```java
1. import java.Scanner;
   public static sum_odd_even
   {
       public static Void main (String args[])
       {
           int n,sumE= 0 ; sumo =0 ;
           Scanner s = new Scanner (System.in);
           System.out.print In (" enter the number of elements
                                       in arrays");
           n= s.nextInt();
           int [] a = new int [n];
           System.out.print In ("enter the elements of array:");
           for ( int i=0; i<n ; i++)
           {
               a [i] = s.nextint();
           }
           for (int i=0 ; i<n ;i++)
           {
               if (i % 2 = = 0)
               {
                   sumE= SumE + a[i];
               }
               else
               {
                   sumo = sumo + a[i];
               }
           }
           System.out.println ("sum of even number : " +sumE);
           System.out.println ("sum of odd number :" +sumo);
       }
   }
```

Output:

Enter the number of elements of array
10

Enter the elements of array
1   2   3   4   5   6   7   8   9   0
sum of Odd numbers: 20
Sum of even numbers $ 25

9. Accept an array of 'n' integers. Find the number of +ve number, negative numbers & zeros.

=> import java.util.Scanner;
public class clacNumberType
{

public static void main (String args[])
{

int n, positive = 0, negative = 0, zero = 0;
int arr[] = new int [10]
Scanner scan = new Scanner (System.in)
System.out. println (" How many number you
                          want to enter:");

n= scan. nextInt ();
System.out. println (" Enter" " +n+" Numbers:");
for (i=0 ; i<n ; i++)
{

  arr [i] = scan. nextInt();
}

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

```
if (arr[i] < 0)
{
   negative++;
}
else if (arr[i] > 0)
{
    positive++;
}
else
{
   zero++;
}
}
System.out.println("positive numberare:"+positive)
System.out.println("negative numbers are:" + negative);
System.out.println("zeros are:" + zero);
```

Output:-
How many number you want to enter
Enter 10 number: 0,1,2,3,4,5,6,7,8,9.
positive numbers are : 9
Negative numbers are : 0
zeros are :1.

```
$java -Xmx128M -Xms16M CalcNumbersType
How many Number you want to Enter : Enter 10 Numbers :
Positive Numbers are: 9
Negative Numbers are: 0
Zeros are: 1
```

Execute | Share Source File

```
0
1
2
3
4
5
6
7
8
9
```

3 Market bill :

```java
import java. util .Scanner;
public class Market Bill {
public static void main (String args[])
{
double [] rate = new double [5];
Scanner in = new Scanner (system.in);
int [] quantity = new int [5];
for (int i=0 ; i<n ; i++)
{
Systm.out .println (" Enter rate & quantity per
rate [i] = in. next Double ();
quantity [i] = in. next Int ();
}
double  subtotal = 0;
for (int j=0 ; j<5 ; j++)
{
subtotal += (rate [j] * quantity (j));
}
Systm.out.println ("sub-total : " + subtotal);
if (subtotal >= 10,000)
{
Subtotal - = (0.05 * subtotal);
}
else if (subtotal >= 7,500)
{
subtotal - = (0.03 * subtotal);
}
else if (subtotal >= 5000)
```

```
{
Subtotal - = (0.02 + Subtotal);
}
System.out.println ("Total : "+ subtotal);
}
}
}
```

Output :
Enter the rate & quantity per item: : 50 2
Enter the rate & quantity per item : 60 3
Enter the rate & quantity per item : 70 4
Enter the rate & quantity per item : 80 5
Enter the rate & quantity per item : 90 6.
Sub-total ; 1500.00
Total : 1500.0

```
2 50
3 60
4 70
5 80
6 90
```

```
$javac MarketBill.java

$java -Xmx128M -Xms16M MarketBill
Enter The Rate and Quantity per item:
Enter The Rate and Quantity per item:
Enter The Rate and Quantity per item:
Enter The Rate and Quantity per item:
Enter The Rate and Quantity per item:
Sub-total: 1500.0
Total: 1500.0
```

```java
import java.util.Scanner;
public static void m
public class SumArray{
public static void main (String args[])
{
int c=0, d=0, esum=0;
Scanner sc= new Scanner (System.in);
System.out.println (" Enter the number of elements:");
int n = sc. nextInt ();
int [] a = new Int[n];
int[] b = new Int[n];
int[] c = new Int[n];
System.out.println (" enter the values");
for(int x=0; x<n ; x++)
{
    a[x] = sc. nextInt ();
    if(a[x] %2 = 0)
    {
        c[e] = a[x];
        esum + = c [e++];
    }
    else
        b[o++] = a[x];
}
int max=0;
int min= c[0];
for (int i=0; i<e ; i++)
{
    if ( c[i] >max)
```

```java
        max = c[i];
    if (c[i] < min)

        min = c[i];
        }
    }

System.out.println(" Sum of elements ; " +esum +
            "\nAverage of elements G:" + (esum/(ce-1))?
            \nmax value of C array: "+max +
            "\n min value of G array ; " +min);
sc. close();
    }
}.
```

Output :-

Enter the number of elements: 10
Enter the value :1, 2, 3 4, 5, 6, 7, 8, 0, 0.
Sum of elements in Array G $20
Max value of G array :8
Min value of G array : 0.

codingground | Compile and Execute Java Online (JDK 1.8.0) ☑
SIMPLY EASY CODING

⚙ Execute | ➤ Share   Source File   STDIN

```java
1   import java.util.Scanner;
2   public class SumMinMaxAvg {
3       public static void main (String [] args) {
4           int e=0,o=0,esum=0;
5           Scanner sc = new Scanner(System.in);
6           System.out.println("Enter the number of elements :  ");
7           int n = sc.nextInt();
8           int[] A = new int[n];
9           int[] B = new int[n];
10          int[] C = new int[n];
11          System.out.println("Enter the value: ");
12          for(int x=0; x<n;x++) {
13              A[x]= sc.nextInt();
14              if(A[x]%2==0) {
15                  C[e]=A[x];
16                  esum+=C[e++];}
17              else
18                  B[o++]= A[x];
19  }
20          int max = 0;
21            int min = C[0];
22           for(int i=0;i<e; i++ ) {
23              if(C[i]>max)
24                  max = C[i];
25              if(C[i]<min) {
26                  min = C[i];
27                  }
28              }
29  System.out.println("Sum of Elements in Aarry C: "+esum+"\nAverage Of Elements C: "+(esum/(e
        -1))+"\nMaxmium Value of C array: "+max+"\nMinimum Value of C array: "+min);
30  sc.close();}
31  }
```

javascript:void(0)

```
10
1
2
3
4
5
6
7
8
9
0
```

```
$javac SumMinMaxAvg.java

$java -Xmx128M -Xms16M SumMinMaxAvg

Enter the number of elements :
Enter the value:
Sum of Elements in Aarry C: 20
Average Of Elements C: 5
Maxmium Value of C array: 8
Minimum Value of C array: 0
```