71.selection sort

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PROGRAM:-
def insertion_sort(arr):
  # Traverse through 1 to len(arr)
  for i in range(1, len(arr)):
    key = arr[i]
    # Move elements of arr[0..i-1], that are greater than key,
    # to one position ahead of their current position
    j = i - 1
    while j \ge 0 and key < arr[j]:
       arr[j + 1] = arr[j]
      j -= 1
    arr[j + 1] = key
# Example usage
if __name__ == "__main__":
  # Sample array
  array = [12, 11, 13, 5, 6]
  print("Original array:")
  print(array)
  insertion_sort(array)
  print("Sorted array:")
  print(array)
OUTPUT:-
```

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Original array:
[12, 11, 13, 5, 6]
Sorted array:
[5, 6, 11, 12, 13]
=== Code Execution Successful ===
```

TIME COMPLEXITY:-O(n2)