This code implements Dijkstra's Algorithm to find the shortest path between two nodes in a given weighted graph.

How it works:

- 1. Start at a chosen node, initially setting the distance to itself as zero and to all other nodes as infinite.
- 2. Select the unvisited node with the smallest known distance and explore its neighboring nodes, examining the connections from the current node.
- 3. Updates distances as it progresses, calculating new total distances to reach each neighbor.
- 4. If a shorter path to a neighbor is found, update the distance for that neighbor.
- 5. Repeat steps 2-4 until all reachable nodes have been processed.
- 6. After the main algorithm completes, the shortest path from the start node to any destination can be reconstructed using the recorded information.

Currently, the implementation of this feature contains a logic bug that causes the calculation of this algorithm to deviate from its intended functionality.

Algorithm expected outcomes:

For the graph provided in the code, the shortest path from node A to node E is [A, C, D, E], its distance is 5.

Algorithm actual outcomes:

For the graph provided in the code, the shortest path from node A to node E is [A, C, D, E], its distance is 2.