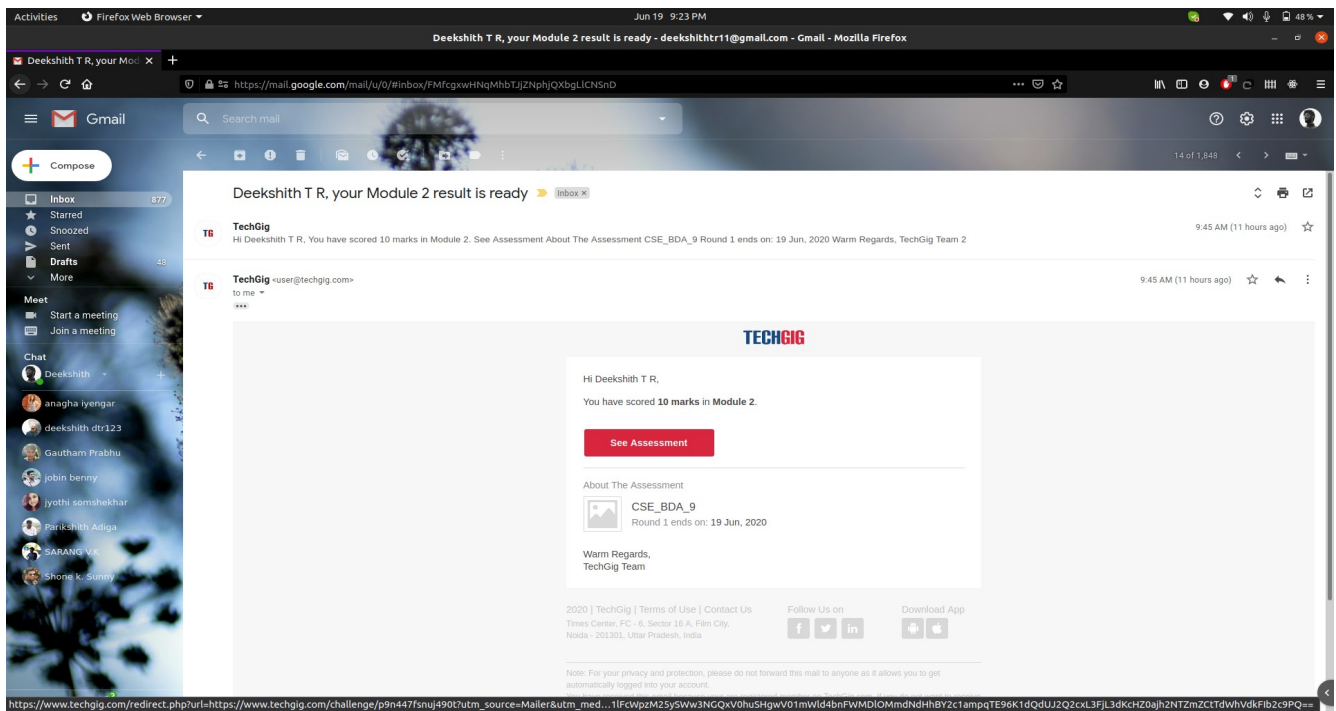


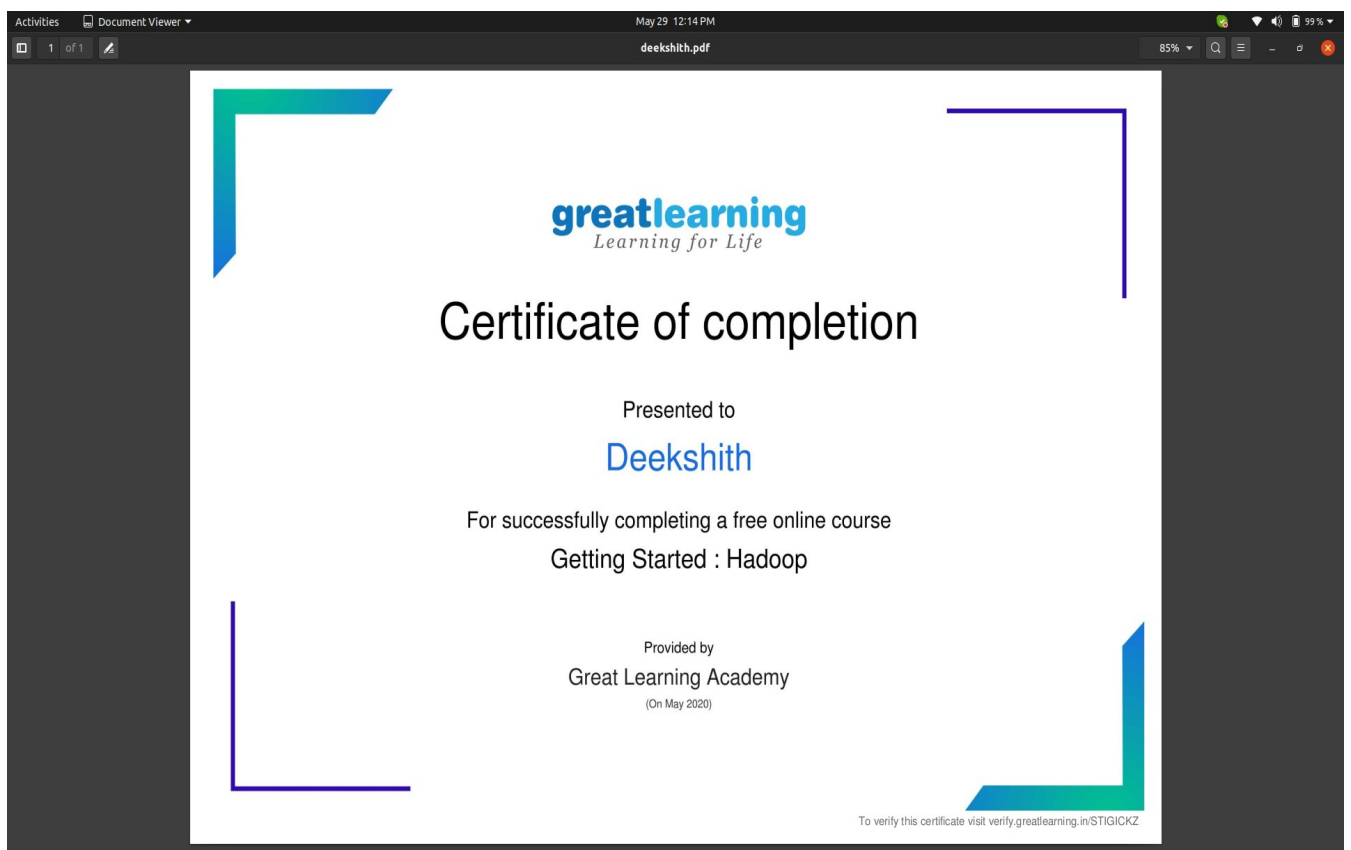
DAILY ONLINE ACTIVITIES SUMMARY

Date:	18/06/2020	Name:	Deekshith T R
Sem & Sec	8 th A	USN:	4AL16CS027
Online Test Summary			
Subject	BDA		
Max. Marks	30	Score	10
Certification Course Summary			
Course	Getting started Hadoop		
Certificate Provider	GreatLearning	Duration	5.5hr
Coding Challenges			
Problem Statement: Write a C Program to rotate a Matrix by 90 Degree in Clockwise or Anticlockwise Direction.			
Status: Completed			
Uploaded the report in Github		yes	
If yes Repository name		Deekshithtr_16cs027	
Uploaded the report in slack		yes	

online test marks:



Certification Course Details:



Coding Challenges Details:

program1:

// C++ implementation of above approach

#include <stdio.h>

#define N 4

void rotate90Clockwise(int a[N][N])

{

for (int i = 0; i < N / 2; i++) {

for (int j = i; j < N - i - 1; j++) {

int temp = a[i][j];

a[i][j] = a[N - 1 - j][i];

a[N - 1 - j][i] = a[N - 1 - i][N - 1 - j];

a[N - 1 - i][N - 1 - j] = a[j][N - 1 - i];

a[j][N - 1 - i] = temp;

}

}

}

void printMatrix(int arr[N][N])

{

for (int i = 0; i < N; i++) {

for (int j = 0; j < N; j++)

```
        printf("%d ",arr[i][j]);

        printf("\n");
    }

}

int main()

{

    int arr[N][N] = { { 1, 2, 3, 4 }, { 5, 6, 7, 8 }, { 9, 10, 11, 12 }, { 13, 14, 15, 16 } };

    rotate90Clockwise(arr);

    printMatrix(arr);

    return 0;

}
```