73.Insertion Sort

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AIM:Python program to sort an elements by using 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
  return arr
arr = [12, 11, 13, 5, 6]
sorted_arr = insertion_sort(arr)
print("Sorted array is:", sorted_arr)
```

Sorted array is: [5, 6, 11, 12, 13]

OUTPUT:

TIME COMPLEXITY: O(n^2)