Report

1. Program reads the points.csv and connection.csv and converts into a dictionary format.
2. The code calculates the location matrix by iterating over each connection in the connection dictionary.
3. For each connection, it retrieves the coordinates of the connected points from the points dictionary.
4. Using the provided formula, the code calculates the distance between the points and stores it in the location matrix.
5. The location matrix is saved to a CSV file named "inputfileAS4.csv".
6. The code iterates over the location matrix and writes it to the output file, replacing zero values with "-" to indicate no connection.