Top-20 Training Program
(Graph Problems-I)

Apply the solution building strategies discussed in class to solve following problems.

Group1: Graph Traversal
Number of Connected Components: https://leetcode.com/problems/number-of-connected-components-in-an-undirected-graph

Friend Circles: https://leetcode.com/problems/friend-circles/

Route between Nodes: https://www.lintcode.com/problem/route-between-two-nodes-in-graph/description

Simple Parser: https://www.lintcode.com/problem/parser/description

Bipartite or Not: https://www.lintcode.com/problem/is-graph-bipartite/

Movie Network: https://www.lintcode.com/problem/movie-network/

Alien Dictionary: https://leetcode.com/problems/alien-dictionary/

Itenary Reconst: https://www.lintcode.com/problem/reconstruct-itinerary/description

Minimum Height Trees: https://www.lintcode.com/problem/minimum-height-trees/description

Account Merging: https://leetcode.com/problems/accounts-merge/

Group2: Dynamic Connectivity
Connecting Graphs-I: https://www.lintcode.com/en/problem/connecting-graph/

Connecting Graphs-II: https://www.lintcode.com/en/problem/connecting-graph-ii/

Connecting Graphs-III: https://www.lintcode.com/en/problem/connecting-graph-iii/

Graph Valid Tree: https://www.lintcode.com/problem/graph-valid-tree/description

Redundant Connection: https://www.lintcode.com/problem/redundant-connection/description

Maximum Association Set: https://www.lintcode.com/problem/maximum-association-set/

Weak Connectedness in Di-graph: https://www.lintcode.com/problem/find-the-weak-connected-component-in-the-directed-graph/

Couples Holding Hands: https://leetcode.com/problems/couples-holding-hands/

Group3: Grid problems
Number of Islands: https://leetcode.com/problems/number-of-islands/

Number of Islands-II: https://www.lintcode.com/problem/number-of-islands-ii/description

Island City: https://www.lintcode.com/problem/island-city/

Top-20 Training Program
(Graph Problems-I)

Number of Big Islands: https://www.lintcode.com/problem/number-of-big-islands/description
Max Area Island: https://leetcode.com/problems/max-area-of-island/
Island Parameter: https://leetcode.com/problems/island-perimeter/
Number of Distinct Islands: https://www.lintcode.com/problem/number-of-distinct-islands/description
Number of Distinct Islands-II: https://www.lintcode.com/problem/number-of-distinct-islands-ii/description
Word Search: https://leetcode.com/problems/word-search/description/
Word Search-II: https://leetcode.com/problems/word-search-ii/description/
Walls and Gates: https://www.lintcode.com/problem/walls-and-gates/description
Portal: https://www.lintcode.com/problem/portal/description
Surrounded Regions: https://leetcode.com/problems/surrounded-regions/
Flood Fill: https://leetcode.com/problems/flood-fill/
Coloring a Border: https://leetcode.com/problems/coloring-a-border/
Pacific Atlantic Water Flow: https://www.lintcode.com/problem/pacific-atlantic-water-flow/description

Group4: DAG
Topological Order: https://www.lintcode.com/problem/topological-sorting/description
Course Schedule-I: https://leetcode.com/problems/course-schedule/
Course Schedule-II: https://leetcode.com/problems/course-schedule-ii/
All Paths in DAG: https://leetcode.com/problems/all-paths-from-source-to-target/