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1. Selection Sort:
Program:
def selection_sort(arr):
  # Traverse through all array elements
  for i in range(len(arr)):
    # Find the minimum element in remaining unsorted array
    min idx = i
    for j in range(i + 1, len(arr)):
      if arr[min_idx] > arr[j]:
         min_idx = j
    # Swap the found minimum element with the first element
    arr[i], arr[min_idx] = arr[min_idx], arr[i]
  return arr
# Example usage:
arr = [64, 25, 12, 22, 11]
sorted_arr = selection_sort(arr)
print("Sorted array:", sorted_arr)
Output:
 "C:\Program Files\Python312\python.exe" "C:\Work Space\DAA\DAA COADS.PYTHON\program 73.py"
 Process finished with exit code \theta
Time complexity:
O(n^2)
```