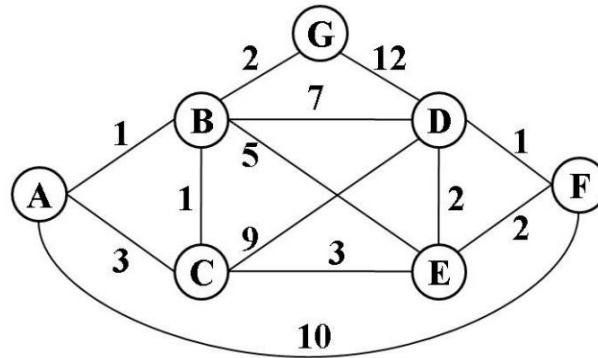**CSE 3512 – Algorithm Design and Analysis**
Lab 10

1. Implement Dijkstra's algorithm for finding the shortest paths from a given source vertex to other vertices in the given weighted connected graph.

2. Implement a solution to the longest common subsequence problem using dynamic programming. Given two strings, string1 and string2, the task is to find the length of the longest subsequence common to two sequences and print the subsequence. If there is no common subsequence, return 0.
   String 1: lullabybabies
   String 2: skullandbones