i=1,n;

System.out.println();

System.out.print("How many numbers You want to square? ::");

n=s.nextInt();

//System.out.println(n);

while(i<=n){

System.out.println("Square of "+i+" is"+i+"x"+i+"="+(i*i));

i++;

}//Close of while

}//Close of main

}//Close of class
```

//OUTPUT

How many numbers You want to square? ::10

Square of 1 is1x1=1

Square of 2 is2x2=4

Square of 3 is3x3=9

Square of 4 is4x4=16

Square of 5 is5x5=25

Square of 6 is6x6=36

Square of 7 is7x7=49

Square of 8 is8x8=64

Square of 9 is9x9=81

Square of 10 is10x10=100