EXERCISE-73; Insertion sort

PROGRAM;

```
def insertion_sort(arr):
    for i in range(1, len(arr)):
        key = arr[i]
        j = i - 1
        while j >= 0 and key < arr[j]:
            arr[j + 1] = arr[j]
            j -= 1
        arr[j + 1] = key
arr = [69, 28, 2, 28, 12]
insertion_sort(arr)
print("Sorted array is:", arr)
```

OUTPUT;

```
Sorted array is: [2, 12, 28, 28, 69]
```

TIME COMPLEXITY; $O(n2)$