#include <stdio.h>

void bubbleSort(int arr[], int size) {

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

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

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

// Swap the elements

int temp = arr[j];

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

arr[j + 1] = temp;

}

}

}

}

int main() {

int size;

printf("Enter the size of the array: ");

scanf("%d", &size);

if (size <= 0) {

printf("Please enter a positive integer for the size of the array.\n");

return 1;

}

int arr[size];

printf("Enter %d elements of the array:\n", size);

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

scanf("%d", &arr[i]);

}

bubbleSort(arr, size);

printf("Sorted array:\n");

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

printf("%d ", arr[i]);

}

printf("\n");

return 0;

}