Implement Depth First Search (Recursive) and Breadth-First-Search (Iterative) in any of the programming language you prefer.

Instructions:

1. Code must be appropriately documented.
    - can be seen in the code.
2. Use the appropriate data structure for implementation. (queue and linked list?)
    - We have used a queue for the BFS, and a stack was implicitly used for our recursive DFS.
3. Design 2 test cases and document trace of your algorithm
    1. A graph with 10 nodes
        - Test data can be seen in ten.txt, and trace information can be seen in trace.txt
    2. A graph with 100 nodes
        - Test data can be seen in hundred.txt, and trace information can be seen in trace.txt
4. Document the running time of your algorithm.
    - Run times, have been commented in the code.

Upload a single zip folder that has your well documented source code and an additional document answering the aforementioned questions.

- This document