Bushra dajam

Lab5

2110054

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                                                                                                                                                                                    Language Python 3 V (1) 🔅
∮ OnlineGDB <sup>beta</sup>
                                                      numpy
copy
                                             My Projects
        nming Questions
                                            grid=np.zeros([N,N], dtype=int)
grid=grid.tolist()
       + 1.6K
                                             def possible(grid,y,x): #is it possibl e to place a queen into y, x?
                                                  l=len(grid) #how big is our grid?

for i in range(1): #check for queens on row y

if grid[y][i]==1: #if exist return false
    return False

for i in range(1): #check for queens on column x

if grid[i][x]==1: #if exists return o
    return False

for i in range(1): #Loop through all rows

for j in range(1): #and columns

if grid[i][j]==1: #if there is a queen
    if abs (i - y) == abs (j - x): #and if there is another on a diagonal
    return True #if every check clears, we can return true
   GOT AN OPINION?
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                                     Language Python 3 V 🚺 😲
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                                       17 def possible(grid,y,x): #is it possibl e to place a queen into y, x?
                                                 IDE
   ogramming Questions
       + 1.6K
                                       32 return True #i
33 34-def solve(grid):
35 1=len(grid)
36 1=len(grid)
37 grid[7][6]-1
38- for y in range
39- for x in r
40- 1f gri
41- 42
43
44
45- 46
                                                              GOT AN OPINION?
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                                                   return grid
                                            Solution = solve(copy.despcopy(grid)) #get the solution print(np.matrix(Solution)) #Print the solution
```

Output:

