

Assignment 06

1. Write a depth first search function that accepts a starting vertex and an ending vertex. If the ending vertex is found, It should also return the path of the search.
2. Implement a breadth first search function that accepts a starting vertex and an ending vertex of a graph. This time, assume that the graph is implemented using an adjacency matrix.
3. Why does Djikstra's Algorithm NOT work for graphs with negative weights?
4. Write a function that accepts a directed acyclic graph (DAG) and a path. It should return whether the path is valid or not.