GRAPH

1. Introduction to graph and its representation (matrix and list form both)
2. Introduction to BFS and DFS
    a. Questions on DFS
        i. https://www.geeksforgeeks.org/find-number-of-islands/
        ii. https://www.geeksforgeeks.org/longest-path-between-any-pair-of-vertices/
        iii. https://www.geeksforgeeks.org/find-a-mother-vertex-in-a-graph/
        iv. https://www.geeksforgeeks.org/iterative-depth-first-traversal/
        v. https://www.geeksforgeeks.org/find-paths-given-source-destination/
        vi. https://www.geeksforgeeks.org/stepping-numbers/
        vii. https://www.geeksforgeeks.org/maximum-product-of-two-non-intersecting-paths-in-a-tree/
    b. Question on bfs
        i. https://www.techiedelight.com/breadth-first-search/
        ii. https://www.techiedelight.com/find-minimum-passes-required-convert-negative-values-matrix/
        iii. https://www.techiedelight.com/find-shortest-distance-every-cell-landmine-maze/
        iv. https://www.techiedelight.com/count-the-number-of-islands/
        v. https://www.techiedelight.com/find-shortest-safe-route-field-sensors-present/
        vi. https://www.techiedelight.com/lee-algorithm-shortest-path-in-a-maze/
        vii. https://www.techiedelight.com/chess-knight-problem-find-shortest-path-source-destination/
        viii. https://www.geeksforgeeks.org/minimum-time-required-to-fill-given-n-slots/
3. Minimum Spanning Tree
   https://www.hackerearth.com/practice/algorithms/graphs/minimum-spanning-tree/tutorial/
    a. Kruskal's Algorithm- https://www.geeksforgeeks.org/kruskals-algorithm-simple-implementation-for-adjacency-matrix/
    b. Prim's Algorithm https://www.geeksforgeeks.org/prims-minimum-spanning-tree-mst-greedy-algo-5/
4. Topological sort
   https://www.hackerearth.com/practice/algorithms/graphs/topological-sort/tutorial/
   https://www.geeksforgeeks.org/topological-sorting/#:~:text=Topological%20sorting%20for%20Directed%20Acyclic,before%20v%20in%20the%20ordering.&text=For%20example%2C%20another%20topological%20sorting,5%202%203%201%200%E2%80%9D.
5. Shortest path Algorithm
   https://www.hackerearth.com/practice/algorithms/graphs/shortest-path-algorithms/tutorial/
    a. Bellman Ford's Algorithm: https://www.geeksforgeeks.org/bellman-ford-algorithm-dp-23/
    b. Dijkstra's Algo **:** https://www.geeksforgeeks.org/dijkstras-shortest-path-algorithm-greedy-algo-7/

6. Flood Fill Algorithm : https://www.hackerearth.com/practice/algorithms/graphs/flood-fill-algorithm/tutorial/
https://www.geeksforgeeks.org/flood-fill-algorithm-implement-fill-paint/

“Don’t practice until you get it right. Practice until you can’t get it wrong “

“Keep Calm and keep coding”

ALL THE BEST