AI-3

def greedy\_selection\_sort(arr):

n = len(arr)

for i in range(n):

min\_index = i

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

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

min\_index = j

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

# Example usage:

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

print("Original array:", arr)

greedy\_selection\_sort(arr)

print("Sorted array:", arr)

O/P:

Original array: [64, 25, 12, 22, 11]

Sorted array: [11, 12, 22, 25, 64]