

```
import java.util.*;
```

```
class Even_odd
```

```
{
```

```
    public static void main(String args[])
```

```
{
```

```
    Scanner sc = new Scanner(System.in);
```

```
    System.out.println("Enter the number of elements:");
```

```
    int n = sc.nextInt();
```

```
    int a[] = new int[n];
```

```
    int even=0;
```

```
    int odd=0;
```

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

```
    {
```

```
        System.out.println("Enter a["+i+"]");
```

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

```
    }
```

```
    for(int i=0;i<a.length;i++)
```

```
    {
```

```
        if(i%2==0)
```

```
            even+=a[i];
```

```
        else
```

```
            odd+=a[i];
```

```
    }
```

```
    System.out.println("Sum of even indices="+even);
```

```
    System.out.println("Sum of odd indices="+odd);
```

```
}}
```



```
import java.util.*;
```

```
class Array_num
```

```
{
```

```
    public static void main(String args[])
```

```
{
```

```
    Scanner sc = new Scanner(System.in);
```

```
    System.out.println("Enter the number of elements:");
```

```
    int n = sc.nextInt();
```

```
    int a[] = new int[n];
```

```
    int pos=0;
```

```
    int neg=0;
```

```
    int zero=0;
```

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

```
    {
```

```
        System.out.println("Enter a["+i+"]");
```

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

```
    }
```

```
    for(int i=0;i<a.length;i++)
```

```
    {
```

```
        if(a[i]>0)
```

```
            pos++;
```

```
        else if(a[i]<0)
```

```
            neg++;
```

```
        else
```

```
            zero++;
```

```
    }
```

```
    System.out.println("Number of positive numbers is:"+pos);
```

```
    System.out.println("Number of negative numbers is:"+neg);
```

```
    System.out.println("Number of zeroes is:"+zero);
```

```
}}
```



```
import java.util.Scanner;
```

```
class Array_sum1
```

```
{
```

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

```
    {
```

```
        Scanner sc= new Scanner(System.in);
```

```
        int i,n, j = 0, k = 0,sum=0,avg=0,max=0,min=0;
```

```
        System.out.print("Enter no. of elements :");
```

```
        n = sc.nextInt();
```

```
        int a[] = new int[n];
```

```
        int b[] = new int[n];
```

```
        int c[] = new int[n];
```

```
        max=c[0];
```

```
        System.out.println("Enter all the elements:");
```

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

```
        {
```

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

```
        }
```

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

```
        {
```

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

```
            {
```

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

```
                j++;
```

```
            }
```

```
            else
```

```
            {
```

```
                c[k] = a[i];
```

```
                k++;
```

```
            }
```

```
        }
```

```
        System.out.println("Odd:");
```

```
        if(j > 1)
```



```
System.out.println("Odd:");
if(j > 1)
{
    for( i = 0; i < (j-1); i++)
    {
        System.out.println(b[i]);
    }
    System.out.println(b[j-1]);
}
else
{
    System.out.println("No number");
}
System.out.println("Even:");
if(k > 1)
{
    for( i = 0; i < (k-1); i++)
    {
        System.out.println(c[i]);
    }
}
System.out.println(c[k-1]);
for(i=0;i<c.length;i++)
{
    sum+=c[i];
    avg = sum/k;
}
for(i=0;i<k;i++){
    min=c[0];
    if (c[i]>max){
        max=c[i];
    }
    if(c[i]<min){
        min = c[i];
    }
}
System.out.println("sum: " + sum);
```



```
System.out.println("Even:");
if(k > 1)
{
    for( i = 0; i < (k-1); i++)
    {
        System.out.println(c[i]);
    }
    System.out.println(c[k-1]);
    for(i=0;i<c.length;i++)
    {
        sum+=c[i];
        avg = sum/k;
    }
    for(i=0;i<k;i++){
        min=c[0];
        if (c[i]>max){
            max=c[i];
        }
        if(c[i]<min){
            min = c[i];
        }
    }
    System.out.println("sum =" +sum);
    System.out.println("Average="+avg);
    System.out.println("Maximum is="+max);
    System.out.println("Minimum is="+min);

}
}
```



Command Prompt

Microsoft Windows [Version 10.0.18362.1082]

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C:\Users\Nikita>c:

C:\Users\Nikita>cd desktop

C:\Users\Nikita\Desktop>cd OOI_LAB

C:\Users\Nikita\Desktop\OOI_LAB>java Even_odd

Enter the number of elements:

4

Enter a[0]

0

Enter a[1]

2

Enter a[2]

77

Enter a[3]

46

Sum of even indices=77

Sum of odd indices=48

C:\Users\Nikita\Desktop\OOI_LAB>java Array_num

Enter the number of elements:

6

Enter a[0]

11

Enter a[1]

22

Enter a[2]

33

Enter a[3]

44

Enter a[4]

55

Enter a[5]

66

Number of positive numbers is:6

Number of negative numbers is:0

Number of zeroes is:0



Type here to search



13:46

30-09-2020

Command Prompt

C:\Users\Nikita\Desktop\OOJ_LAB>java Array_num

Enter the number of elements:

4

Enter a[0]

0

Enter a[1]

-22

Enter a[2]

-378

Enter a[3]

444

Number of positive numbers is:1

Number of negative numbers is:2

Number of zeroes is:1

C:\Users\Nikita\Desktop\OOJ_LAB>java Bill_Array

Enter the number of items:

5

enter quantity of purchase and rate per item for item1

2

1000

enter quantity of purchase and rate per item for item2

3

2500

enter quantity of purchase and rate per item for item3

1

4000

enter quantity of purchase and rate per item for item4

3

700

enter quantity of purchase and rate per item for item5

2

1500

Discount = 5%. Total bill = 18600.0 Discounted bill = 17670.0

C:\Users\Nikita\Desktop\OOJ_LAB>java Array_sum1

Enter no. of elements :7

Enter all the elements:

11

71

72



Type here to search



13:46

ENG

30-09-2020



Command Prompt

```
1
4000
enter quantity of purchase and rate per item for item4
3
700
enter quantity of purchase and rate per item for item5
2
1500
Discount = 5%. Total bill = 18600.0 Discounted bill = 17670.0
```

```
C:\Users\Nikita\Desktop\OOJ_LAB>java Array_sum1
```

```
Enter no. of elements :7
```

```
Enter all the elements:
```

```
11
71
72
88
90
33
57
Odd:
11
71
33
57
Even:
72
88
90
sum =250
Average=83
Maximum is=90
Minimum is=72
```

```
C:\Users\Nikita\Desktop\OOJ_LAB>
```

```
C:\Users\Nikita\Desktop\OOJ_LAB>_
```



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