```
AI record.py - C:/Users/DELL/AI record.py (3.11.9)
                                                                             IDLE Shell 3.11.9
                                                                                                                                                              File Edit Format Run Options Window Help
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import copy
                                                                                Python 3.11.9 (tags/v3.11.9:de54cf5, Apr 2 2024, 10:12:12) [MSC v.1938 64 bit (
                                                                                AMD64)1 on win32
N = 8
                                                                                Type "help", "copyright", "credits" or "license()" for more information.
                                                                            |>>>
def printSolution(board):
                                                                                = RESTART: C:/Users/DELL/AI record.py
    for row in board:
                                                                                0 . . . . . . .
        for i in range(N):
                                                                                . . . . . . . . .
            print("Q" if row[i] else ".", end=" ")
                                                                                . . . . . . . Q
        print()
                                                                                . . . . . Q . .
    print()
                                                                                . . Q . . . . .
                                                                                def isSafe(board, row, col):
                                                                                . Q . . . . . .
    for i in range(row):
                                                                                . . . Q . . . .
        if board[i][col]:
            return False
                                                                            >>>
    for i, j in zip(range(row - 1, -1, -1), range(col - 1, -1, -1)):
        if board[i][i]:
            return False
    for i, j in zip(range(row - 1, -1, -1), range(col + 1, N)):
        if board[i][j]:
            return False
    return True
def solve(board, row):
    if row == N:
        printSolution (board)
        return True # Stop after finding the first solution
    for col in range(N):
        if isSafe(board, row, col):
            board[row][col] = 1
            if solve(board, row + 1):
                return True
            board[row][col] = 0
    return False
def eightQueens():
    board = [[0 for _ in range(N)] for _ in range(N)]
    solve (board, 0)
eightQueens()
```