```java
import java.util.Arrays;
import java.util.Collections;
import java.util.Scanner;
public class ArrangeArray
{
  static void twoWaySort(Integer arr[], int n)
  {
    int l = 0, r = n - 1;
    int k = 0;
    while (l < r)
    {
      while (arr[l] % 2 != 0)
      {
        l++;
        k++;
      }
      while (arr[r] % 2 == 0 && l < r)
        r--;
      if (l < r)
      {
        int temp = arr[l];
        arr[l] = arr[r];
        arr[r] = temp;
      }
    }
    Arrays.sort(arr, 0, k, Collections.reverseOrder()
    Arrays.sort(arr, k, n);
  }
public static void main(String[] args)
{
  Scanner s = new Scanner(System.in);
  System.out.println("Enter the length of the array:"
  Integer length = s.nextInt();
  Integer [] arr = new Integer[length];
  System.out.println("Enter the elements of the array
  for(int i=0; i<length; i++ )
  {
   arr[i] = s.nextInt();
  }
  System.out.println("Ascending Order: ");
    twoWaySort(arr, arr.length);
    System.out.println(Arrays.toString(arr));
  }
}
```

```
Enter the length of the array:
8
Enter the elements of the array:
1 3 4 62 32 15 66 87
Ascending Order:
[87, 15, 3, 1, 4, 32, 62, 66]

Process finished.
```

```java
import java.util.Scanner;
public class Merge
{
static Scanner s = new Scanner(System.in);
public static void main(String[] args)
{
Scanner s = new Scanner(System.in);
System.out.println("Enter the size of the first array
int [] arr1 = insert();
System.out.println("Enter the size of the second arra
int [] arr2 = insert();
int [] arr3 = new int [arr1.length+arr2.length];
for(int i=0;i<(arr1.length+arr2.length);i++)
{
 if(i<arr1.length)
  {
   arr3[i]=arr1[i];
  }
 else
  {
   arr3[i]=arr2[i-arr1.length];
  }
}
bubblesort(arr3);
for(int i=0;i<arr3.length;i++)
{
 System.out.print(arr3[i]+" ");
}
}
public static int[] insert()
{
 int [] arr = new int[s.nextInt()];
 System.out.println("Enter the values :");
 for(int i=0;i<arr.length;i++)
 {
  arr[i] = s.nextInt();
 }
 return arr;
}
public static int[] bubblesort(int arr [])
{
 System.out.println("Output: ");
 for(int i=0;i<arr.length-1;i++)
 {
  for(int j=0;j<arr.length-i-1;j++)
  {
   if(arr[j]>arr[j+1])
   {
     int temp = arr[j];
     arr[j]   = arr[j+1];
     arr[j+1] = temp;
   }
 }
 }
 return arr;
}
}
```

```
Enter the size of the first array:
5
Enter the values :
1 56 89 3 25
Enter the size of the second array:
5
Enter the values :
2 78 36 95 12
Output:
1 2 3 12 25 36 56 78 89 95
Process finished.
```

```java
abstract class Student{
 abstract void reading();
 abstract void listening();
 abstract void writing();
 abstract void walking();
 abstract void drawing();
}
 class Std extends Student{
 void reading(){
  System.out.println("Student is reading...");
 }
 void listening(){
  System.out.println("Student is listening...");
 }
 void writing(){
  System.out.println("Student is writing...");
 }
 void walking(){
  System.out.println("Student is walking...");
 }
 void drawing(){
  System.out.println("Student is drawing...");
 }
}
 class Stude{
 public static void main(String args[]){
  System.out.println("Name :");
  Student s=new Std();
  s.reading();
  s.listening();
  s.writing();
  s.walking();
  s.drawing();
 }
}
```

File info ⓘ

```
Name :
Student is reading...
Student is listening...
Student is writing...
Student is walking...
Student is drawing...

Process finished.
```

```java
import java.lang.Math;
public class Pattern
{
  public static void main(String[] args)
  {
      char ch=' ';
      System.out.println("Output: ");
      for(int i=4;i>=1;i--)
      {
          int k=(int)Math.pow(2,i-1);
          if(i==4)
            ch='*';
          else if(i==3)
            ch='&';
          else if(i==2)
            ch='%';
          for(int j=i;j<=4;j++)
          {
              System.out.print(" ");
          }
          for(int j=1;j<=k+2;j++)
          {
              if(j==1 || j==k+2 && i!=1)
              {
                  System.out.print("#");
              }
              else if(i!=1)
              {
                  System.out.print(ch);
              }
          }
          System.out.println();
      }

  }
}
```

```
Output:
 #*********#
  #&&&&&#
   #%%#
    #


Process finished.
```

```java
import java.util.*;
public class WordCount
{
  static int wordcount(String string)
   {
    int count=0;
    char ch[]= new char[string.length()];
    for(int i=0;i<string.length();i++)
     {
      ch[i]= string.charAt(i);
      if( ((i>0)&&(ch[i]!=' ')&&(ch[i-1]==' '))
                || ((ch[0]!=' ')&&(i==0)) )

                count++;
      }
       return count;
     }
public static void main(String[] args)
{
 Scanner sc = new Scanner (System.in);
 System.out.println("enter the string");
 String string =sc.nextLine();
System.out.print("Output: "+wordcount(string)
                                        + " words.");
 }
}

```

```
Enter the string
hello how are u doing hope all well
Output: 8 words.
Process finished.
```

Attempts allowed: 1

This quiz closed on Monday, 27 July 2020, 4:00 PM

Time limit: 30 mins

SUMMARY OF YOUR PREVIOUS ATTEMPTS

State	Marks / 20.00	Grade / 10.00	Review
Finished Submitted Monday, 27 July 2020, 3:33 PM	13.00	6.50	Not permitted

YOUR FINAL GRADE FOR THIS QUIZ IS 6.50/10.00.

No more attempts are allowed

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