```
#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;
```

```
5 6 11 12 13

--------------------------------
Process exited after 0.0277 seconds with return value 0
Press any key to continue . . .
```

```
}
```