**#include <stdio.h>**

**int main() {**

**int arr[] = {02, 72, 32, 00, 05, 10, 12, 96};**

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

**int i, j, temp;**

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

**temp = arr[i];**

**j = i - 1;**

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

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

**j--;**

**}**

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

**}**

**printf("Sorted array: ");**

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

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

**return 0;**

**}**