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**Problem statement**

Implement Greedy search algorithm for any of the following application: • Selection Sort • Minimum Spanning Tree • Single-Source Shortest Path Problem • Job Scheduling Problem • Prim's Minimal Spanning Tree Algorithm • Kruskal's Minimal Spanning Tree Algorithm • Dijkstra's Minimal Spanning Tree Algorithm

**Input**

def Selection\_Sort(array):

for i in range(0, len(array) - 1):

smallest = i

for j in range(i + 1, len(array)):

if array[j] < array[smallest]:

smallest = j

array[i], array[smallest] = array[smallest], array[i]

array = input('Enter the list of numbers: ').split()

array = [int(x) for x in array]

Selection\_Sort(array)

print('List after sorting is : ', end='')

print(array)

**OUTPUT**

