Design- Week3

Week 3

▼ CP Question-

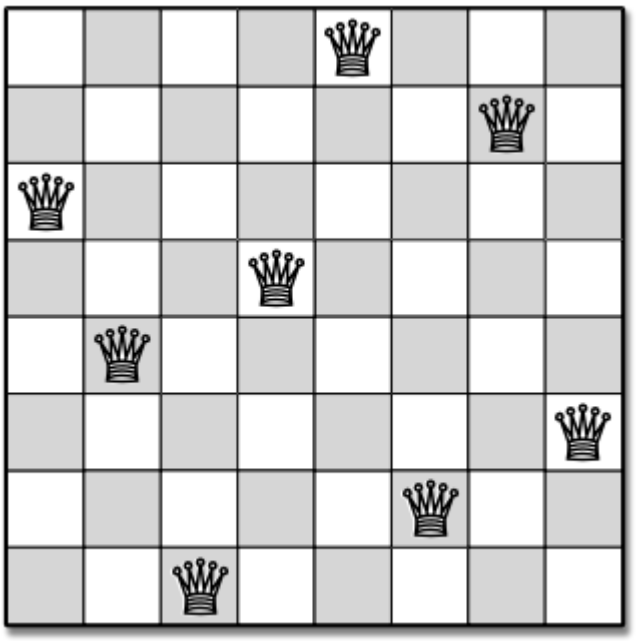
Question- N Queen Problem | Return all Distinct Solutions to the N-Queens Puzzle

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-

- Find the smallest element in a list.
- Write a program that converts units (e.g., length, weight, temperature) between different measurement systems.
- Develop a system to manage a library's catalog, including adding books, checking out books, and returning books.