**CODE**

import json

def isattack(board,r,c):

for i in range(r):

if(board[i][c]==1):

return True

i=r-1

j=c-1

while((i>=0) and (j>=0)):

if(board[i][j]==1):

return True

i=i-1

j=j-1

i=r-1

j=c+1

while((i>=0) and (j<8)):

if(board[i][j]==1):

return True

i=i-1

j=j+1

return False

def solve(board,row):

i=0

while(i<8):

if(not isattack(board, row, i)):

board[row][i]=1

if(row==7):

return True

else:

if(solve(board, row+1)):

return True

else:

board[row][i]=0

i=i+1

if(i==8):

return False

def printboard(board):

for i in range(8):

for j in range(8):

print str(board[i][j])+" ",

print "\n"

def run(filename):

board = [[0 for x in range(8)] for x in range(8)]

if \_\_name\_\_ == '\_\_main\_\_':

data=[]

with open('input.json') as f:

data=json.load(f)

if(data["start"]<0 or data["start"]>7):

print "Invalid JSON input"

exit()

board[0][data["start"]]=1

if(solve(board, 1)):

print "Queens problem solved!!!"

print "Board Configuration:"

printboard(board)

else:

print "Queens problem not solved!!!"

run('input.json')