INSERTION SORT

#include <math.h>

#include <stdio.h>

**void** insertionSort(**int** arr[], **int** n)

{

**int** i, key, j;

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

    {

        key = arr[i];

        j = i - 1;

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

        {

            arr[j + 1] = arr[j];

            j = j - 1;

        }

        arr[j + 1] = key;

    }

}

**void** printArray(**int** arr[], **int** n)

{

**int** i;

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

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

**printf**("\n");

}

**int** main()

{

**int** arr[] = {12, 11, 13, 5, 6};

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

    insertionSort(arr, n);

    printArray(arr, n);

**return** 0;

}

OUTPUT

5 6 11 12 13