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TITLE: Write the python program to solve 8-Queen problem
CODE:
def is_safe(board, row, col):
  # Check this row on left side
  for i in range(col):
    if board[row][i] == 1:
       return False
  # Check upper diagonal on left side
  for i, j in zip(range(row, -1, -1), range(col, -1, -1)):
    if board[i][j] == 1:
       return False
  # Check lower diagonal on left side
  for i, j in zip(range(row, len(board)), range(col, -1, -1)):
    if board[i][j] == 1:
       return False
  return True
def solve_queens(board, col):
  if col >= len(board):
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## return True

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for i in range(len(board)):
    if is safe(board, i, col):
       board[i][col] = 1
       if solve_queens(board, col + 1):
         return True
       board[i][col] = 0
  return False
def print solution(board):
  for row in board:
    print(" ".join(map(str, row)))
def solve_8queens():
  # Create an 8x8 chessboard initialized with zeros
  board = [[0] * 8 for _ in range(8)]
  if not solve_queens(board, 0):
```