

## DAILY ONLINE ACTIVITIES SUMMARY

Date:	26/05/2020	Name:	Prathiksha
Sem & Sec	8 <sup>th</sup> sem & B sec	USN:	4AL16CS070
<b>Online Test Summary</b>			
Subject	Big Data Analytics(BDA)		
Max. Marks	40	Score	34
<b>Certification Course Summary</b>			
Course	Introduction To Ethical Hacking		
Certificate Provider	Great Learning Academy	Duration	6hrs
<b>Coding Challenges</b>			
<b>Problem Statement:</b> 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.			
<b>Status: Solved</b>			
Uploaded the report in Github		Yes	
If yes Repository name		Prathiksha	
Uploaded the report in slack		Yes	

## **Online Test Details:**



Congratulations! Prathiksha .,

You've cleared Round 1 and scored **20/20** in CSE\_BDA\_3. That's the maximum score one can reach in this assessment. View and share your achievement.

[View Achievement](#)

About The Assessment



CSE\_BDA\_3

Round 1 ends on: 26 May, 2020 (1 Minute)

Warm Regards,  
TechGig Team



Hi Prathiksha .,

You have scored **14 marks** in **Round 2**.

[See Assessment](#)

About The Assessment



CSE\_BDA\_3

Round 2 ends on: 26 May, 2020 (3 Minutes)

Warm Regards,  
TechGig Team

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

## Certification Course Details:

Prathiksha , your Round 2 result x Python-Programs/P04\_Micro-An x alvas-education-foundation/Prat x What is Ethical Hacking: Intro x +

olympus.greatlearning.in/courses/12629/pages/what-is-ethical-hacking?module\_item\_id=527660

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Content « What is Ethical Hacking

Learning Videos ^

- Career and Growth Ladder in Ethical Hacking ✓
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- Ethical Hacking in Network Architecture-Demonstration ✓
- Ethical Hacking in Web Applications-Demonstration ✓
- Ethical Hacking on Mobile Platforms-Demonstration ✓
- What is Ethical Hacking ✓

Quiz v

What is Hacking?



Source: Cryptomode 5:20 11:41 26-05-2020

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# Certificate of completion

Presented to  
**Prathiksha**

For successfully completing a free online course  
Introduction to Ethical Hacking

Provided by  
**Great Learning Academy**  
(On May 2020)

To verify this certificate visit [verify.greatlearning.in/XMTQLCVA](https://verify.greatlearning.in/XMTQLCVA)

**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:

$$1 \leq T \leq 5$$

$$1 \leq N \leq 105$$

$$1 \leq A[i], K \leq 106$$

```
testCases = int(input())
```

```
for _ in range(testCases):
```

```
    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)
```

SAMPLE INPUT

2

3 4

1 2 5

3 2

2 5 5

SAMPLE OUTPUT

3

0