**Introduction:**

The main objective of this study was to create a program that would display the graph and highlight the shortest path between two nodes. This would help visualize the shortest paths in the graph, making it easier to understand.

**Algorithm:**

Step 1: Create the graph

Step 2: define the edges

Step 3: Add the weights to the edges

Step 4: Use the spring\_layout to plot the nodes

Step 5: Use draw\_networkx\_edge\_labels to display the weights

Step 6: Display the graph

Step 7: Create a list of nodes

Step 8: Ask the user for from and to location

Step 9: Highlighting the shortest path