DAILY ONLINE ACTIVITIES SUMMARY
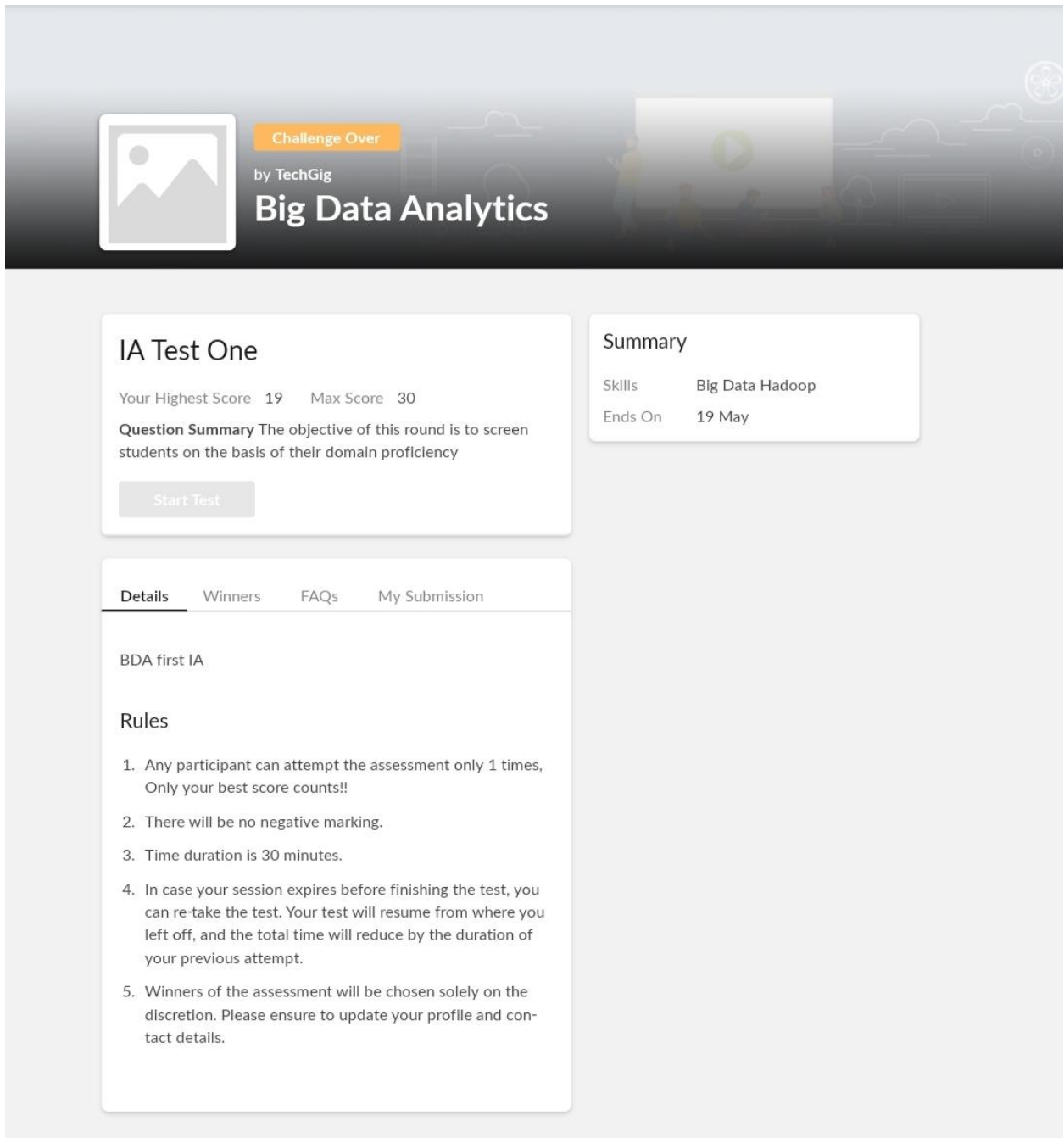
Date:	19-05-2020		Name:	PRASANNA
Sem & Sec	8th,B		USN:	4AL16CS068

Online Test Summary				
Subject	Big Data analytics			
Max. Marks	30		Score	19

Certification Course Summary				
Course	Introduction to ethical hacking			
Certificate Provider	Great learner academy		Duration	6 Hrs

Coding Challenges
Problem Statement: prob1- Shortest palindrome   **Prob2-** *To check whether the number is prime or not*   **Status: Solved**

Uploaded the report in Github	Yes
If yes Repository name	**prasanna_k**
Uploaded the report in slack	Yes

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

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

Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)

1) Online Test Details:

Challenge Over
by TechGig
Big Data Analytics

IA Test One

Your Highest Score 19   Max Score 30

Question Summary The objective of this round is to screen students on the basis of their domain proficiency

Start Test

Summary

Skills   Big Data Hadoop

Ends On   19 May

Details   Winners   FAQs   My Submission

BDA first IA

Rules

1. Any participant can attempt the assessment only 1 times, Only your best score counts!!

2. There will be no negative marking.

3. Time duration is 30 minutes.

4. In case your session expires before finishing the test, you can re-take the test. Your test will resume from where you left off, and the total time will reduce by the duration of your previous attempt.

5. Winners of the assessment will be chosen solely on the discretion. Please ensure to update your profile and contact details.

2) **Certification Course Details:**

An ethical hacker finds a job in any company which has an internet facing side or anything to do with the web. These include college institutions like MIT and even private companies ranging from logistic services to data warehousing companies. Apart from these, you also get a chance to work for the military and top-secret intelligence gathering agencies like the CIA, Mossad, NSA.

Ethical Hacker Skill Set

A person with an ethical hacking career is expected to be proficient in database handling, networking, and operating systems and also have excellent soft skills as they need to communicate problems regarding security to the rest of the organization. Other than these generalized skillsets, an ethical hacker also have a good grasp on the following skills:

- Network traffic sniffing
- Orchestrate various network attacks
- Exploit buffer overflow vulnerabilities
- SQL injection
- Password guessing and cracking
- Session hijacking and spoofing
- DNS spoofing

3) **Coding Challenges:**

1. We have a Letter or a word then we need add some letters to it and need to find out shortest palindrome
   example we take "S": S will be the shortest palindrome string.
   If we take "xyz": zyxyz will be the shortest palindrome string
   So we need to add some characters to the given string or character and find out what will be the shortest palindrome string by using simple java program.

2. Here is a function isprimebad that takes a positive integer as input and returns True if the number is prime and False otherwise. There is an error in this function. Provide an input n, which is a positive integer, for which isprimebad produces an incorrect output

```python
import math
def isprimebad(n) :
    if n < 2 :
        return(False)
    else :
        for i in range(2, int(math.sqrt(n))) :
            if n%i == 0 :
                return(False)
        return(True)


for i in range(1,50) :
    print(i,'==>',isprimebad(i))
```

Prog1:

```java
package coder;
                public class stringpgm {
                    public static void main(String[] args) {
                        String S="Hello friend";
                        int count;
                        int[] freq=new int[S.length()];
                        for(int i=0;i<S.length();i++) {
                            count=1;
                            if(freq[i]==0)
                            {
                                for(int j=i+1;j<S.length();j++)
                                {
                                    if((S.charAt(i))==(S.charAt(j))) {
```

```java
                                                count++;
                                                freq[j]=1;} }
                            System.out.println(S.charAt(i)+" : "+count);
                    }
                }
            }
        }
```

Pgrm 2:

```python
mport math
def isprimebad(n):
    if (n==1):
        return False
    elif (n==2):
        return True;
    else:
        for i in range(2,int(math.sqrt(n))):
            if(n % x==0):
                return False
            return True
for i in range(1,50):
    print(i,'==>', isprimebad (i))
```