DAILY ONLINE ACTIVITIES SUMMARY

Date:	**20/06/2020**	**Name:**	**Prathiksha**
Sem & Sec	**8th sem & B sec**	**USN:**	**4AL16CS070**

Online Test Summary

Subject	-		
Max. Marks	-	**Score**	-

Certification Course Summary

Course	Introduction to Amazon Elastic Compute Cloud (EC2).		
Certificate Provider	**AWS**	**Duration**	**10 min**

Coding Challenges

Problem Statement:

1. Python program to rotate a matrix right by k times.

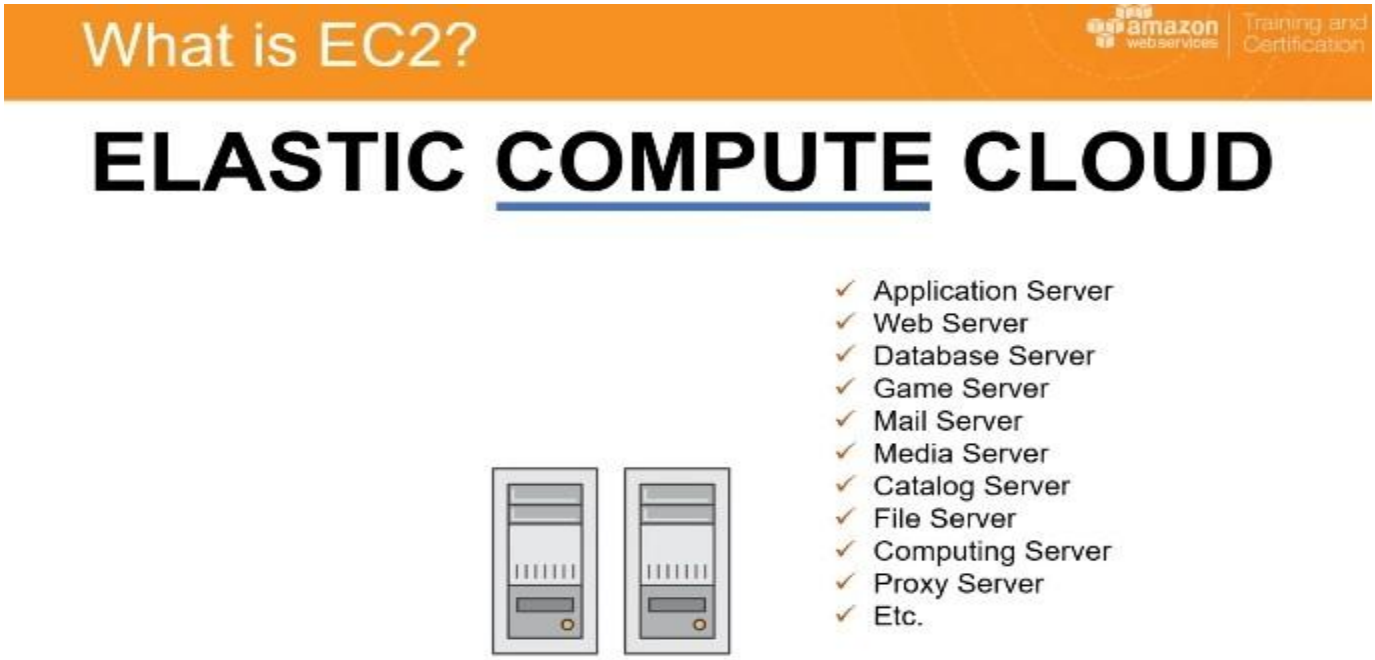
Status: **Solved**

Uploaded the report in Github	**Yes**
If yes Repository name	**Prathiksha**
Uploaded the report in slack	**Yes**

Online Test Details:

No test conducted.

Certification Course Details:



Topic: Introduction to Amazon Elastic Compute Cloud (EC2).

Coding Challenges Details:

Program 1:

```
M = 3
N = 3
matrix = [[12, 23, 34],
          [45, 56, 67],
          [78, 89, 91]]

# function to rotate
# matrix by k times
def rotateMatrix(k) :

    global M, N, matrix

    # temporary array
    # of size M
    temp = [0] * M

    # within the size
    # of matrix
    k = k % M

    for i in range(0, N) :

        # copy first M-k elements
        # to temporary array
        for t in range(0, M - k) :
            temp[t] = matrix[i][t]

        # copy the elements from
        # k to end to starting
        for j in range(M - k, M) :
            matrix[i][j - M + k] = matrix[i][j]

        # copy elements from
        # temporary array to end
        for j in range(k, M) :
            matrix[i][j] = temp[j - k]

# function to display
# the matrix
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 ()

# Driver code
k = 2

# rotate matrix by k
rotateMatrix(k)

# display rotated matrix
displayMatrix()
```