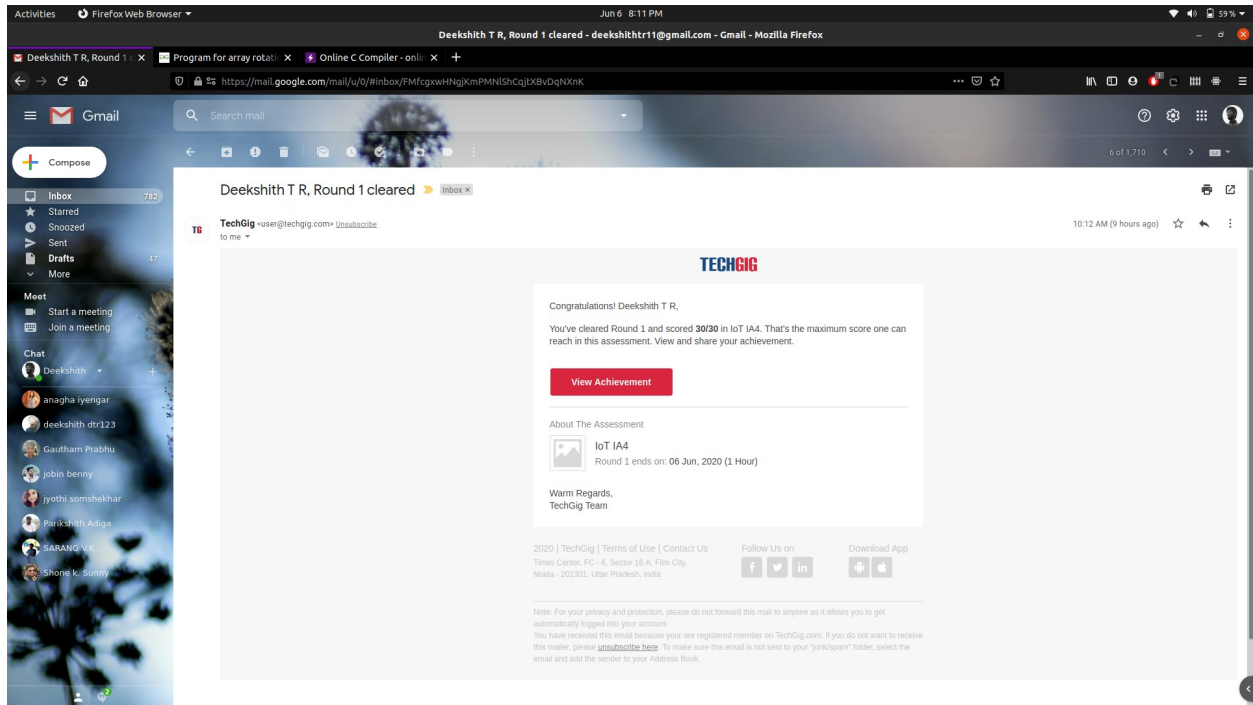


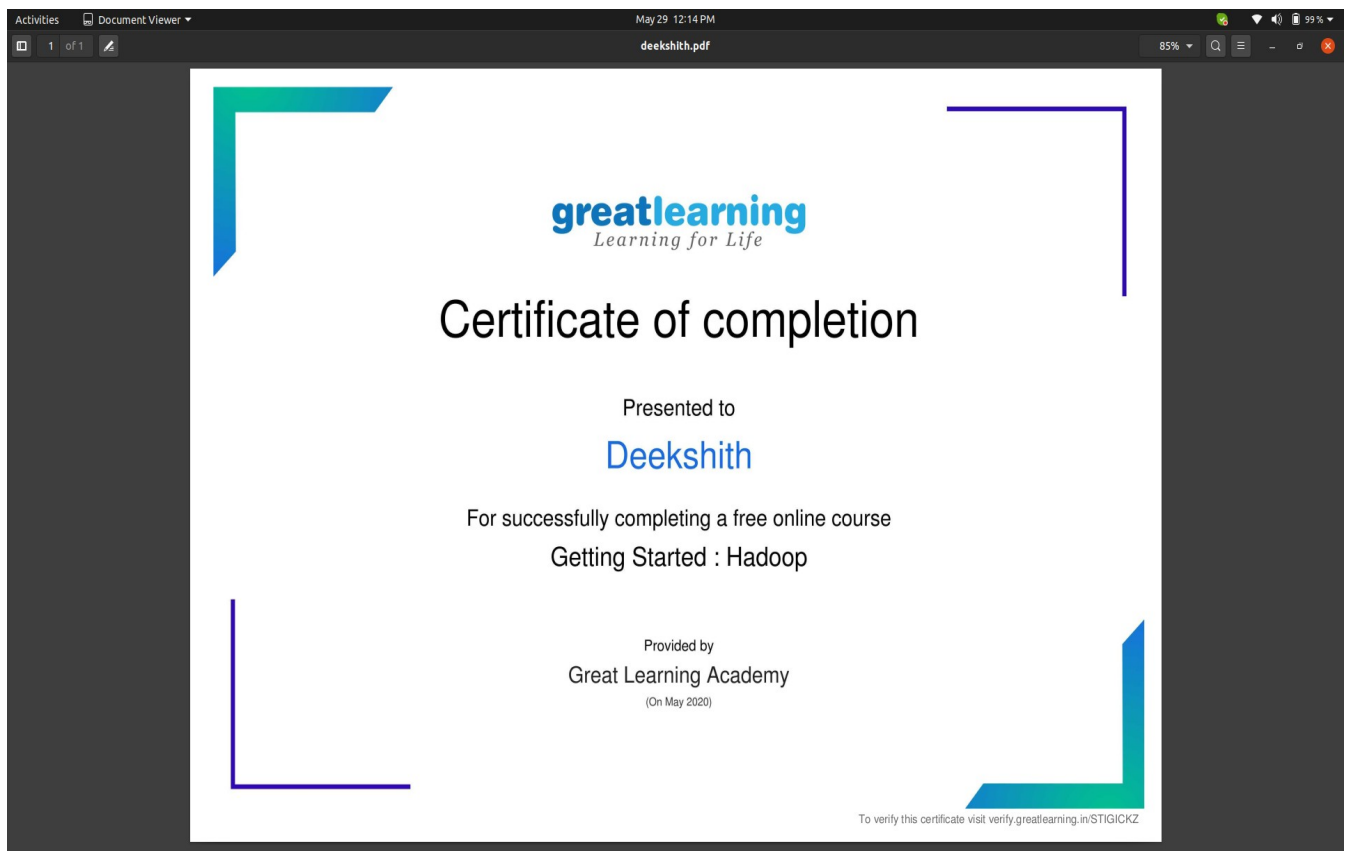
DAILY ONLINE ACTIVITIES SUMMARY

Date:	06/06/2020	Name:	Deekshith T R
Sem & Sec	8 th A	USN:	4AL16CS027
Online Test Summary			
Subject	IOT		
Max. Marks	30	Score	30
Certification Course Summary			
Course	Getting started Hadoop		
Certificate Provider	GreatLearning	Duration	5.5hr
Coding Challenges			
Problem Statement: Write a program in C to rotate an array by N positions.			
Status: Completed			
Uploaded the report in Github		yes	
If yes Repository name		Deekshithtr_16cs027	
Uploaded the report in slack		yes	

Online Test Details:



Certification Course Details:



Coding Challenges Details:

program1:

```
#include <stdio.h>

void printArray(int arr[], int size);

int gcd(int a, int b);

void leftRotate(int arr[], int d, int n)
{
    int i, j, k, temp;

    d = d % n;

    int g_c_d = gcd(d, n);

    for (i = 0; i < g_c_d; i++) {
        temp = arr[i];

        j = i;

        while (1) {
            k = j + d;

            if (k >= n)
                k = k - n;

            if (k == i)
                break;

            arr[j] = arr[k];

            j = k;
        }

        arr[j] = temp;
    }
}
```

```

}

void printArray(int arr[], int n)
{
    int i;

    printf("After rotating from 4th position the array is :\n");

    for (i = 0; i < n; i++)
        printf("%d ", arr[i]);
}

int gcd(int a, int b)
{
    if (b == 0)
        return a;

    else
        return gcd(b, a % b);
}

int main()
{
    int arr[] = {0 ,3 ,6 ,9 ,12 ,14 ,18 ,20 ,22 ,25 ,27};

    int n;

    printf("Enter the Position N from where you want to rotate : ");

    scanf("%d",&n);

    leftRotate(arr, n, 11);

    printArray(arr, 11);

    getchar();
}

```

```
return 0;
```

```
}
```