Test Cases

om graph import Gra
ass TestGraph(unittest.TestCase
f setUp(self
If.graph = Graph
If.graph.add_node(
If.graph.add_node(
If.graph.add_node(
lf.graph.add_edge(1, 2,
If.graph.add_edge(1, 3,
If.graph.add_edge(2, 3,
f test_dijkstra(self
stance, path = self.graph.dijkstra(1,
If.assertEqual(distance,
If.assertEqual(path, [1, 2, 3
f test_add_node(self
If.graph.add_node(

Test Cases

If.assertIn(4, self.graph.G.nodes(

f test_add_edge(self

If.graph.add_edge(3, 4,

If.assertIn((3, 4), self.graph.G.edges(

If.assertEqual(self.graph.G[3][4]['weight'],

__name__ == '__main__

ittest.main

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