5. Create a python program to sort a list of numbers using selection sort

def selection\_sort(arr):

n = len(arr)

for i in range(n):

min\_index = i # Assume the minimum is at index i

for j in range(i + 1, n):

if arr[j] < arr[min\_index]:

min\_index = j # Update index of minimum element

# Swap the found minimum with the first element

arr[i], arr[min\_index] = arr[min\_index], arr[i]

# Example usage

if \_\_name\_\_ == "\_\_main\_\_":

numbers = [64, 25, 12, 22, 11]

print("Original list:", numbers)

selection\_sort(numbers)

print("Sorted list:", numbers)