

```
import java.util.Scanner;
class Indices
{
    public static void main(String args[])
    {
        int n;
        int even=0,odd=0;
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter size of array");
        n=sc.nextInt();
        int ar[]=new int[n];
        System.out.println("Enter array elements:");
        for(int i=0;i<n;i++)
            ar[i]=sc.nextInt();
        for(int i=0;i<n;i++)
        {
            if(i%2==0)
                even=even+ar[i];
            else
                odd=odd+ar[i];
        }
        System.out.println("Sum of even indices =" +even);
        System.out.println("Sum of odd indices =" +odd);
    }
}
```

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C:\Users\Amit R>javac extra1.java

C:\Users\Amit R>java Indices

Enter size of array

10

Enter array elements:

2

3

3

1

2

4

2

6

7

8

Sum of even indices =16

Sum of odd indices =22

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Extra Program :-

1. // Accept array & find sum of even indices & odd indices.

```
import java.util.Scanner;

class Indices {
    public static void main (String args[]) {
        int n = 10; arr = new int[50];
        System.out.println("Enter size of array");
        int n;
        int even = 0, odd = 0;
        Scanner sc = new Scanner(System.in);
        n = sc.nextInt();
        int arr[] = new int[n];
        System.out.println("Enter array elements");
        for (int i = 0; i < n; i++)
            arr[i] = sc.nextInt();
        for (int i = 0; i < n; i++) {
            if (i % 2 == 0)
                even = even + arr[i];
            else
                odd = odd + arr[i];
        }
        System.out.println("Sum of even indices = " + even);
        System.out.println("Sum of odd indices = " + odd);
    }
}
```

```
//Answer2
import java.util.Scanner;
class Number
{
    public static void main(String args[])
    {
        int n;
        System.out.println("enter no. of elements");
        Scanner sc=new Scanner(System.in);
        n=sc.nextInt();
        int arr[]=new int[100];
        System.out.println("enter elements");
        for(int i=0;i<n;i++)
            arr[i]=sc.nextInt();
        int np=0,nn=0,nz=0;
        for(int i=0;i<n;i++)
        {
            if(arr[i]>0)
                np++;
            if(arr[i]<0)
                nn++;
            if(arr[i]==0)
                nz++;
        }
        System.out.println("no. of positive nos.:"+np);
        System.out.println("no. of negative nos.:"+nn);
        System.out.println("no. of zeroes: "+nz);
    }
}
```



```
re  
C:\Users\Amit R>javac extra2.java
```

```
C:\Users\Amit R>java Number
```

```
enter no. of elements
```

```
pl8  
enter elements
```

```
12
```

```
10
```

```
-9
```

```
-6
```

```
0
```

```
k3
```

```
Nil0
```

```
0
```

```
2 no. of positive nos.:3
```

```
no. of negative nos.:2
```

```
no. of zeroes: 3
```

```
ort  
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```

Extra:-

PAGE:

DATE: / /

2.

// No. of positive, negative nos. & zeroes.

import java.util.Scanner;

class Number

{

public static void main (String args[])

int n; ~~arr [100]~~

System.out.println ("Enter no. of elements");

Scanner sc = new Scanner (System.in);

int arr[] = new int [100]; n = sc.nextInt();

System.out.println ("Enter elements");

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

arr[i] = sc.nextInt();

int np=0, nn=0, nz=0;

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

{

if (arr[i] > 0)

np++;

if (arr[i] < 0)

nn++;

if (arr[i] == 0)

nz++;

}

System.out.println ("No. of positive nos: " + np);

System.out.println ("No. of negative nos: " + nn);

System.out.println ("No. of zeroes: " + nz);

}

}


```

import java.util.Scanner;
class Bill
{
    public static void main(String args[])
    {
        int n;
        int total=0;
        double f=0.0;
        Scanner sc=new Scanner(System.in);
        System.out.println("enter no. of item types");
        n=sc.nextInt();
        int rate[]=new int[n];
        int item[]=new int[n];
        for(int i=0;i<n;i++)
        {
            System.out.println("enter rate");
            rate[i]=sc.nextInt();
            System.out.println("enter quantity");
            item[i]=sc.nextInt();
        }
        for(int i=0;i<n;i++)
            total=total+(rate[i]*item[i]);
        System.out.println("Total bill amt="+ total);
        if(total>=10000)
            f=total-((5.0/100) * total);
        else if(total>=7500 && total<10000)
            f=total-((3.0/100) * total);
        else if(total>=5000 && total<7500)
            f=total-((2.0/100) * total);
        else
            f=total;

        System.out.println("Final bill amount= "+ f);
    }
}

```

```
C:\Users\Amit R>javac extra3.java
```

```
C:\Users\Amit R>java Bill
```

```
enter no. of item types
```

```
3
```

```
enter rate
```

```
1000
```

```
enter quantity
```

```
7
```

```
enter rate
```

```
1000
```

```
enter quantity
```

```
5
```

```
enter rate
```

```
2000
```

```
enter quantity
```

```
6
```

```
Total bill amt=24000
```

```
Final bill amount= 22800.0
```


Extra:-

3.

// Bill amount
import java.util.Scanner;
class Bill

```
{  
    public static void main (String args[])  
    {  
        int n, total = 0;  
        double f = 0.0;  
        Scanner sc = new Scanner (System.in);  
        System.out.println ("Enter no. of item types");  
        n = sc.nextInt();  
        int rate[] = new int [n];  
        int item[] = new int [n];  
        for (int i = 0; i < n; i++)  
        {  
            System.out.println ("Enter rate");  
            rate[i] = sc.nextInt();  
            System.out.println ("Enter quantity");  
            item[i] = sc.nextInt();  
        }  
        for (int i = 0; i < n; i++)  
            total = total + (rate[i] * item[i]);  
        System.out.println ("Total bill amt = " + total);  
        if (total >= 10000)  
            f = total - ((50/100) * total);  
        else if (total >= 7500 && total <= 10000)  
            f = total - ((30/100) * total);  
        else if (total >= 5000 && total < 7500)  
            f = total - ((20/100) * total);  
        else  
            f = total;  
        System.out.println ("Final bill amt = " + f);  
    }  
}
```

```

import java.util.Scanner;
class Array
{
    public static void main(String args[])
    {
        int n,s=0,j=0,k=0;
        System.out.println("Enter no of elements");
        Scanner sc=new Scanner(System.in);
        n=sc.nextInt();
        int a[]=new int[n];
        System.out.println("Enter the elements in A");
        for(int i=0;i<n;i++)
            a[i]=sc.nextInt();
        int b[]=new int[n];
        int c[]=new int[n];
        for(int i=0;i<n;i++)
        {
            if(a[i]%2!=0)
            {
                b[k]=a[i];
                j++;
            }
            else
            {
                c[k]=a[i];
                k++;
            }
        }
        int max=0,min=c[0];
        for(int i=0;i<k;i++)
        {
            s=s+c[i];
            if(c[i]>max)
                max=c[i];
            if(c[i]<min)
                min=c[i];
        }
        double avg=s/k;
        System.out.println("sum="+s);
        System.out.println("Avg="+avg);
        System.out.println("max="+max+" "+"min="+min);
    }
}

```


Command Prompt

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C:\Users\Amit R>javac extra4.java

C:\Users\Amit R>java Array

Enter no of elements

6

Enter the elements in A

2

3

6

4

5

5

sum=12

Avg=4.0

max=6 min=2

C:\Users\Amit R>_