Assignment 2

Task 1: Describe the following network in your own words. Explain the role of each node and the connections between them.

Task 2: Identify the vertex that is more central in the network.

Task 3: Calculate the degree of each vertex in the network.

Task 4: Determine the diameter of the network.

Task 5: Find the shortest path between two given vertices in the network.

Task 6: Analyze the clustering coefficient of the network.

Task 7: Explain the concept of network centrality and its importance in network analysis.

Task 8: Discuss the implications of network structure on the spread of information in social networks.