Lab Assignment - 5

Q12. Write a program to implement concept of hashing. Design a menu based interface to call different functions for collision handling techniques.

Implement the following problems for Graphs

Q13. Write a program to find approachable nodes from a given source of a given graph using queue as an intermediate data structure (BFS).

Q14. Write a program to traverse various nodes of a given graph using stack as an intermediate data structure (DFS).

Q15. Write a program to find shortest path from a given source to all the approachable nodes (Single source shortest path Dijkstra's algorithm).

Q16. Write a program to find shortest path between all the source destination pairs (All pairs shortest path Floyd's algorithm.

Q17. Write a program to arrange all the nodes of a given graph (Topological sort).

Q18. Write a program to find Minimal spanning tree of a graph using Kruskal's algorithm.

Q19. Write a program to find Minimal spanning tree of a graph using Prim's algorithm.