Insertion sort :-

```c
#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;

    }