#include <stdio.h>

void insertionsort(int a[], int n) {

int i, j, temp;

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

temp = a[i];

j = i - 1;

while (j >= 0 && a[j] > temp) {

a[j + 1] = a[j];

j = j - 1;

}

a[j + 1] = temp;

}

}

int main() {

int a[10], n, i;

printf("Enter the number of elements: ");

scanf("%d", &n);

printf("Enter the elements: ");

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

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

}

insertionsort(a, n);

printf("Sorted elements: ");

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

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

}

printf("\n");

return 0;

}