

```

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
11          int l = 0, r = n - 1;
12
13          int k = 0;
14
15
16
17          while (l < r) {
18
19              while (arr[l] % 2 != 0) {
20
21                  l++;
22
23                  k++;
24
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.reverse
44
45          Arrays.sort(arr, k, n);

```



```
25         }
26
27         while (arr[r] % 2 == 0 && 1 < r)
28
29             r--;
30
31         if (1 < 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
53     Integer arr[] = {1,3,4,62,32,15,66,87 };
54
55
56
57     twoWaySort(arr, arr.length);
58
59
60
61     System.out.println(Arrays.toString(arr));
62
63 }
64 }
```



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

```
Process finished.
```

```
1  import java.util.*;
2  public class Main
3
4  {
5
6      public static void main(String[] args)
7
8      {
9
10         int n, a = 0, b = 0;
11
12         Scanner s = new Scanner(System.in);
13
14         System.out.println("name:- G.sravan\nsapi");
15         System.out.print("Enter no. of elements you want to enter: ");
16
17         n = s.nextInt();
18
19         int x[] = new int[n];
20
21         int odd[] = new int[n];
22
23         int even[] = new int[n];
24
25         System.out.println("Enter all the elements");
26
27         for(int y = 0; y < n; y++)
28
29         {
30
31             x[y] = s.nextInt();
32
33         }
34
35         for(int y = 0; y < n; y++)
36
37         {
38
39             if(x[y] % 2 != 0)
40
41             {
42
43                 odd[a] = x[y];
44
45                 a++;
46

```

```

35         for(int y = 0; y < n; y++)
36
37     {
38
39         if(x[y] % 2 != 0)
40
41     {
42
43         odd[a] = x[y];
44
45         a++;
46
47     }
48
49     else
50
51     {
52
53         even[b] = x[y];
54
55         b++;
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     }
74
75     System.out.print(odd[a-1]);
76
77 }
78
79 else
80
81 {
82
83     System.out.println("No number");
84
85 }
86
87 System.out.println("");
88
89 System.out.print("Even:");
90
91 if(b > 1)
92
93 {
94
95     for(int y = 0; y < (b-1); y++)
96
97     {
98
99         System.out.print(even[y]+",");
100
101     }
102
103 System.out.print(even[b-1]);
104
105 }
106
107 else
108
109 {
110
111     System.out.println("No number");
112
113 }
114
115 }
```





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\n");
14 }
15 public void sofa(){
16 System.out.println("speakers:- i am listening music\n");
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 }
```



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 }
```



```
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 }
```



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.