

Program 1: Odd even Sum

```
import java.util.*;
class oes
{
    public static void main(String args[])
    {
        int i,se=0,so=0,n;
        Scanner ob = new Scanner(System.in);
        System.out.println("Enter the number of integers you want to store");
        n = ob.nextInt();
        int nn[] = new int[n];
        System.out.println("Enter the integers");
        for(i=0;i<n;i++)
        {
            nn[i] = ob.nextInt();
            if(i%2 == 0)
                se = se + nn[i];
            else
                so = so + nn[i];
        }
        System.out.println("Sum of the integers of the array at even indices: "+se);
        System.out.println("Sum of the integers of the array at odd indices: "+so);
    }
}
```

OUTPUT:

```
5
Enter the integers
1
-1
23
2
5
Sum of the integers of the array at even indices: 29
Sum of the integers of the array at odd indices: 1
```

Program 2: CPNZ

```
import java.util.*;
class cpnz
{
    public static void main(String args[])
    {
        int i,n,cz=0,cp=0,cn=0;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the no of integers you want to store");
        n = sc.nextInt();
        int nn[] = new int[n];
        System.out.println("Enter the integers ");
        for(i=0;i<n;i++)
```

```

        {
            nn[i] = sc.nextInt();
            if(nn[i]>0)
                cp++;
            else if(nn[i]<0)
                cn++;
            else
                cz++;
        }
        System.out.println("The total no of positive integers in the array: "+cp);
        System.out.println("The total no of negative integers in the array: "+cn);
        System.out.println("The total no of zeros in the array: "+cz);
    }
}

```

OUTPUT:

```

Enter the no of integers you want to store
10
Enter the integers
1
-1
2
3
5
6
0
0
-3
-2
The total no of positive integers in the array: 5
The total no of negative integers in the array: 3
The total no of zeros in the array: 2

```

Program 3:

```

import java.util.*;
class smb
{
    public static void main(String args[])
    {
        int x,i;
        double tot=0,dis,finam=0;
        Scanner in = new Scanner(System.in);

        System.out.println("Enter the total no of items in the cart");
        x = in.nextInt();
        double ratepi[] = new double[x];
        int no[] = new int[x];
        System.out.println("Enter the data");
        for(i=0;i<x;i++)
        {
            System.out.println("Enter the rate per item in Rs. for item "+(i+1));
            ratepi[i] = in.nextDouble();
            System.out.println("Enter the no. of items of item "+(i+1));
            no[i] = in.nextInt();
        }
    }
}

```

```

        tot = tot + (ratepi[i]*no[i]);
    }
    if(tot>=10000)
    {
        dis = (tot*5)/100;
        finam = tot - dis;
    }
    else if(tot>=7500 && tot<10000)
    {
        dis = (tot*3)/100;
        finam = tot - dis;
    }
    else if(tot>=5000 && tot<7500)
    {
        dis = (tot*2)/100;
        finam = tot - dis;
    }
    else
    {
        dis = 0;finam = tot;
    }
    System.out.println("Amount : Rs."+tot);
    System.out.println("Discount: Rs."+dis);
    System.out.println("Amount payable : Rs."+finam);
}
}

```

OUTPUT:

```

Enter the total no of unique items in the cart
5
Enter the data
Enter the rate per item in Rs. for item 1
10
Enter the no. of items of item 1
50
Enter the rate per item in Rs. for item 2
150
Enter the no. of items of item 2
10
Enter the rate per item in Rs. for item 3
50
Enter the no. of items of item 3
10
Enter the rate per item in Rs. for item 4
200
Enter the no. of items of item 4
30
Enter the rate per item in Rs. for item 5
25
Enter the no. of items of item 5
40
Amount : Rs.9500.0
Discount: Rs.285.0
Amount payable : Rs.9215.0

```

Program 4:OEM

```

import java.util.*;
class oem
{
    public static void main(String args[])
    {
        int i,co=0,ce=0,min,max,sum,n;
        double avg;
        Scanner in = new Scanner(System.in);
    }
}

```

```

System.out.println("Enter the no of integers");
n = in.nextInt();
int A[] = new int[n];
int B[] = new int[n];
int C[] = new int[n];
System.out.println("Enter the integers");
for(i=0;i<n;i++)
{
    A[i] = in.nextInt();
    if(A[i]%2!=0)
    {
        B[co] = A[i];
        co++;
    }
    else if(A[i] == 0)
        continue;
    else
    {
        C[ce] = A[i];
        ce++;
    }
}
max = C[0];
min = C[0];
sum = C[0];
for(i=1;i<ce;i++)
{
    sum = sum + C[i];
    if(C[i]>max)
        max = C[i];
    if(C[i]<min)
        min = C[i];
}
avg = (double)sum/ce;
System.out.println("Minimum even no is :"+min);
System.out.println("Maximum even no is :"+max);
System.out.println("Sum of even integers : "+sum);
System.out.println("Average of the even integers: "+avg);
}
}

```

OUTPUT:

```

Enter the no of integers
10
Enter the integers
1
-1
2
3
5
6
0
0
-3
-2
Minimum even no is :-2
Maximum even no is :6
Sum of even integers : 6
Average of the even integers: 2.0

```