main.py

```python
def is_safe(board, row, col):
    for i in range(row):
        if board[i] == col:
            return False
    for i, j in zip(range(row - 1, -1, -1), range(col - 1, -1, -1)):
        if board[i] == j:
            return False
    for i, j in zip(range(row - 1, -1, -1), range(col + 1, 8)):
        if board[i] == j:
            return False
    return True
def solve_queens(board, row):
    if row == 8:
        return True
    for col in range(8):
        if is_safe(board, row, col):
            board[row] = col
```

```
Solution Found:

Q . . . . . . .
. . . . Q . . .
. . . . . . . Q
. . . . . Q . .
. . Q . . . . .
. . . . . . Q .
. Q . . . . . .
. . . Q . . . .


=== Code Execution Successful ===
```

```
            if solve_queens(board, row + 1):
                return True
            board[row] = -1
    return False
def print_board(board):
    for row in range(8):
        line = ""
        for col in range(8):
            if board[row] == col:
                line += " Q "
            else:
                line += " . "
        print(line)
    print()
board = [-1] * 8
if solve_queens(board, 0):
    print("Solution Found:\n")
```