

```

1  import java.io.*;
2  import java.util.*;
3  class Bifurcate
4  {
5      static void segregateEvenOdd(int arr[])
6      {
7          int left = 0, right = arr.length - 1;
8          while (left < right)
9          {
10             while (arr[left]%2 == 0 && left < right)
11                 left++;
12             while (arr[right]%2 == 1 && left < right)
13                 right--;
14             if (left < right)
15             {
16                 int temp = arr[left];
17                 arr[left] = arr[right];
18                 arr[right] = temp;
19                 left++;
20                 right--;
21             }
22         }
23     }
24     public static void main (String[] args) {
25         Scanner s = new Scanner(System.in);
26         System.out.println("Author : J Sri Sai Mano");
27         System.out.println("SAP ID : 51834596");
28         System.out.println("Enter the length of the array");
29         int length = s.nextInt();
30         int [] arr = new int[length];
31         System.out.println("Enter the elements of the array");
32
33         for(int i=0; i<length; i++ ) {
34             arr[i] = s.nextInt();
35         }
36         segregateEvenOdd(arr);
37         System.out.println("Array after segregation");
38         for (int i = 0; i < arr.length; i++)
39             System.out.print(arr[i]+" ");
40     }
41 }

```

✕ Terminal



```
Author : J Sri Sai Manoj
SAP ID : 51834596
Enter the length of the array:
5
Enter the elements of the array:
1
3
9
32
77
Array after segregation
32 3 9 1 77
Process finished.
```

```

1  abstract class House{
2      abstract void BedRoom();
3      abstract void Hall();
4      abstract void Kitchen();
5      abstract void DiningRoom();
6      abstract void Balcony();
7  }
8  class Manoj extends House
9  {
10     void BedRoom()
11     {
12         System.out.println("House has Bed Room");
13     }
14     void Hall()
15     {
16         System.out.println("House has Hall");
17     }
18     void Kitchen()
19     {
20         System.out.println("House has Kitchen");
21     }
22     void DiningRoom()
23     {
24         System.out.println("House has Dining Room");
25     }
26     void Balcony()
27     {
28         System.out.println("house has Balcony");
29     }
30 }
31 class Mansion
32 {
33     public static void main(String args[])
34     {
35         System.out.println("Author : J Sri Sai Manoj");
36         System.out.println("SAP ID : 51834596");
37         System.out.println("House_Name:");
38         House s=new Manoj();
39         s.BedRoom();
40         s.Hall();
41         s.Kitchen();
42         s.DiningRoom();
43         s.Balcony();
44     }
45 }

```

✕ Terminal



```
Author : J Sri Sai Manoj  
SAP ID : 51834596  
House_Name:  
House has Bed Room  
House has Hall  
House has Kitchen  
House has Dining Room  
house has Balcony
```

```
Process finished.  
|
```



```
1 public class Pattern
2 {
3     public static void main(String[] args)
4     {
5         System.out.println("Author : J Sri Sai Manoj")
6         System.out.println("SAP ID : 51834596");
7         int val=1;
8         System.out.print("Output: ");
9         for(int i=0;i<7;i++)
10        {
11            for(int j=1;j<i;j++)
12            {
13                System.out.print(val);
14                val++;
15            }
16            System.out.print("\n");
17        }
18    }
19 }
```

✕ Terminal



```
Author : J Sri Sai Manoj
SAP ID : 51834596
Output:
```

```
1
23
456
78910
1112131415
```

```
Process finished.
```

```

1  public class Merge
2  {
3      public static void main(String b[])
4      {
5          System.out.println("Author : J Sri Sai Ma
6          System.out.println("SAP ID : 51834596");
7          int count;
8          String temp;
9          count = b[0];
10         String str[] = new String[count];
11         for(int i = 0; i < count; i++)
12         {
13             str[i] = b[i];
14         }
15         for (int i = 0; i < count; i++)
16         {
17             for (int j = i + 1; j < count; j++)
18                 if (str[i].compareTo(str[j])>0)
19                 {
20                     temp = str[i];
21                     str[i] = str[j];
22                     str[j] = temp;
23                 }
24             }
25         }
26         for (int i = 0; i <= count - 1; i++)
27         {
28             System.out.print(str[i] + ", ");
29         }
30     }
31 }

```

```

1  import java.util.Arrays;
2  import java.util.Collections;
3  public class AscendingOrder {
4      static void twoWaySort(Integer arr[], int n)
5      {
6          int l = 0, r = n - 1;
7          int k = 0;
8
9          while (l < r)
10         {
11             while (arr[l] % 2 != 0)
12             {
13                 l++;
14                 k++;
15             }
16             while (arr[r] % 2 == 0 && l < r)
17                 r--;
18             if (l < r)
19             {
20                 int temp = arr[l];
21                 arr[l] = arr[r];
22                 arr[r] = temp;
23             }
24         }
25         Arrays.sort(arr, k, n);
26     }
27     public static void main(String[] args)
28     {
29         System.out.println("Author : J Sri Sai Manoj");
30         System.out.println("SAP ID : 51834596");
31         Integer arr[] = { 1,3,4,62,32,87,66,15};
32         System.out.println("Ascending Order: ");
33         twoWaySort(arr, arr.length);
34         System.out.println(Arrays.toString(arr));
35     }
36 }

```

✕ Terminal



Author : J Sri Sai Manoj

SAP ID : 51834596

Ascending Order:

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

Process finished.