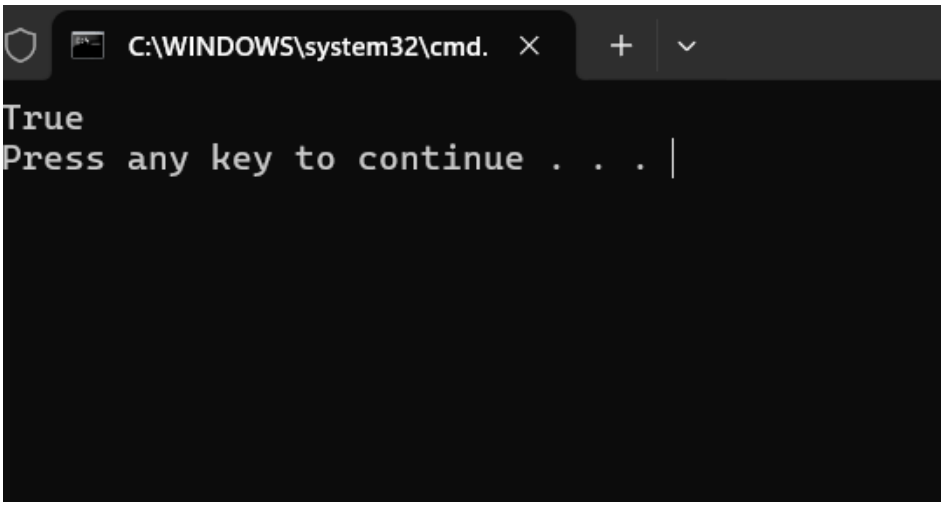
64) **Determine if a `9 x 9` Sudoku board is valid. Only the filled cells need to be validated according to the following rules:**

CODE:

```
def isValidSudoku(board):
    rows = [set() for _ in range(9)]
    columns = [set() for _ in range(9)]
    boxes = [set() for _ in range(9)]

    for i in range(9):
        for j in range(9):
            if board[i][j] != '.':
                num = board[i][j]
                box_index = (i // 3) * 3 + (j // 3)

                if num in rows[i] or num in columns[j] or num in boxes[box_index]:
                    return False

                rows[i].add(num)
                columns[j].add(num)
                boxes[box_index].add(num)

    return True

board = [
    ["5","3",".",".","7",".",".",".","."]
   ,["6",".",".","1","9","5",".",".","."]
   ,[".","9","8",".",".",".",".","6","."]
   ,["8",".",".",".","6",".",".",".","3"]
   ,["4",".",".","8",".","3",".",".","1"]
   ,["7",".",".",".","2",".",".",".","6"]
   ,[".","6",".",".",".",".","2","8","."]
   ,[".",".",".","4","1","9",".",".","5"]
   ,[".",".",".",".","8",".",".","7","9"]
]
print(isValidSudoku(board))
```

OUTPUT:



TIME COMPLEXITY : o(n)