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```
1 import java.util.Scanner;
2 class evenodd
3 {
4     public static void main(String[] args)
5     {
6         int a[],n,sum1=0,sum2=0;
7         Scanner sc=new Scanner(System.in);
8         System.out.println("Enter the number of elements:");
9         n=sc.nextInt();
10        a=new int[n];
11        for(int i=0;i<n;i++)
12        {
13            a[i]=i;
14        }
15        System.out.print("sum of even indices:");
16        for(int i=0;i<n;i=i+2)
17        {
18            sum1=sum1+a[i];
19        }
20        System.out.println(sum1);
21        System.out.print("sum of odd indices:nnn");
22        for(int i=1;i<n;i=i+2)
23        {
24            sum2=sum2+a[i];
25        }
26        System.out.print(sum2);
27    }
28 }
29 |
```

```
sum of even indices:30
sum of odd indices:25
C:\Users\HARSHITHA RM\Desktop\ooj>java evenodd
Enter the number of elements:
6
sum of even indices:6
sum of odd indices:9
C:\Users\HARSHITHA RM\Desktop\ooj>
```

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

        S.o. pta ("Sum of odd indices:");
        for (int i=1; i<n; i=i+2)
        {
            sum2 = sum2 + a[i];
        }
        S.o. pln (sum2);
    }
}
```

```

1 import java.util.Scanner;
2
3 class posneg
4 {
5     public static void main(String[] args)
6     {
7         int a[],n=0,p=0,z=0,r;
8         Scanner sc=new Scanner(System.in);
9         System.out.println("Enter the number of elements:");
10        r=sc.nextInt();
11        a=new int[r];
12        System.out.println("Enter the elements:");
13        for(int i=0;i<r;i++)
14        {
15            a[i]=sc.nextInt();
16            if(a[i]>0)
17                p++;
18            else if(a[i]==0)
19                z++;
20            else
21                n++;
22        }
23        System.out.println(" number of positive elements are:"+p+"\n number of negative elements are:"+n+"\n number of zeroes are:"+z);
24
25    }
26 }
27
28

```

```
C:\Users\HARSHITHA RM\Desktop\ooj>javac posneg.java
```

```
C:\Users\HARSHITHA RM\Desktop\ooj>java posneg
```

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

```
10
```

```
Enter the elements:
```

```
1 2 3 -4 -5 7 8 0 0 -1
```

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

```
number of negative elements are:3
```

```
number of zeroes are:2
```

```

2) import java.util.Scanner;
class posneg
{
    public static void main (String s[])
    {
        Scanner sc = new Scanner (System.in);
        int a[], n, p, z, r;
        S.o. pln ("Enter number of elements:");
        r = sc.nextInt();
        a = new int[r];
        S.o. pln ("Enter elements of array");
        for (int i=0; i<r; i++)
        {
            a[i] = sc.nextInt();

            if (a[i] > 0)
                p++;
            else if (a[i] == 0)
                z++;
            else
                n++;
        }

        S.o. pln ("No. of positive elements are: "+p+
            "No. of negative elements: "+n+
            "No. of elements zeroes are: "+z);
    }
}

```



```

1 import java.util.Scanner;
2 class supermarket
3 {
4     public static void main(String[] args)
5     {
6         int q[],n,r[],totalamt=0;
7         double finalamt;
8         Scanner sc=new Scanner(System.in);
9         System.out.println("Enter the number of items:");
10        n=sc.nextInt();
11        r=new int[n+1];
12        q=new int[n+1];
13        System.out.println("Enter rate and quantity of each item:");
14        for(int i=1;i<=n;i++)
15        {
16            System.out.println("Enter rate of item"+i+":");
17            r[i]=sc.nextInt();
18            System.out.println("Enter quantity of item"+i+":");
19            q[i]=sc.nextInt();
20            totalamt=totalamt+(r[i]*q[i]);
21        }
22
23        if(totalamt>=10000)
24            finalamt=totalamt*(1-0.05);
25        else if(totalamt>=7500 && totalamt<10000)
26            finalamt=totalamt*(1-0.03);
27        else if(totalamt>=5000)
28            finalamt=totalamt*(1-0.02);
29        else
30            finalamt=totalamt;
31
32        System.out.println(finalamt);
33    }
34 }
35
36

```

```
C:\Users\HARSHITHA RM\Desktop\ooj>javac supermarket.java
```

```
C:\Users\HARSHITHA RM\Desktop\ooj>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\HARSHITHA RM\Desktop\ooj>
```



```

3) import java.util.Scanner;
class supermarket
{
    public static void main(String s[])
    {
        Scanner sc = new Scanner(System.in);
        int r[], q[], n, totalamt, finalamt;
        s.o.pln("Enter the number of items:");
        n = sc.nextInt(); r = new int[n];
        s.o.pln("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("\n quantity of item " + i + ":");
            q[i] = sc.nextInt();

            totalamt = totalamt + r * q;
        }

        if (totalamt >= 10000)
        {
            finalamt = totalamt - totalamt * 0.05;
            s.o.pln("final amt = " + finalamt);
        }

        else if (totalamt >= 7500 && totalamt < 10000)
        {
            finalamt = totalamt * (1 - 0.03);
            s.o.pln("final amt");
        }

        else if (totalamt >= 5000)
        {
            finalamt = totalamt * (1 - 0.02);
            s.o.pln("final amt");
        }
    }
}

```

```
else  
    s.opk ("No discount");  
}
```

```
}
```

```
import java.util.Scanner;  
class array  
{
```

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

```
        Scanner sc = new Scanner (System.in);  
        int n, a[], b[], c[]; sum double avg j = 0 i = 0  
        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.pln ("Enter the values"),
```

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

```
            a[i] = j = 0 sc.nextInt();
```

```
            if (a[i] % 2 == 0)
```

```
            {  
                a[j] = a[i];
```

```
                j++;  
            }  
        }
```

```
    else
```

```
    {
```

```
        b[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) / n;
```

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

```
"\n average = " + avg +
```

```
"\n max = " + max +
```

```
"\n min = " + min);
```

```
}  
}
```

```
for (int i=0; i<j; i++)  
{  
    sum = sum + c[i];  
    max = c[i];  
    min = c[i];  
}
```

```

1  import java.util.Scanner;
2  class array
3  {
4      public static void main(String[] args)
5      {
6
7          Scanner sc=new Scanner(System.in);
8          int n,a[],b[],c[],j=0,k=0,sum=0,max,min;
9          double avg;
10         System.out.println("Enter the number of elements:");
11         n=sc.nextInt();
12         a=new int[n];
13         b=new int[n];
14         c=new int[n];
15
16
17         System.out.println("Enter the elements:");
18         for(int i=0;i<n;i++)
19         {
20             a[i]=sc.nextInt();
21             if(a[i]%2==0)
22             {
23                 c[j]=a[i];
24                 j++;
25             }
26             else
27             {
28                 b[k]=a[i];
29                 k++;
30             }
31         }
32         max=c[0];
33         min=c[0];
34         System.out.println("array of even numbers:");
35         for(int i=0;i<j;i++)
36         {
37             sum=sum+c[i];
38             if( c[i]>max)
39                 max=c[i];
40             if(c[i]<min)
41                 min=c[i];
42             System.out.print(i+" ");
43         }
44         avg=(double)sum/j;
45         System.out.println("\nsum of even numbers =" +sum+"\naverage="+avg+"\nmax="+max+"\nmin="+min);
46     }
47 }

```

```
C:\Users\HARSHITHA RM\Desktop\ooj>javac array.java
```

```
C:\Users\HARSHITHA RM\Desktop\ooj>java array
```

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

```
10
```

```
Enter the elements:
```

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

```
array of even numbers:
```

```
0 1 2 3 4
```

```
sum of even numbers =30
```

```
average=6.0
```

```
max=10
```

```
min=2
```