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|  | **DAILY ONLINE ACTIVITIES SUMMARY**   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Date:** | **20/06/2020** | | | | | **Name:** | **Albin Francis** | | | **Sem & Sec** | **8th sem,A** | | | | | **USN:** | **4AL16CS008** | | | **Online Test Summary** | | | | | | | | | | **Subject** | | **-** | | | | | | | | **Max. Marks** | | **-** | | **Score** | | | **-** | | | **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)  Certification Course Details: (Attach the snapshot and briefly write the report for the same  Screenshot (43).png  Coding Challenges Details: (Attach the snapshot and briefly write the report for the same) |
|  |  |

# Python program to rotate a matrix by 90 degrees

M = 3

N = 3

matrix = [[12, 23, 34],

[45, 56, 67],

[78, 89, 91]]

def rotateMatrix(k) :

global M, N, matrix

temp = [0] \* M

k = k % M

for i in range(0, N) :

for t in range(0, M -k) :

temp[t] = matrix[i][t]

for j in range(M -k, M) :

matrix[i][j -M + k] = matrix[i][j]

for j in range(k, M) :

matrix[i][j] = temp[j -k]

def displayMatrix() :

global M, N, matrix

for i in range(0, N) :

for j in range(0, M) :

print ("{} " . format(matrix[i][j]), end = "")

print ()

k = 2

rotateMatrix(k)

displayMatrix()