```java
package com.company;
import java.util.*;
public class oddevesum {
    public static void main(String args[])
    {
        int eve=0,odd=0;
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the size of the array: ");
        int n =sc.nextInt();
        int a[]=new int[n];
        System.out.println("Enter the elements of thr array");
        for(int i=0;i<n;i++)
        {
            a[i]=sc.nextInt();
            if(i%2==0)
                eve+=a[i];
            else
                odd+=a[i];
        }
        System.out.println("\nSum of even elements is: "+ eve);
        System.out.println("\nSum of odd elements is: "+odd);
    }
}
```

output:

```
Enter the size of the array:
5
Enter the elements of the array
66
55
88
99
44

Sum of even elements is: 198

Sum of odd elements is: 154

Process finished with exit code 0
```

2)

```java
package com.company;

import java.util.Scanner;

public class posneg {
    public static void main(String args[])
    {
        int neg=0,pos=0,zero=0;
        Scanner sc = new Scanner(System.in) ;
        System.out.println("Enter the size of the array");
        int n=sc.nextInt();
```

```
        int a[]=new int[n];
        for(int i=0;i<n;i++)
        {
            a[i]=sc.nextInt();
            if(a[i]<0)
                neg++;
            else if(a[i]>0)
                    pos++;
            else
                zero++;
        }
        System.out.println("\n Total number rof positive values are: "+pos);
        System.out.println("\nTotal number of negative values are: "+neg);
        System.out.println("\nTotal numbr of zeroes are: "+zero);
    }
}
```

OUTPUT:

```
Enter the size and elements of the array
5
-1
-2
0
3
6

 Total number rof positive values are: 2

Total number of negative values are: 2

Total numbr of zeroes are: 1

Process finished with exit code 0
```

3)

```
package com.company;
import java.util.Scanner;
public class totalbill {
    public static void main(String args[])
    {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the total number of items: ");
        int n =sc.nextInt();
        double rate[]=new double[n];
        int qunt[]=new int[n];
        double sum=0;
        for(int i=0;i<n;i++)
```

```
        {
            System.out.println("\nEnter the price and quantity of item "+(i+1));
            rate[i]=sc.nextDouble();
            qunt[i]=sc.nextInt();
            sum+=(rate[i]*qunt[i]);
        }
        if(sum>10000)
            sum-=sum*0.05;
        else if(sum<10000 && sum>7500)
            sum-=sum*0.03;
        else if(sum<7500 && sum>5000)
            sum-=sum*0.02;
        System.out.println("\nTotal Amount after discount: "+sum);
    }
}
```

output:

```
Enter the total number of items:
3

Enter the price and quantity of item 1
5000
3

Enter the price and quantity of item 2
6000
1

Enter the price and quantity of item 3
11000
4

Total Amount after discount: 61750.0

Process finished with exit code 0
```

4)

```
package com.company;

import java.util.Scanner;

public class oddeven {
    public static void main(String args[])
    {
        Scanner sc =new Scanner(System.in);
        System.out.println("Enter the size of the array");
        int n =sc.nextInt();
        int A[]=new int[n];
        int p=0,q=0,sum=0,avg,eve=0,odd=0;
        System.out.println("\nEnter the elements");
        for(int i=0;i<n;i++)
```

```
        {
            A[i]= sc.nextInt();
            if(A[i]%2==0)
                eve++;
            if(A[i]%2!=0)
            {
                odd++;
            }
        }
        int B[]=new int[odd];
        int C[]=new int[eve];
        for(int i=0;i<n;i++)
        {
            if(A[i]%2==0)
                C[p++]=A[i];
            else
                B[q++]=A[i];
        }
        System.out.println("\nEven...");
            for(int j=0;j<eve;j++)
            {
                System.out.println(C[j]);
            }
        System.out.println("\nOdd...");
        for(int i=0;i<odd;i++)
        {
            System.out.println(B[i]);
        }
        int max=C[0],min=C[0];
        for(int i=0;i<eve;i++)
        {
            if(C[i]>max)
                max=C[i];
            if(C[i]<min)
                min=C[i];
            sum+=C[i];
        }
        System.out.println("\nSum , Maximum,Minimum for the even array is: "+sum+"
"+max+" "+min);
    }
}
```

OUTPUT:

```
Enter the size of the array
3

Enter the elements
25
36
98

Even...
36
98

Odd...
25

Sum , Maximum,Minimum for the even array is: 134 98 36

Process finished with exit code 0
```