List of Experiments

1. **WAP to implement DFS and BFS for traversing a graph from source node (S) to goal node (G), where source node and goal node is given by the user as an input.**
2. **Water Jug Problem Solver using BFS/DFS:**
   You are given two jugs with m liters and a n liter capacity. Both the jugs are initially empty. The jugs don't have markings to allow measuring smaller quantities. You have to use the jugs to measure d liters of water where d is less than n.
3. **Solve 8 puzzle problems using BFS or DFS where initial state, goal state and name of the method will be given by the users.**
4. **Solve 8 puzzle problem using A* algorithm where initial state and Goal state will be given by the users.**
5. **WAP to design Tic Tac Toe games from O (Opponent) and X (Player) by using minimax algorithm.**
6. WAP to implement AND logic Gate using perceptron neural network.
7. Design Deep learning model for the house price prediction. To train models, download the Dataset from MS team along with the description
8. Design a Deep Learning model for the Heart Attack prediction. Download the Dataset from MS team along with the description
9. Design a Convolutional Neural Network from Scratch for MNIST fashion dataset. Apply dropout technique to deal with the overfitting. Dataset can be downloaded from the Kaggle.
10. Design Covid detection model by using any pre-trained model. Dataset can be downloaded from the Kaggle. Deploy this model into the cloud.
11. Study of Prolog programming and its function.
12. WAP to calculate the factorial of a number by using Prolog.
13. WAP to solve Box Solver problem, which is given in the attached file
14. WAP to find the length of the list using Prolog.
15. Write a program to solve the Monkey Banana problem.
16. Course Project