**Bubble sort Algorithm**:

public class BubbleSortExample {

static void bubbleSort(int[] arr) {

int n = arr.length;

int temp = 0;

for(int i=0; i < n; i++){

for(int j=1; j < (n-i); j++){

if(arr[j-1] > arr[j]){

//swap elements

temp = arr[j-1];

arr[j-1] = arr[j];

arr[j] = temp;

}

}

}

}

public static void main(String[] args) {

int arr[] ={40,20,30,70,50,60,10};

System.out.println("Array Before Bubble Sort");

for(int i=0; i < arr.length; i++){

System.out.print(arr[i] + " ");

}

System.out.println();

bubbleSort(arr);//sorting array elements using bubble sort

System.out.println("Array After Bubble Sort");

for(int i=0; i < arr.length; i++){

System.out.print(arr[i] + " ");

}

}

}

**Output:**

Array Before Bubble Sort

40 20 30 70 50 60 10

Array After Bubble Sort

10 20 30 40 50 60 70