#include <stdio.h>

int main() {

int arr[] = {29, 10, 14, 37, 13};

int n = sizeof(arr) / sizeof(arr[0]);

// Insertion Sort logic

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

int key = arr[i];

int j = i - 1;

// Move elements greater than key one position ahead

while (j >= 0 && arr[j] > key) {

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

j--;

}

arr[j + 1] = key;

}

// Display sorted array

printf("Sorted array using Insertion Sort:\n");

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

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

printf("\n");

return 0;

}