

## **DAILY ONLINE ACTIVITIES SUMMARY**

Date:	26-05-2020	Name:	Rakesh M Kotian
Sem & Sec	8 th sec-b	USN:	4al16cs072
<b>Online Test Summary</b>			
Subject	bda		
Max. Marks	40	Score	34
<b>Certification Course Summary</b>			
Course	Python for machine learning		
Certificate Provider	Great learning	Duration	6 hours
<b>Coding Challenges</b>			
Problem Statement:			
Status:solved			
Uploaded the report in Github		yes	
If yes Repository name		Rakeshkotian08	
Uploaded the report in slack		yes	

**Online Test Details: (Attach the snapshot and briefly write the report for the same)**

**TECHGIG**


Hi Rakesh Kotian,

You have scored **16 marks** in Round 1.

[See Assessment](#)

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About The Assessment

 CSE\_BDA\_3  
Round 1 ends on: 26 May, 2020 (1 Minute)

Warm Regards,  
TechGig Team

**TECHGIG**


Hi Rakesh Kotian,

You have scored **18 marks** in Round 2.

[See Assessment](#)

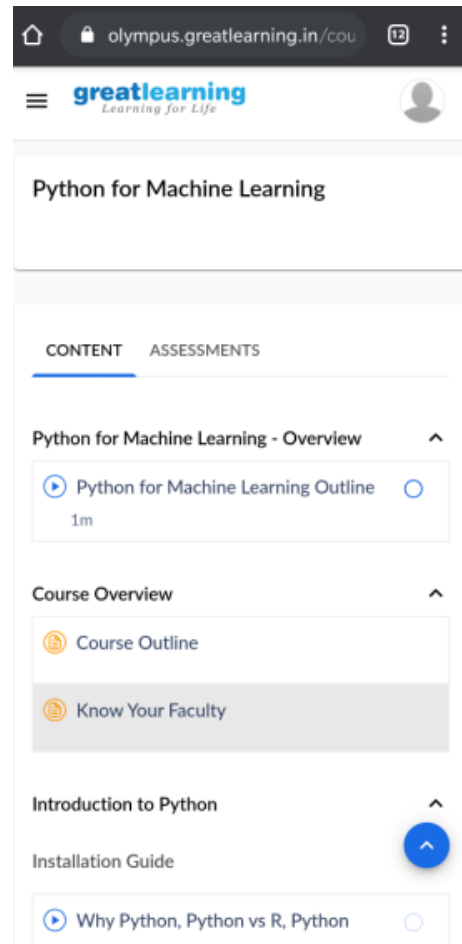
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About The Assessment

 CSE\_BDA\_3  
Round 2 ends on: 26 May, 2020 (8 Minutes)

Warm Regards,  
TechGig Team

**Certification Course Details: (Attach the snapshot and briefly write the report for the same)**



**Coding Challenges Details:**

1. To check Whether the given number is palindrome or not

Pgrml:

```
a = "malayalam"
```

```
b = ""
```

```
for i in a: b = i + b
```

```

if (a==b):
print("Given String is palindrome")
else:
print("String is not a palindrome")

```

### 1. Micro and Array Update

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.

#### 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:

$$1 \leq T \leq 5$$

$$1 \leq N \leq 10^5$$

$$1 \leq A[i], K \leq 10^6$$

SAMPLE INPUT	SAMPLE OUTPUT
2	3
3 4	0
1 2 5	
3 2	
2 5 5	

### Program 2:

```

def micro(k,l):
c=min(l)
res=k-c
return res

```

```
t=int(input('enter number of test case: '))
for j in range(0,t):
    l=[]
    a=int(input('Enter number of elements: '))
    k=int(input('enter the value k : '))
    for i in range(0,a):
        m=int(input())
        l.append(m)
    print(l)
    print("minimum time is :",micro(k,l))
```