1. Breadth First Search or BFS for a Graph
2. Applications of Breadth First Traversal
3. Depth First Search or DFS for a Graph
4. Application of DFS
5. Find if there is a path between two vertices in a directed graph
6. Detect Cycle in a Directed Graph
7. Detect cycle in an undirected graph
8. (Dijkstra's shortest path algorithm)
9. (Dijkstra's Algorithm for Adjacency List Representation)
10. (Bellman–Ford Algorithm)
11. (Floyd Warshall Algorithm)
12. (Kruskal's Minimum Spanning Tree Algorithm)
13. Prim's Minimum Spanning Tree (MST))
14. (Prim's MST for Adjacency List Representation)
15. Shortest Path in Directed Acyclic Graph
16. Topological Sorting
17. All topological sorts of a Directed Acyclic Graph
18. Find a mother vertex in a graph
19. Kahn's algorithm for Topological Sorting
20. Travelling Salesman Problem | Set 1 (Naive and Dynamic Programming)
21. Traveling Salesman Problem | Set 2 (Approximate using MST)
22. Find the number of islands | Set 1 (Using DFS)
23. Find length of the largest region in Boolean Matrix
24. Find whether there is path between two cells in matrix
25. Check whether a given graph is Bipartite or not
26. Euler Circuit in a Directed Graph
27. Snake and Ladder Problem
28. Hungarian Algorithm for Assignment Problem | Set 1 (Introduction)
29. Print all Jumping Numbers smaller than or equal to a given value
30. Minimum steps to reach target by a Knight | Set 1
31. Longest path between any pair of vertices
32. Stepping Number
33. Maximum product of two non- intersecting paths in a tree