

1. import java.util.\*;

class Extra Program 1 {

public static void main (String args [])

{

Scanner ss = new

Scanner(System.in);

int a[], n, even = 0, odd = 0;

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

n = ss.nextInt();

a = new int[n];

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

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

{

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

a[i] = ss.nextInt();

}

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

if (i % 2 == 0)

even += a[i];

else

odd += a[i]; }

System.out.println("Sum of even indices of array: " + even);

System.out.println("Sum of odd indices of array: " + odd);

}

}

```

2. import java.util.*;
class extra program 2 {
    public static void main (String s[]) {
        int I=0, P=0, Z=0;
        int a[];
        Scanner s = new
        Scanner (System.in);
        System.out.println ("Enter the number of elements(n):");
        int n=s.nextInt();
        System.out.println ("Enter the elements: ");
        a=new int[n];
        for (int i=0; i<n; i++)
        {
            System.out.println ("Enter a["+i+"]");
            a[i]=s.nextInt();
        }
        for (int r=0; r<n; r++)
        {
            if (a[r]<0)
            {
                I++;
            }
            else if (a[r]>0)
            {
                P++;
            }
            else
            {
                Z++;
            }
        }
        System.out.println ("Number of positive elements: "+P);
        System.out.println ("Number of negative elements: "+I);
        System.out.println ("Number of zeroes: "+Z);
    }
}

```

\* import java.util.Scanner;

3. public class Bill {

public static void main(String[] args) {

Scanner sc = new

Scanner(System.in);

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

int n = sc.nextInt();

double[] p = new double[n];

int[] q = new int[n];

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



```

    System.out.println("Enter quantity of purchase and rate  

    per item for item " + (i+1));
    int q = sc.nextInt();
    double r = sc.nextDouble();
    quant[i] = q;
    rpi[i] = r;
}
for (int i = 0; i < n; i++) {
    indTot = quant[i] * rpi[i];
    tot += indTot;
}
if (tot > 10000) {
    System.out.println("Discount = 5%. Total bill = " + tot + " Discounted  

    bill = " + (tot - tot * 0.05)); }
else if (tot >= 7500) {
    System.out.println("Discount = 3%. Total bill = " + tot + " Discounted  

    bill = " + (tot - tot * 0.03)); }
else if (tot >= 5000) {
    System.out.println("Discount = 2%. Total bill = " + tot + " Discounted  

    bill = " + (tot - tot * 0.02)); }
else {
    System.out.println("No discount. Total bill = " + tot);
}
}
}
}

```

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

```
4: class extra program 4 {
```

```
    public static void main (String args) {
```

```
        int
```

```
        a[], b[], c[], n1 = 0, n2 = 0, sum = 0, min, max;
```

```
        double avg;
```

```
        Scanner s = new
```

```
        Scanner (System.in);
```

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

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

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

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

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

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

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

```
        {
```

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

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

```
        }
```

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

```
        {
```

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

```
            {
```

```
                b[n1] = a[i];
```

```
                n1++;
```

```
            }
```

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

```
            {
```

```
                c[n2] = a[i];
```

```
                n2++;
```

```
            }
```

```
        }
```

max = c[0];

min = c[0];

for (int i=0; i<n/2; i++)

{

sum = sum + c[i];

if (c[i] > max)

max = c[i];

else if (c[i] < min)

min = c[i];

}

avg = (double) sum / n/2;

System.out.println("Sum of even elements: "+sum);

System.out.println("Average of even elements: "+avg);

System.out.println("Maximum of even elements: "+max);

System.out.println("Minimum of even elements: "+min);

{

}