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|  | **DAILY ONLINE ACTIVITIES SUMMARY**   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Date:** | **19/06/2020** | | | | | **Name:** | **Albin Francis** | | | **Sem & Sec** | **8th sem,A** | | | | | **USN:** | **4AL16CS008** | | | **Online Test Summary** | | | | | | | | | | **Subject** | | **BDA** | | | | | | | | **Max. Marks** | | **30** | | **Score** | | | **24** | | | **Certification Course Summary** | | | | | | | | | | **Course** | **INTRODUCTION TO FULL STACK DEVELOPMENT** | | | | | | | | | **Certificate Provider** | | | **Great Learning**  **Academy** | | **Duration** | | | **8hr** | | **Coding Challenges** | | | | | | | | | | **Problem Statement:** **Python program to rotate a matrix by 90 degrees.** | | | | | | | | | | **Status: Solved** | | | | | | | | | | **Uploaded the report in Github** | | | | | **Yes** | | | | | **If yes Repository name** | | | | | **albinfrancis008** | | | | | **Uploaded the report in slack** | | | | | **Yes** | | | |   Online Test Details: (Attach the snapshot and briefly write the report for the same)  BDA19.PNG  Certification Course Details: (Attach the snapshot and briefly write the report for the same  Screenshot (42).png  Coding Challenges Details: (Attach the snapshot and briefly write the report for the same) |
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# Python program to rotate a matrix by 90 degrees

N = 4

def rotateMatrix(mat):

for x in range(0, int(N / 2)):

for y in range(x, N-x-1):

temp = mat[x][y]

mat[x][y] = mat[y][N-1-x]

mat[y][N-1-x] = mat[N-1-x][N-1-y]

mat[N-1-x][N-1-y] = mat[N-1-y][x]

mat[N-1-y][x] = temp

def displayMatrix( mat ):

for i in range(0, N):

for j in range(0, N):

print (mat[i][j], end = ' ')

print ("")

mat = [[0 for x in range(N)] for y in range(N)]

mat = [ [1, 2, 3, 4 ],

[5, 6, 7, 8 ],

[9, 10, 11, 12 ],

[13, 14, 15, 16 ] ]

'''

mat = [ [1, 2, 3 ],

[4, 5, 6 ],

[7, 8, 9 ] ]

# Test case 3

mat = [ [1, 2 ],

[4, 5 ] ]

'''

rotateMatrix(mat)

displayMatrix(mat)