Frontend Development- Week6

Week 6

▼ CP Question-

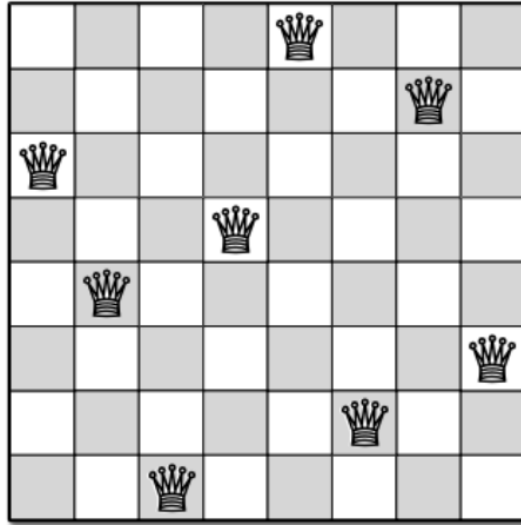### Question- N Queen Problem | Return all Distinct Solutions to the N-Queens Puzzle

The n-queens is the problem of placing n queens on n × n chessboard such that no two queens can attack each other. Given an integer n, return all distinct solutions to the n -queens puzzle. Each solution contains a distinct boards configuration of the queen's placement, where 'Q' and '.' indicate queen and empty space respectively.

Examples: Input: n = 4

Output: [[".Q..","...Q","Q...","..Q."],["..Q.","Q...","...Q",".Q.."]]

Explanation: There exist two distinct solutions to the 4-queens puzzle as shown below

▼ Coding Challenge-

- Validate a password based on length.

- Build a simple calendar application where users can add, edit, and delete events.

- Design a system that recommends movies based on user preferences and ratings.

Plus++   Submit Project #2 (Mandatory)

▼ Bonus-

- Create a virtual pet that users can interact with, feed, and care for. Include animations and a scoring system for pet care.

- Create a web app that uses voice recognition to control its features and navigation, integrating with APIs like Web Speech API.