**LAB Experiments**

* Implement the activity selection problem to get a clear understanding of greedy approach.
* Get a detailed insight of dynamic programming approach by the implementation of Matrix Chain Multiplication problem and see the impact of parenthesis positioning on time requirements for matrix multiplication.
* Compare the performance of Dijkstra and Bellman ford algorithm for the single source shortest path problem.
* Through 0/1 Knapsack problem, analyze the greedy and dynamic programming approach for the same dataset.
* Implement the sum of subset and N Queen problem.
* Compare the Backtracking and Branch & Bound Approach by the implementation of 0/1 Knapsack problem. Also compare the performance with dynamic programming approach.