

```
1 import java.util.Arrays;
2
3 import java.util.Collections;
4
5 public class Sravan {
6
7     static void twoWaySort(Integer arr[], int n)
8     {
9
10         int l = 0, r = n - 1;
11
12         int k = 0;
13
14
15
16         while (l < r) {
17
18             while (arr[l] % 2 != 0) {
19
20                 l++;
21
22                 k++;
23
24             }
25
26             while (arr[r] % 2 == 0 && l < r)
27
28                 r--;
29
30             if (l < r) {
31
32                 int temp = arr[l];
33
34                 arr[l] = arr[r];
35
36                 arr[r] = temp;
37
38             }
39
40         }
41
42         Arrays.sort(arr, 0, k, Collections.reverseOrder());
43
44         Arrays.sort(arr, k, n);
45 }
```



```
25 }
26
27     while (arr[r] % 2 == 0 && l < r)
28
29         r--;
30
31     if (l < r) {
32
33         int temp = arr[l];
34
35         arr[l] = arr[r];
36
37         arr[r] = temp;
38
39     }
40
41 }
42
43 Arrays.sort(arr, 0, k, Collections.reverseOrder());
44
45 Arrays.sort(arr, k, n);
46
47 }
48
49 public static void main(String[] args)
50 {
51
52     Integer arr[] = {1,3,4,62,32,15,66,87};
53
54
55
56
57     twoWaySort(arr, arr.length);
58
59
60
61     System.out.println(Arrays.toString(arr));
62
63 }
64 }
```



X Terminal



```
[87, 15, 3, 1, 4, 32, 62, 66]
```

```
Process finished.
```

```
1 import java.util.*;
2 public class Main
3 {
4
5     public static void main(String[] args)
6     {
7
8         int n, a = 0, b = 0;
9
10        Scanner s = new Scanner(System.in);
11
12        System.out.println("name:- G.sravan\nsapid");
13        System.out.print("Enter no. of elements you want to enter");
14
15        n = s.nextInt();
16
17        int x[] = new int[n];
18
19        int odd[] = new int[n];
20
21        int even[] = new int[n];
22
23        System.out.println("Enter all the elements");
24
25        for(int y = 0; y < n; y++)
26        {
27
28            x[y] = s.nextInt();
29
30        }
31
32    }
33
34
35    for(int y = 0; y < n; y++)
36    {
37
38        if(x[y] % 2 != 0)
39        {
40
41            odd[a] = x[y];
42
43            a++;
44
45        }
46
47    }
48
49
50    System.out.println("The odd numbers are");
51
52    for(int y = 0; y < a; y++)
53    {
54
55        System.out.println(odd[y]);
56
57    }
58
59
60    System.out.println("The even numbers are");
61
62    for(int y = 0; y < n; y++)
63    {
64
65        if(x[y] % 2 == 0)
66        {
67
68            even[b] = x[y];
69
70            b++;
71
72        }
73
74    }
75
76
77    for(int y = 0; y < b; y++)
78    {
79
80        System.out.println(even[y]);
81
82    }
83
84
85    System.out.println("The total sum of odd numbers is " + a);
86
87    System.out.println("The total sum of even numbers is " + b);
88
89
90    System.out.println("Thank You");
91
92
93
94
95
96
```

```
35         for(int y = 0; y < n; y++)
36     {
37
38         if(x[y] % 2 != 0)
39     {
40
41             odd[a] = x[y];
42
43             a++;
44
45     }
46
47     else
48
49     {
50
51
52             even[b] = x[y];
53
54             b++;
55
56     }
57
58 }
59
60
61 System.out.print("Odd:");
62
63 if(a > 1)
64
65 {
66
67     for(int y = 0;y < (a-1); y++)
68
69     {
70
71         System.out.print(odd[y]+",");
72
73     }
74
75     System.out.print(odd[a-1]);
76
77 }
78
79     else
80
81 }
```

```
71             System.out.print(odd[y]+",");
72         }
73         System.out.print(odd[a-1]);
74     }
75     else
76     {
77         System.out.println("No number");
78     }
79     System.out.println("");
80     System.out.print("Even:");
81     if(b > 1)
82     {
83         for(int y = 0; y < (b-1); y++)
84         {
85             System.out.print(even[y]+",");
86         }
87         System.out.print(even[b-1]);
88     }
89     else
90     {
91         System.out.println("No number");
92     }
93 }
```

## X Terminal



```
name:- G.sravan
sapid:-51834566
Enter no. of elements you want in array:5
Enter all the elements:
38
58
474
648
57
Odd:No number

Even:38,58,474,648
Process finished.
```

```
2
3 abstract class House{
4     public abstract void tv();
5     public abstract void ac();
6     public abstract void sofa();
7 }
8     public class Brindavanam extends House{
9         public void tv(){
10            System.out.println("phone:- i am playing pubg\n");
11        }
12        public void ac(){
13            System.out.println("tv:- i am watching jabardasth\r");
14        }
15        public void sofa(){
16            System.out.println("speakers:- i am listening music");
17        }
18    public static void main (String args[]){
19        System.out.println("name:-G.sravan\nsapid:-51834566");
20        House obj=new Brindavanam();
21        obj.tv();
22        obj.ac();
23        obj.sofa();
24    }
25 }
```

## X Terminal



name:-G.sravan  
sapid:-51834566  
phone:- i am playing pubg

tv:- i am watching jabardasth

speakers:- i am listening music

Process finished.

```
1 public class Program
2 {
3     public static void main(String[] args) {
4         System.out.println("name:-G.sravan\nsapid:-"
5
6         int val=1;
7         for(int i=0;i<7;i++)
8         {
9             for(int j=1;j<i;j++)
10            {
11
12                 System.out.print(val);
13                 val++;
14             }
15             System.out.print("\n");
16         }
17     }
18 }
```

X Terminal



name:-G.sravan  
sapid:-51834566

1  
23  
456  
78910  
1112131415

Process finished.

```
1 import java.util.Scanner;
2 public class MyHome
3 {
4     public static void main(String[] args)
5     {
6         int n;
7         String temp;
8         Scanner s = new Scanner(System.in);
9         System.out.println("name:-G.sravan\nsapid:-");
10        System.out.print("Enter number of names you");
11        n = s.nextInt();
12        String names[] = new String[n];
13        Scanner s1 = new Scanner(System.in);
14        System.out.println("Enter all the names:");
15        for(int i = 0; i < n; i++)
16        {
17            names[i] = s1.nextLine();
18        }
19        for (int i = 0; i < n; i++)
20        {
21            for (int j = i + 1; j < n; j++)
22            {
23                if (names[i].compareTo(names[j])>0)
24                {
25                    temp = names[i];
26                    names[i] = names[j];
27                    names[j] = temp;
28                }
29            }
30        }
31        System.out.print("Names in Sorted Order:");
32        for (int i = 0; i < n - 1; i++)
33        {
34            System.out.print(names[i] + " ");
35        }
36        System.out.print(names[n - 1]);
37    }
38 }
```

## X Terminal



```
name:-G.sravan
sapid:-51834566
Enter number of names you want to enter:3
Enter all the names:
sravan
arun
baba
Names in Sorted Order:arun baba sravan
Process finished.
```