

```
import java.util.Scanner;  
class evenodd  
{  
    public static void main(String[] args)  
    {  
        int a[], n, sum1=0, sum2=0;  
        Scanner sc = new Scanner(System.in);  
        System.out.println("Enter the number of  
                           elements :");  
        n = sc.nextInt();  
        a = new int[n];  
        for(int i=0; i<n; i++)  
        {  
            a[i] = i;  
        }  
        System.out.print("sum of odd indices:");  
        for (int i=1; i<n; i=i+2)  
        {  
            sum2 = sum2+a[i];  
        }  
        System.out.print(sum2);  
    }  
}
```

evenodd.java - Notepad

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```
import java.util.Scanner;
class evenodd
{
    public static void main(String[] args)
    {
        int a[],n,sum1=0,sum2=0;
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the number of elements:");
        n=sc.nextInt();
        a=new int[n];
        for(int i=0;i<n;i++)
        {
            a[i]=i;
        }
        System.out.print("sum of even indices:");
        for(int i=0;i<n;i=i+2)
        {
            sum1=sum1+a[i];
        }
        System.out.println(sum1);
        System.out.print("sum of odd indices:");
        for(int i=1;i<n;i=i+2)
        {
            sum2=sum2+a[i];
        }
        System.out.print(sum2);
    }
}
```



```
use --help for a list of possible options
```

```
C:\Users\User\Desktop>javac evenodd.java
```

```
C:\Users\User\Desktop>java evenodd
```

```
Enter the number of elements:
```

```
6
```

```
sum of even indices:6
```

```
sum of odd indices:nnn9
```

```
C:\Users\User\Desktop>javac evenodd.java
```

```
C:\Users\User\Desktop>java evenodd
```

```
Enter the number of elements:
```

```
6
```

```
sum of even indices:6
```

```
sum of odd indices:9
```

```
C:\Users\User\Desktop>
```



```

2) import java.util.Scanner
class posneg
{
    public static void main(String[] args)
    {
        int a[], n=0, p=0, z=0;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the number of elements:");
        r = sc.nextInt();
        a = new int[r];
        System.out.println("Enter the elements:");
        for(int i=0; i<r; i++)
        {
            a[i] = sc.nextInt();
            if(a[i]>0)
                p++;
            else if(a[i]==0)
                z++;
            else
                n++;
        }
    }
}

```

System.out.println("number of positive elements are: " + p + "\nnumber of negative elements are: " + n + "\nnumber of zeroes are: " + z);

}

```
posneg.java - Notepad
File Edit Format View Help
import java.util.Scanner;

class posneg
{
    public static void main(String[] args)
    {
        int a[],n=0,p=0,z=0,r;
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the number of elements:");
        r=sc.nextInt();
        a=new int[r];
        System.out.println("Enter the elements:");
        for(int i=0;i<r;i++)
        {
            a[i]=sc.nextInt();
            if(a[i]>0)
                p++;
            else if(a[i]==0)
                z++;
            else
                n++;
        }
        System.out.println(" number of positive elements are:"+p+"\n number of negative elements are:"+n+"\n number of zeroes are:"+z);
    }
}
```



```
29-09-2020 14:53           1,706 Quadraticequation.class
02-08-2019 15:17           1,229 Tracks Eraser Pro.lnk
02-08-2019 15:16           2,493 Word 2016.lnk
                           9 File(s)      10,820 bytes
                           2 Dir(s)   153,909,211,136 bytes free
```

```
C:\Users\User\Desktop>javac posneg.java
```

```
C:\Users\User\Desktop>java posneg
```

```
Enter the number of elements:
```

```
10
```

```
Enter the elements:
```

```
3 4 6 -8 -2 9 0 7 0 0
```

```
number of positive elements are:5
```

```
number of negative elements are:2
```

```
number of zeroes are:3
```

```
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```



array.java - Notepad

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```
import java.util.Scanner;

class array
{
    public static void main(String[] args)
    {

        Scanner sc=new Scanner(System.in);
        int n,a[],b[],c[],j=0,k=0,sum=0,max,min;
        double avg;
        System.out.println("Enter the number of elements:");
        n=sc.nextInt();
        a=new int[n];
        b=new int[n];
        c=new int[n];

        System.out.println("Enter the elements:");
        for(int i=0;i<n;i++)
        {
            a[i]=sc.nextInt();
            if(a[i]%2==0)
            {
                c[j]=a[i];
                j++;
            }
            else
            {
                b[k]=a[i];
                k++;
            }
        }
        max=c[0];
        min=c[0];
        System.out.println("array of even numbers:");
        for(int i=0;i<j;i++)
    }
```



array.java - Notepad

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```
System.out.println("Enter the elements:");
for(int i=0;i<n;i++)
{
    a[i]=sc.nextInt();
    if(a[i]%2==0)
    {
        c[j]=a[i];
        j++;
    }
    else
    {
        b[k]=a[i];
        k++;
    }
}
max=c[0];
min=c[0];
System.out.println("array of even numbers:");
for(int i=0;i<j;i++)
{
    sum=sum+c[i];
    if( c[i]>max)
        max=c[i];
    if(c[i]<min)
        min=c[i];
    System.out.print(i+" ");
}
avg=(double)sum/j;
System.out.println("\nsum of even numbers =" +sum+"\naverage=" +avg+"\nmax=" +max+"\nmin=" +min);
}
```

```
Enter quantity of item3:  
300  
13300.0
```

```
C:\Users\User\Desktop>javac array.java
```

```
C:\Users\User\Desktop>java array  
Enter the number of elements:  
12  
Enter the elements:  
1 2 3 4 5 6 7 8 9 10 11 12  
array of even numbers:  
0 1 2 3 4 5  
sum of even numbers =42  
average=7.0  
max=12  
min=2
```

```
C:\Users\User\Desktop>
```



supermarket.java - Notepad

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```
import java.util.Scanner;
class supermarket
{
    public static void main(String[] args)
    {
        int q[],n,r[],totalamt=0;
        double finalamt;
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the number of items:");
        n=sc.nextInt();
        r=new int[n+1];
        q=new int[n+1];
        System.out.println("Enter rate and quantity of each item:");
        for(int i=1;i<=n;i++)
        {
            System.out.println("Enter rate of item"+i+":");
            r[i]=sc.nextInt();
            System.out.println("Enter quantity of item"+i+":");
            q[i]=sc.nextInt();
            totalamt=totalamt+(r[i]*q[i]);
        }

        if(totalamt>=10000)
            finalamt=totalamt*(1-0.05);
        else if(totalamt>=7500 && totalamt<10000)
            finalamt=totalamt*(1-0.03);
        else if(totalamt>=5000)
            finalamt=totalamt*(1-0.02);
        else
            finalamt=totalamt;

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



5488.0

C:\Users\User\Desktop>javac supermarket.java

C:\Users\User\Desktop>java supermarket

Enter the number of items:

3

Enter rate and quantity of each item:

Enter rate of item1:

10

Enter quantity of item1:

100

Enter rate of item2:

20

Enter quantity of item2:

200

Enter rate of item3:

30

Enter quantity of item3:

300

13300.0

C:\Users\User\Desktop>

```

3) import java.util.Scanner;
class supermarket
{
    public static void main (String ss[])
    {
        Scanner sc = new Scanner (System.in);
        int r[], q[], n, totalamt, finalamt;
        s.o.println ("Enter the number of items :");
        n = sc.nextInt(); q = new int[n];
        s.o.println ("Enter rate and quantity of each item ");
        for (int i=0; i<n; i++)
        {
            s.o.p ("Rate of each item " + i + " :");
            r[i] = sc.nextInt();
            s.o.p ("In quantity Rate of item " + i + " :");
            q[i] = sc.nextInt();
            Totalamt = Totalamt + r * q[i];
        }
        if (Totalamt >= 10000)
        {
            finalamt = Totalamt - Totalamt * 0.5;
            s.o.println ("final amt = " + finalamt);
        }
        else if (Totalamt >= 7500 && Totalamt < 10000)
        {
            finalamt = Totalamt * (1 - 0.03);
            s.o.println (Totalamt);
        }
        else if (Totalamt >= 5000)
        {
            finalamt = Totalamt * (1 - 0.02);
            s.o.println (finalamt);
        }
    }
}

```

else
s.o.println("No discount");

4) import java.util.Scanner;
class array
{
public static void main(String sss)
{
Scanner sc = new Scanner(System.in);
int n, a[], b[], c[], j, k, sum;
System.out.println("Enter the number
of elements");
n = sc.nextInt();
a = new int[n];
b = new int[n];
c = new int[n];
s.o.println("Enter the values");
for (int i = 0; i < n; i++)
{
a[i] = sc.nextInt();
if (a[i] % 2 == 0)
b[j] = a[i];
j++;
}
else
{
c[k] = a[i];
k++;
}
}

~~max = c[0];~~
~~min = c[0];~~

for (int i=0; i<j; i++)

sum = sum + c[i];

if (c[i] > max)

max = c[i];

if (c[i] < min)

min = c[i];

}

avg = (double)(sum / j);

System.out.println("sum = " + sum +

"\n average = " + avg +

"\n max = " + max +

"\n min = " + min);

y

The output of the program is:

4

3