Design- Week6

Week 6

▼ CP Question-

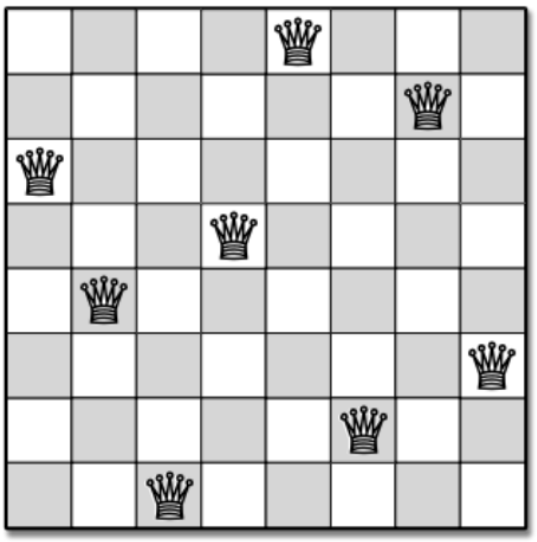
Question- N Queen Problem | Return all Distinct Solutions to the N-Queens Puzzle

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 designs for augmented reality experiences, including overlays, animations, and interactive elements for AR applications.
- Create an interactive digital storybook for children with animations, sound effects, and engaging visuals.