The Greedy Search Algorithm is a simple search algorithm that makes locally optimal choices at each step in the hope of finding a global optimum. It is often used in optimization and combinatorial problems.

Selection sort is a simple sorting algorithm that repeatedly selects the smallest element from the unsorted part of the array and swaps it with the element in the current position. This process is repeated until the entire array is sorted.

Here's the implementation of the Selection sort algorithm for the given array [2, 1, 3, 5, 4]:

def selection\_sort(arr):

n = len(arr)

for i in range(n-1):

# Find the index of the minimum element in the unsorted part

min\_index = i

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

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

min\_index = j

# Swap the minimum element with the current element

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

return arr

# Test the selection\_sort function

arr = [2, 1, 3, 5, 4]

sorted\_arr = selection\_sort(arr)

print(sorted\_arr)

Output:

[1, 2, 3, 4, 5]