

```
import java.util.Scanner;
```

```
public class Sums
```

```
{
```

```
    public static void main(String args[])
```

```
    {
```

```
        int n, a[], sumeven=0, sumodd=0, i;
```

```
        Scanner sc= new Scanner (System.in);
```

```
        System.out.println("enter the value of n");
```

```
        n=sc.nextInt();
```

```
        a=new int[n];
```

```
        for(i=0;i<a.length;i++)
```

```
        {
```

```
            System.out.println("enter the number");
```

```
            a[i]=sc.nextInt();
```

```
        }
```

```
        for(i=0;i<a.length;i++)
```

```
        {
```

```
            if(i%2==0)
```

```
                sumeven=sumeven+a[i];
```

```
            else
```

```
                sumodd=sumodd+a[i];
```

```
        }
```

```
        System.out.println("sum of numbers at even index is" + sumeven);
```

```
        System.out.println("sum of numbers at odd index is" +sumodd);
```

```
    }
```

```
<
```

Ln 8, Col 30

130%

Windows (CRLF)

UTF-8

```

G:\bin\Programs>javac Count.java
G:\bin\Programs>javac Sums.java
G:\bin\Programs>java Sums
enter the value of n
5
enter the number
12
enter the number
23
enter the number
4
enter the number
1
enter the number
56
sum of numbers at even index is72
sum of numbers at odd index is24
G:\bin\Programs>

```

Count - Notepad

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```
import java.util.Scanner;

public class Count
{
    public static void main(String args[])
    {
        int nn , i , p=0 , n=0 , z=0;
        int a[];
        Scanner sc=new Scanner(System.in);
        System.out.println("enter the value of n");
        nn= sc.nextInt();
        a=new int[nn];
        for(i=0;i<a.length;i++)
        {
            System.out.println("enter a number");
            a[i]=sc.nextInt();
        }
        for(i=0;i<a.length;i++)
        {
            if(a[i]== 0)
                z=z+1;
            else if(a[i]<0)
                n=n+1;
            else if(a[i]>0)
                p=p+1;
        }
    }
}
```

Ln 3, Col 8 130% Windows (CRLF) UTF-8

Type here to search

22:16 29-09-2020

```
{
    int nn , i , p=0 , n=0 , z=0;
    int a[];
    Scanner sc=new Scanner(System.in);
    System.out.println("enter the value of n");
    nn= sc.nextInt();
    a=new int[nn];
    for(i=0;i<a.length;i++)
    {
        System.out.println("enter a number");
        a[i]=sc.nextInt();
    }
    for(i=0;i<a.length;i++)
    {
        if(a[i]== 0)
            z=z+1;
        else if(a[i]<0)
            n=n+1;
        else if(a[i]>0)
            p=p+1;
    }
    System.out.println("number of zeroes are" + z);
    System.out.println("number of negative numbers are" + n);
    System.out.println("number of positive numbers are" + p);
}
}
```

number of positive numbers are0

G:\bin\Programs>javac Count.java

G:\bin\Programs>java Count

enter the value of n

5

enter a number

1

enter a number

2

enter a number

-1

enter a number

-2

enter a number

0

number of zeroes are1

number of negative numbers are2

number of positive numbers are2

G:\bin\Programs>

Windows taskbar and search bar

Windows taskbar and system tray

```
import java.util.Scanner;
```

```
public class marketbill {  
    public static void main(String args[]) {  
        double r[],t= 0,f=0;  
        int quantity[],i,x;  
        Scanner sc = new Scanner(System.in);  
  
        System.out.println("Enter number of items: ");  
        x = sc.nextInt();  
        r = new double[x];  
        quantity = new int [x];  
  
        for(i=0;i<r.length;i++){  
            System.out.println("Enter rate of item " + (i+1));  
            r[i] = sc.nextDouble();  
            System.out.println("Enter quantity of item " + (i+1));  
            quantity[i] = sc.nextInt();  
  
            t+= (rate[i]*quantity[i]);  
        }  
        sc.close();  
        if(t >= 10000){  
            f = (t - (t * 0.05));  
        }else if(t >= 7500 && t < 10000){  
            f = (t - (t * 0.03));  
        }  
    }  
}
```

```
*marketbill - Notepad
File Edit Format View Help
r = new double[x];
quantity = new int [x];

for(i=0;i<r.length;i++){
    System.out.println("Enter rate of item " + (i+1));
    r[i] = sc.nextDouble();
    System.out.println("Enter quantity of item " + (i+1));
    quantity[i] = sc.nextInt();

    t+= (rate[i]*quantity[i]);
}
sc.close();
if(t >= 10000){
    f = (t - (t * 0.05));
}else if(t >= 7500 && t < 10000){
    f = (t - (t * 0.03));
}else if(t >= 5000){
    f = (t - (t * 0.02));
}else{
    f = t;
}

System.out.println("Total Bill: Rs " + t);
System.out.println("Final Bill: Rs " + f);
}
}
```

Ln 34, Col 49 130% Windows (CRLF) UTF-8

```
G:\bin\Programs>javac Count.java
G:\bin\Programs>javac Sums.java
G:\bin\Programs>java Sums
enter the value of n
5
enter the number
12
enter the number
23
enter the number
4
enter the number
1
enter the number
56
sum of numbers at even index is72
sum of numbers at odd index is24
G:\bin\Programs>javac marketbill.java
G:\bin\Programs>java marketbill
Enter number of items:
3
Enter rate of item 1
2300
Enter quantity of item 1
4
Enter rate of item 2
34000
Enter quantity of item 2
1
Enter rate of item 3
22222
Enter quantity of item 3
7
Total Bill: Rs 198754.0
Final Bill: Rs 188816.3
G:\bin\Programs>
```


① import java.util.Scanner;

public class Sumis

{

public static void main (String args [])

{

int n, a[], sumEven = 0, sumOdd = 0, i;

Scanner sc = new Scanner (System.in);

System.out.println("Enter the value of n");

n = sc.nextInt();

a = new int[n];

for (i = 0; i < a.length; i++)

{

System.out.println("Enter the number");

a[i] = sc.nextInt();

for { i = 0; i < a.length; i++ }

{

if (i % 2 == 0)

sumEven = sumEven + a[i];

else

sumOdd = sumOdd + a[i];

System.out.println("Sum of numbers at even index" +
sumEven);

System.out.println("Sum of numbers at odd index" +
sumOdd);

}

}

Teacher's Signature _____

②

```
import java.util.Scanner;  
public class Count
```

```
{  
    public static void main(String args[])
```

```
{  
    int nh, i, p=0, n=0, z=0;  
    int a[];
```

```
    Scanner sc = new Scanner(System.in);  
    System.out.println("Enter the value of n");  
    nh = sc.nextInt();
```

```
    a = new int[nh];
```

```
    for(i=0; i<a.length; i++)
```

```
{  
        System.out.println("Enter a number");  
        a[i] = sc.nextInt();
```

```
    }  
    for(i=0; i<a.length; i++)  
    {
```

```
        if(a[i]==0)
```

```
            z=z+1;
```

```
        if(a[i]<0)
```

```
            n=n+1;
```

```
        if(a[i]>0)
```

```
            p=p+1;
```

```
    }
```

```
    System.out.println("No. of zeroes are " + z);
```

```
    System.out.println("No. of positive nos are " + p);
```

```
    System.out.println("No. of negative nos are " + n);
```

```
}
```

Teacher's Signature _____


```
② import java.util.Scanner;
public class Count
{
    public static void main(String args[])
    {
        int n, i, p=0, n=0, z=0;
        int a[];
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the value of n");
        n = sc.nextInt();
        a = new int[n];
        for (i=0; i<a.length; i++)
        {
            System.out.println("Enter a number");
            a[i] = sc.nextInt();
        }
        for (i=0; i<a.length; i++)
        {
            if (a[i]==0)
                z=z+1;
            if (a[i]<0)
                n=n+1;
            if (a[i]>0)
                p=p+1;
        }
        System.out.println("No. of zeroes are" + z);
        System.out.println("No. of positive nos are" + p);
        System.out.println("No. of negative nos are" + n);
    }
}
```

Teacher's Signature _____

③

```
import java.util.Scanner;
public class marketbill {
    public static void main (String args []) {
        double s[], t=0, f=0;
        int quantity [], i, x;
        Scanner sc = new Scanner (System.in);
        System.out.println ("Enter no. of items :");
        x = sc.nextInt();
        s = new double [x];
        quantity = new int [x];
        for (i=0; i<s.length; i++) {
            System.out.println ("Enter rate of item");
            s[i] = sc.nextDouble();
            System.out.println ("Enter quantity of item");
            quantity[i] = sc.nextInt();
            t += (s s[i] * q quantity[i]);
        }

        if (t >= 10000)
            f = (t - (t * 0.05));
        else if (t >= 7500 && t < 10000)
            f = (t - (t * 0.03));
        else if (t >= 5000)
            f = (t - (t * 0.02));
        else
            f = t;

        System.out.println ("Total Bill: Rs" + t);
        System.out.println ("Final Bill: Rs" + f);
    }
}
```

Teacher's Signature _____

```
import java.util.Scanner;
```

```
public class arrays{  
    public static void main(String[] args){  
        int n, j = 0, k = 0, sum = 0, avg, max , min;  
        Scanner s = new Scanner(System.in);  
        System.out.print("Enter the number of elements in array:");  
        n=s.nextInt();  
        int[] a = new int[n];  
        int[] b = new int[n];  
        int[] c = new int[n];  
        System.out.println("Enter the elements of the array:");  
        for(int i = 0;i<n;i++){  
            a[i] = s.nextInt();  
        }  
        for(int i = 0;i<n;i++){  
            if (a[i] % 2 == 0) {  
                c[j] = a[i];  
                sum += a[i];  
                j++;  
            } else {  
                b[k] = a[i];  
                k++;  
            }  
        }  
        //avg = sum / j;
```

```
arrays - Notepad
File Edit Format View Help
}
for(int i = 0; i < n; i++){
    if (a[i] % 2 == 0) {
        c[j] = a[i];
        sum += a[i];
        j++;
    } else {
        b[k] = a[i];
        k++;
    }
}
//avg = sum / j;
max = c[0];
min = c[0];
for(int i = 0; i < j; i++){
    if (c[i] > max){
        max = c[i];
    }
    if (c[i] < min){
        min = c[i];
    }
}
System.out.println("For the even array sum is "+sum+" average is "+(sum/j)+" maximum is "+max+" minimum is "+min);
}
}
<
```

Ln 3, Col 20 130% Windows (CRLF) UTF-8

```
12
enter the number
23
enter the number
4
enter the number
1
enter the number
56
sum of numbers at even index is72
sum of numbers at odd index is24

G:\bin\Programs>javac marketbill.java

G:\bin\Programs>java marketbill
Enter number of items:
3
Enter rate of item 1
2300
Enter quantity of item 1
4
Enter rate of item 2
34000
Enter quantity of item 2
1
Enter rate of item 3
22222
Enter quantity of item 3
7
Total Bill: Rs 198754.0
Final Bill: Rs 188816.3

G:\bin\Programs>javac arrays.java

G:\bin\Programs>java arrays
Enter the number of elements in array:6
Enter the elements of the array:
2 3 4 5 6 7
For the even array sum is 12 average is 4 maximum is 6 minimum is 2

G:\bin\Programs>
```



```

4. import java.util.Scanner;
public class arrays {
    public static void main(String args[])
    {
        int n, arr[], i, arrE[], arrO[], e=0, f=0, sum=0;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the value of n");
        n = sc.nextInt();
        arr = new int[n];
        for (i=0; i<arr.length; i++)
        {
            System.out.println("Enter the no");
            arr[i] = sc.nextInt();
        }
        for (i=0; i<arrE.length; i++)
        arrE = new int[n];
        arrO = new int[n];
        for (i=0; i<arr.length; i++)
        {
            if (arr[i] % 2 == 0)
                arrE[e++] = arr[i];
            else if (arr[i] % 2 == 1)
                arrO[f++] = arr[i];
        }
        for (i=0; i<arrE.length; i++)
        {
            sum sum = sum + arrE[i];
        }
    }
}

```

Teacher's Signature _____


```
int
if (k == 1)
{
    int max = arrE[i];
    int min = arrE[i]; k++;
}
if (arrE[i] < min)
{
    min = arrE[i];
}
if (arrE[i] > max)
{
    max = arrE[i];
}
}
```

```
System.out.println("Sum = " + sum);
System.out.println("Avg = " + (float) sum / arrE.length);
System.out.println("Max = " + max);
System.out.println("Min = " + min);
}
```

```
}
```

Teacher's Signature _____