```
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);
```

```
Microsoft Windows [Version 10.0.18362.1082]
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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:
3
3
1
2
4
2
6
7
Sum of even indices =16
Sum of odd indices =22
C:\Users\Amit R>
```

Il Accept avoray & find sum of even indices

looked indices impost java. util. Scanner;

class Indices impost java. util. Scanner; public static void main (String args [] Sphere out int even =0, odd =0; Scanner Sc = New Scanner (System. System out . Sprintle ("Entor size of assor") n=sc. next Inf (); int ear [] = new int [n]; System out printly ("Enter array Elevents"); for (int 1=0 ; (n; 1++) or [i] = sc. vest Int (); for (int 1=0; i(n; 14+) if (i1.2==0)

even = even + ar(i]; else odd + con[i]; System out brintler ("Sun of even indices = "+ even)
System out brintler ("Sun of even indices = "+ even)

3

```
//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);
```

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

C:\Users\Amit R>java Number
enter no. of elements

p8
enter elements

12
10
-9
-6

k0
3
0
no. of positive nos.:3
no. of negative nos.:2
no. of zeroes: 3

C:\Users\Amit R>_

C:\Users\Amit R>_
```

No of positie, negative nos. & resols
class. Number spublic static void main (String ogs [7) System out printly ("Enter ha of clements (1); Scanner se = New Scanner (System in); inter[]= new int[100]; h = sc. next Int (); System out printly ("Enter elevents"); for Cinti=0; i(n; i++)

for Cinti=0; i(n; i++)

int np =0, nn =0, nz =0; for (int i=0; i(n; iff) if (ora (i] > 0) if (or [i] (0) $\inf \left(\operatorname{arg} \left[i \right] = = 0 \right)$ nz ft; System out printly ("No. of positive nos: "+np);
System out printly ("No. of negative nos: "+np);
System out printly ("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
```

Bill amount Impost gava util. Scanner; public static voil main (Storing ange (7) jut n, total = a; Soulde of =0.0; Scanices se = new Scanners (System. is) System out posithe ("butes no of item type") int side (7 = new int (n7; int item [] = new int [n]; for (intizo; ich jim) System out frith ("enter side");

gate (i) = sc. next (+();

System out frith ("enter quantity");

for (int I=0; i<n; i+t

for (int I=0; i<n; i+t

geten (i)

system out frith ("the (i) * jet (i))

system out frith ("the hill at + total");

if (total > = 10000)

l = total - (50/00) * total;

else if (total 7 = 5000 lx total;

else if (total 7 = 5000 lx total; else if Gofal 7= 5000 kk total (750) f = fotal - ((20/100) * fotal); System. out. periotele ("Final bill ant = "ef);

```
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)</pre>
                          min=c[i];
                  double avg=s/k;
                  System.out.println("sum="+s);
                  System.out.println("Avg="+avg);
System.out.println("max="+max+" "+"min="+min);
```

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

C:\Users\Amit R>java Array
Enter no of elements

Enter the elements in A

2

3

6

4

5
```

sum=12

Avg=4.0

max=6 min=2

C:\Users\Amit R>_