```java
import java.util.*;
public class Main
{
    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 a["+i+"]");
            a[i]=ss.nextInt();
        }
        for (int i = 0; i < n; i++) {
            if (i % 2 == 0)
                even += a[i];
            else
```

```java
        int a[],n,even = 0, odd = 0;
8       System.out.println("Enter the number of elements");
9       n=ss.nextInt();
10      a=new int[n];
11          System.out.println("Enter the elements:");
12          for(int i=0;i<n;i++)
13          {
14              System.out.println("Enter a["+i+"]");
15              a[i]=ss.nextInt();
16          }
17          for (int i = 0; i < n; i++) {
18              if (i % 2 == 0)
19                  even += a[i];
20              else
21                  odd += a[i];
22          }

24      System.out.println("Sum of even indices of the array: " + even);
25      System.out.println("Sum of odd indices of the array: " + odd);
26      }
27  }
```

```
Enter the number of elements
4
Enter the elements:
Enter a[0]
1
Enter a[1]
2
Enter a[2]
3
Enter a[3]
4
Sum of even indices of the array: 4
Sum of odd indices of the array: 6


...Program finished with exit code 0
Press ENTER to exit console.
```

```java
import java.util.*;
public class Main
{
    public static void main(String[] args) {
    int l=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 i=0;i<n;i++)
        {
            if(a[i]<0)
```

```java
        }
for(int i=0;i<n;i++)
{
    if(a[i]<0)
    {
        l++;
    }
    else if(a[i]>0)
    {
        p++;
    }
    else
    {
        z++;
    }
}
System.out.println("Number of positive elements: "+p);
System.out.println("Number of negative elements: "+l);
System.out.println("Number of zeros: "+z);
    }
}
```

```
Enter the number of elements (n):
4
Enter the elements:
Enter a[0]
1
Enter a[1]
5
Enter a[2]
-6
Enter a[3]
0
Number of positive elements: 2
Number of negative elements: 1
Number of zeros: 1


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Press ENTER to exit console.▯
```

```java
import java.util.*;
public class Main
{
    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 indTot, tot = 0;
        double[] rpi = new double[n];
        int[] quant = new int[n];
        for(int i = 0; i<n; i++){
            System.out.println("enter quantity of purchase and rate per item for item"
            int q = sc.nextInt();
            double r = sc.nextDouble();
            quant[i] = q;
            rpi[i] = r;
```

```java
        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
        }

        else if (tot >= 7500) {
            System.out.println("Discount = 3%. Total bill = " + tot + " Discounted bill
        }
        else if (tot >= 5000) {
            System.out.println("Discount = 2%. Total bill = " + tot + " Discounted bill
        }
        else{
            System.out.println(" No discount. Total bill = " + tot );
        }
}
```
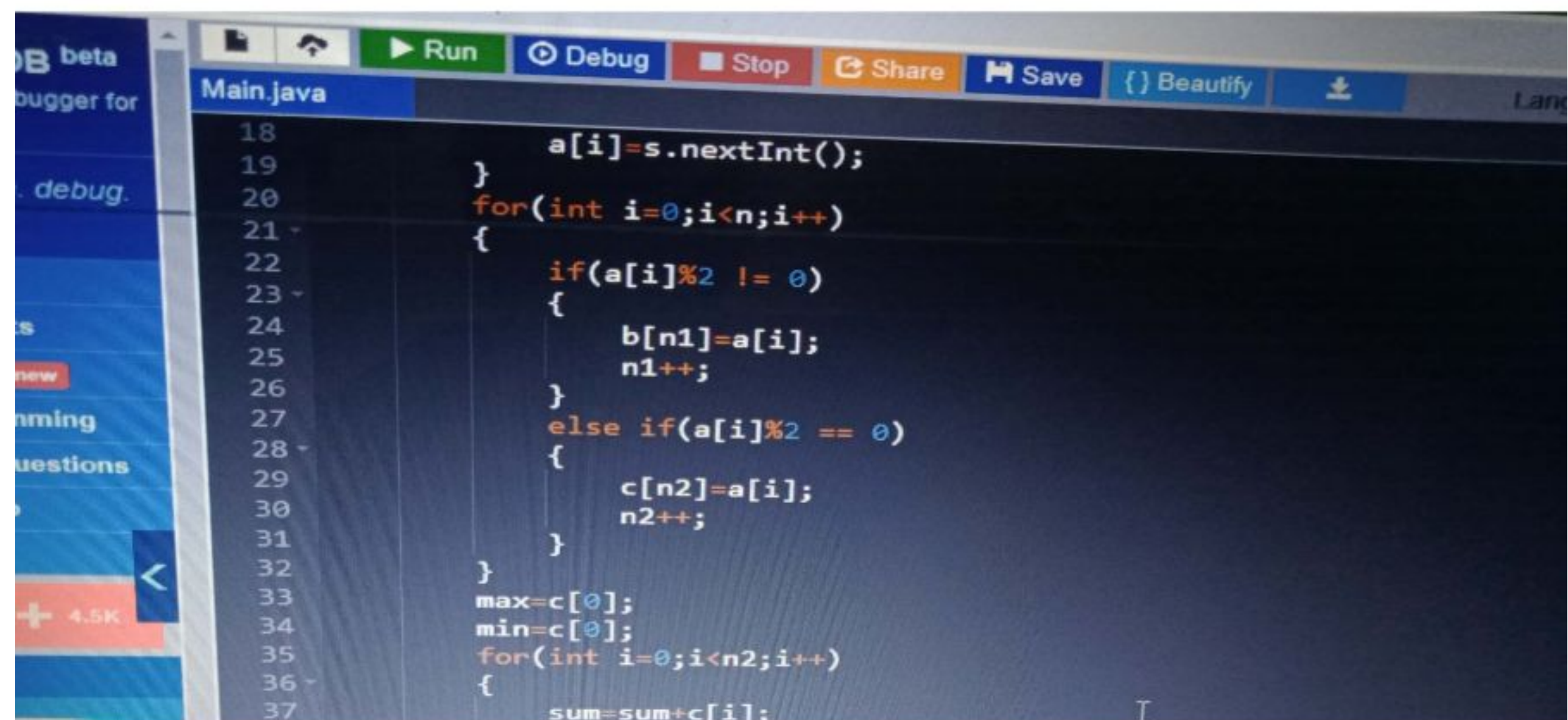
```
Enter the number of items:
4
enter quantity of purchase and rate per item for item1
4
2500
enter quantity of purchase and rate per item for item2
1
690
enter quantity of purchase and rate per item for item3
3
1000
enter quantity of purchase and rate per item for item4
1
879
Discount = 5%. Total bill = 14569.0 Discounted bill = 13840.55


...Program finished with exit code 0
Press ENTER to exit console.
```

```java
import java.util.*;
public class Main
{
    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++)
```

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Main.java

```java
18              a[i]=s.nextInt();
19          }
20      for(int i=0;i<n;i++)
21      {
22          if(a[i]%2 != 0)
23          {
24              b[n1]=a[i];
25              n1++;
26          }
27          else if(a[i]%2 == 0)
28          {
29              c[n2]=a[i];
30              n2++;
31          }
32      }
33      max=c[0];
34      min=c[0];
35      for(int i=0;i<n2;i++)
36      {
37          sum=sum+c[i];
```

```java
                        c[n2]=a[i];
30                          n2++;
31                      }
32                  }
33              max=c[0];
34              min=c[0];
35              for(int i=0;i<n2;i++)
36              {
37                      sum=sum+c[i];
38                      if(c[i]>max)
39                          max=c[i];
40                      else if(c[i]<min)
41                          min=c[i];
42              }
43              avg =(double)sum/n2;
44              System.out.println("Sum of even elements:"+ sum);
45              System.out.println("Average of even elements:"+ avg);
46              System.out.println("Maximum of even elements:"+ max);
47              System.out.println("Minimum of even elements:"+ min);
48          }
```

```
Enter the number of elements (n):
6
Enter the elements:
Enter a[0]
3
Enter a[1]
7
Enter a[2]
8
Enter a[3]
4
Enter a[4]
9
Enter a[5]
10
Sum of even elements:22
Average of even elements:7.33333333333333
Maximum of even elements:10
Minimum of even elements:4


...Program finished with exit code 0
Press ENTER to exit console.
```