!pip install python-tsp import numpy as np

from python\_tsp.heuristics import solve\_tsp\_simulated\_annealing

n = int(input("Enter number of cities: "))

tsp=[[0 for i in range(n)] for j in range(n)]

for i in range(n):

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

if(i!=j):

tsp[i][j]=int(input("Enter the distance from city "+str(i+1)+" to city "+str(j+1)+": "))

tsp[j][i]=tsp[i][j]

tsp = np.array(tsp)

sim\_permutation, sim\_distance = solve\_tsp\_simulated\_annealing(tsp) sim\_permutation.append(sim\_permutation[0])

print("The order of cities is:",sim\_permutation)

print("The minimum distance is",sim\_distance)