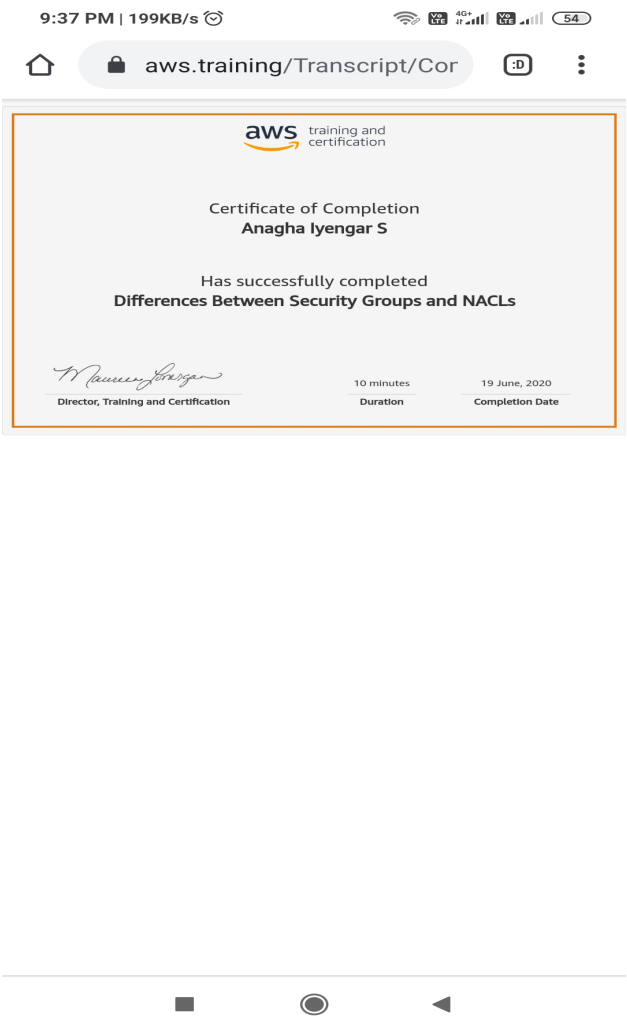
DAILY ONLINE ACTIVITIES SUMMARY

Date:	19/06/2020	Name:	Anagha Iyengar S
Sem & Sec	8th sem,A	USN:	4AL16CS011
Online Test Summary			
Subject	BDA		
Max. Marks	30	Score	22
Certification Course Summary			
Course	Difference between security groups and NACLs		
Certificate Provider	AWS	Duration	30minutes
Coding Challenges			
Problem Statement: 1. Python3 program to rotate a matrix by 90 degrees.			
Status: Solved			
Uploaded the report in Github	Yes		
If yes Repository name	anaghaiyengar		
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



Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)

Python3 program to rotate a matrix by 90 degrees.

N = 4

def rotateMatrix(mat):

```
    # Consider all squares one by one
    for x in range(0, int(N / 2)):

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

            # store current cell in temp variable
            temp = mat[x][y]

            # move values from right to top
            mat[x][y] = mat[y][N-1-x]

            # move values from bottom to right
            mat[y][N-1-x] = mat[N-1-x][N-1-y]

            # move values from left to bottom
            mat[N-1-x][N-1-y] = mat[N-1-y][x]

            # assign temp to left
            mat[N-1-y][x] = temp



# Function to print the matrix
def displayMatrix( mat ):
```

```
 for i in range(0, N):

 for j in range(0, N):

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

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

# Test case 1
mat = [ [1, 2, 3, 4 ],
 [5, 6, 7, 8 ],
 [9, 10, 11, 12 ],
 [13, 14, 15, 16 ] ]

'''
# Test case 2
mat = [ [1, 2, 3 ],
 [4, 5, 6 ],
[7, 8, 9 ] ]

# Test case 3
mat = [ [1, 2 ],
 [4, 5 ] ]
```

'''

rotateMatrix(mat)

Print rotated matrix

displayMatrix(mat)