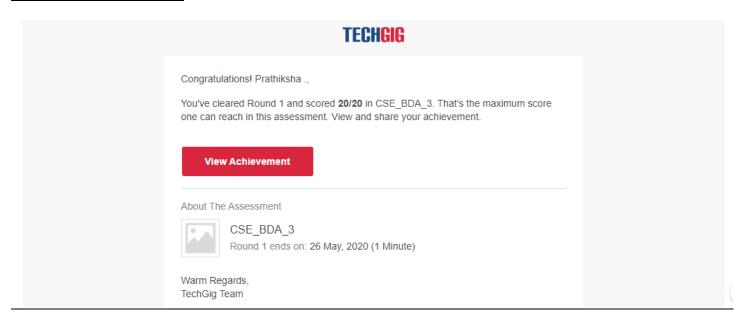
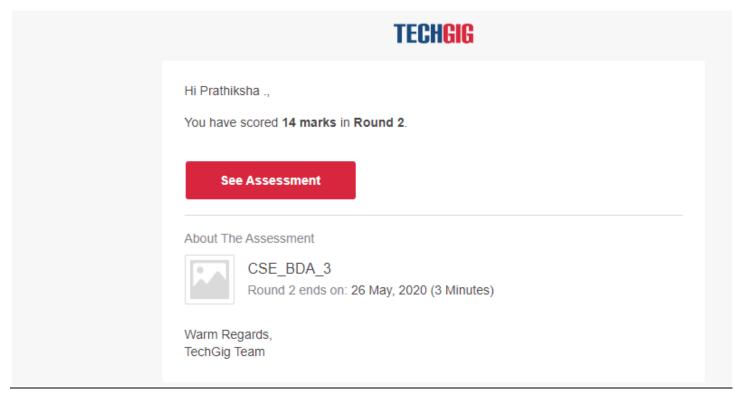
# **DAILY ONLINE ACTIVITIES SUMMARY**

Date:	26/05/202	26/05/2020		Prathiksha		
Sem & Sec	8 <sup>th</sup> sem & B sec		USN:	4AL16CS070		
Online Test Summary						
Subject Big Data Analytics(BDA)						
Max. Marks 40			Score 34			
Certification Course Summary						
Course Introduction To Ethical Hacking						
Certificate Provider		Great Learning Academy	Duration		6hrs	
Coding Challenges						
Problem Statement:  Micro purchased an array A having N integer values. After playing it for a while, he got bored of it and decided to update value of its element. In one second he can increase value of each array element by 1. He wants each array element's value to become greater than or equal to K. Please help Micro to find out the minimum amount of time it will take, for him to do so.						
Status: Solved						
Uploaded the report in Github			Yes			
If yes Repository name			Prathiksha			
Uploaded the report in slack			Yes			

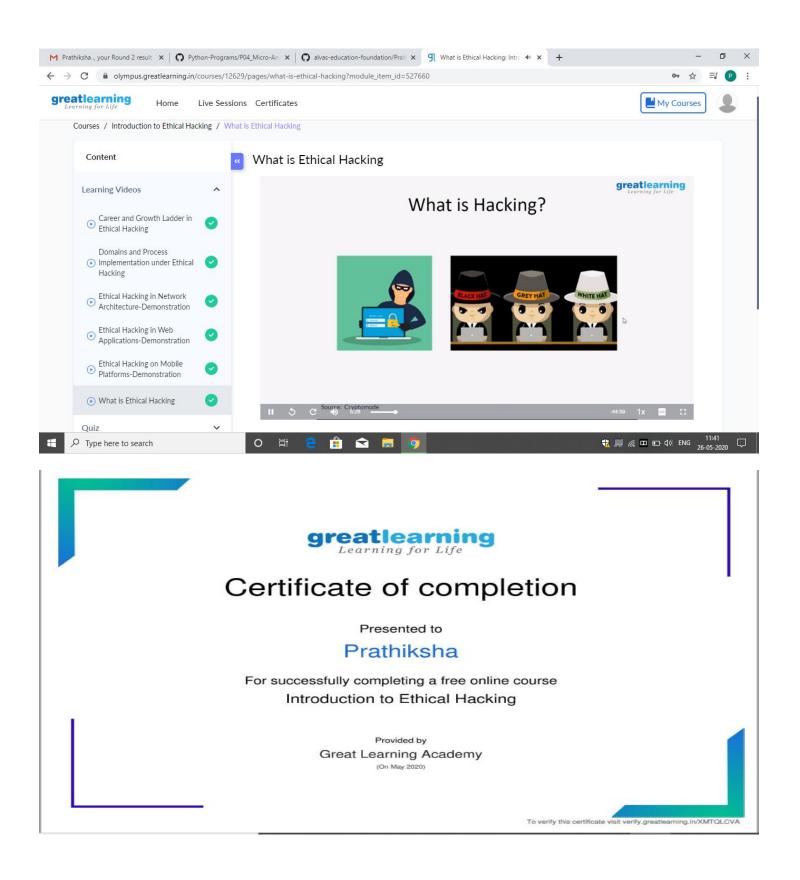
## **Online Test Details:**





Test portion was 4<sup>th</sup> module with problems.

#### **Certification Course Details:**



**Topic:** About Ethical Hacking.

### **Coding Challenges Details:**

## **Program 1:**

```
Input:
```

First line consists of a single integer, T, denoting the number of test cases.

First line of each test case consists of two space separated integers denoting N and K.

Second line of each test case consists of N space separated integers denoting the array A.

#### Output:

For each test case, print the minimum time in which all array elements will become greater than or equal to K. Print a new line after each test case.

Constraints:

```
1 \leq T \leq 5
1 \leq N \leq 105
1 \leq A[i], K \leq 106
test Cases = int(input())
for _ in range(test Cases):
    n, k = map(int, input().split())
    array = input().split()
    array = [int(i) for i in array]
    mini = min(array)
    if int(mini) < k:
        print(k - int(mini))
    else:
        print(0)</pre>
```

#### SAMPLE INPUT

2

3 4

125

3 2 2 5 5

SAMPLE OUTPUT

3

0