

4) Display odd even array. Print sum, avg, max, min of elements in even array.

```
import java.util.*;
class dis
{
    public static void main(String args[])
    {
        Scanner s = new Scanner(System.in);
        System.out.print("Enter no. of elements");
        int n = s.nextInt();
        int arr[], even[], odd[];
        int e = 0, o = 0, total = 0;
        arr = new int[n];
        even = new int[n];
        odd = new int[n];
        System.out.print("Enter elements of array");
        for (int i = 0; i < n; i++)
        {
            arr[i] = s.nextInt();
        }
        for (int i = 0; i < n; i++)
        {
            if (arr[i] % 2 == 0)
            {
                even[e] = arr[i];
                e++;
            }
            else
            {
                odd[o] = arr[i];
                o++;
            }
        }
        System.out.println("Sum of even elements = " + (e * even[0]));
        System.out.println("Average of even elements = " + ((e * even[0]) / e));
        System.out.println("Max of even elements = " + even[e - 1]);
        System.out.println("Min of even elements = " + even[0]);
    }
}
```

SOP("The even array is")

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

{

SOP(even[i]);

total=total+even[i];

}

SOP("Odd array is");

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

{

SOP(odd[i]);

}

int min=even[0];

int max=even[0];

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

{

if (even[i]<min)

min=even[i];

}

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

{

if (even[i]>max)

max=even[i];

}

double avg=total/e;

SOP("The max of evenarray = " + max);

SOP("The min of even array = " + min);

SOP("The total = " + total);

SOP("The avg is = " + avg);

}

```
1 import java.util.Scanner;
2 class dis
3 {
4     public static void main(String args[])
5     {
6         Scanner s=new Scanner(System.in);
7         System.out.println("Enter the number of elements");
8         int n=s.nextInt();
9         int[] arr;
10        int[] even;
11        int[] odd;
12        int e=0;
13        int o=0;
14        int total=0;
15        arr=new int[n];
16        even=new int[n];
17        odd=new int[n];
18        System.out.println("Enter the elements of the array");
19        for(int i=0;i<n;i++)
20        {
21            arr[i]=s.nextInt();
22        }
23        for(int i=0;i<n;i++)
24        {
25            if(arr[i]%2==0)
26            {
27                even[e]=arr[i];
28                e++;
29            }
30            else
31            {
```

```
27         even[e]=arr[i];
28         e++;
29     }
30     else
31     {
32         odd[o]=arr[i];
33         o++;
34     }
35 }
36 System.out.println("THE EVEN ARRAY IS");
37 for(int i=0;i<e;i++)
38 {
39     System.out.println(even[i]);
40     total=total+even[i];
41 }
42 System.out.println("THE ODD ARRAY IS");
43 for(int i=0;i<o;i++)
44 {
45     System.out.println(odd[i]);
46 }
47 int min=even[0];
48 int max=even[e];
49 for(int i=0;i<e;i++)
50 {
51     if(even[i]<min)
52         min=even[i];
53 }
54 for(int i=0;i<e;i++)
55 {
56     if(even[i]>max)
57         max=even[i];
58 }
59 double avg=total/e;
60 System.out.println("the maximum of the even array is="+max);
61 System.out.println("the minimum of the even array is="+min);
62 System.out.println("the total of even array is="+total);
63 System.out.println("the average of even array is="+avg);
64 }
```

```
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inC:\Users\Nithin'>cd c:/java/bin
in
inc:\JAVA\bin>javac display.java
in
inc:\JAVA\bin>java dis
Enter the number of elements
in5
anEnter the elements of the array
ev56
oc34
S54
E76
29
THE EVEN ARRAY IS
56
34
54
76
THE ODD ARRAY IS
29
the maximum of the even array is=76
the minimum of the even array is=34
the total of even array is=220
the average of even array is=55.0
```