→ Dijkstra's Algorithm.

impl-exp

class Graph:
    def __init__(self, vertices):
        self.V = vertices
        self.graph = [[]]

    def printSol(self, dist):
        print("V from source)
        for node in range(self.V):
            print(node,)

    def minDist(self, dist, sptset):
        min = sys.maxsize
        for v in range(self.V):
            if dist[v] < min & sptset[v] == f
                min = dist[v]
                min_index = v
        return min_index

```
def dijkstra(self, src):
    dist = [sys.maxsize] * self.V
    dist[src] = 0
    sptSet = [False] * self.V


    self.printSolution(dist)
```