class Main {

static void bubbleSort(int arr[], int n) {

int i, j, temp;

boolean swapped;

for (i = 0; i < n - 1; i++) {

swapped = false;

for (j = 0; j < n - i - 1; j++) {

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

temp = arr[j];

arr[j] = arr[j + 1];

arr[j + 1] = temp;

swapped = true;

}

}

if (!swapped) {

break;

}

}

}

static void printArray(int arr[], int size) {

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

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

}

System.out.println();

}

public static void main(String args[]) {

int arr[] = {64, 34, 32, 56, 33, 66, 11, 22};

int n = arr.length;

bubbleSort(arr, n);

System.out.println("Sorted array:");

printArray(arr, n);

}

}