DAILY ONLINE ACTIVITIES SUMMARY

| Date:	18/05/2020	Name:	Prathiksha
Sem & Sec	8th sem & B sec	USN:	4AL16CS070

Online Test Summary

Subject	System Modeling and Simulation(SMS)		
Max. Marks	60	Score	60

Certification Course Summary

Course	Introduction To Ethical Hacking		
Certificate Provider	Great Learning Academy	Duration	6hrs

Coding Challenges

Problem Statement:
1. Using methods charAt() & length() of String class
2. Print even and odd numbers series respectively from two threads: t1 and t2.

Status: Solved

Uploaded the report in Github	Yes
If yes Repository name	online-coding-challenges-may-18
Uploaded the report in slack	Yes

Online Test Details:
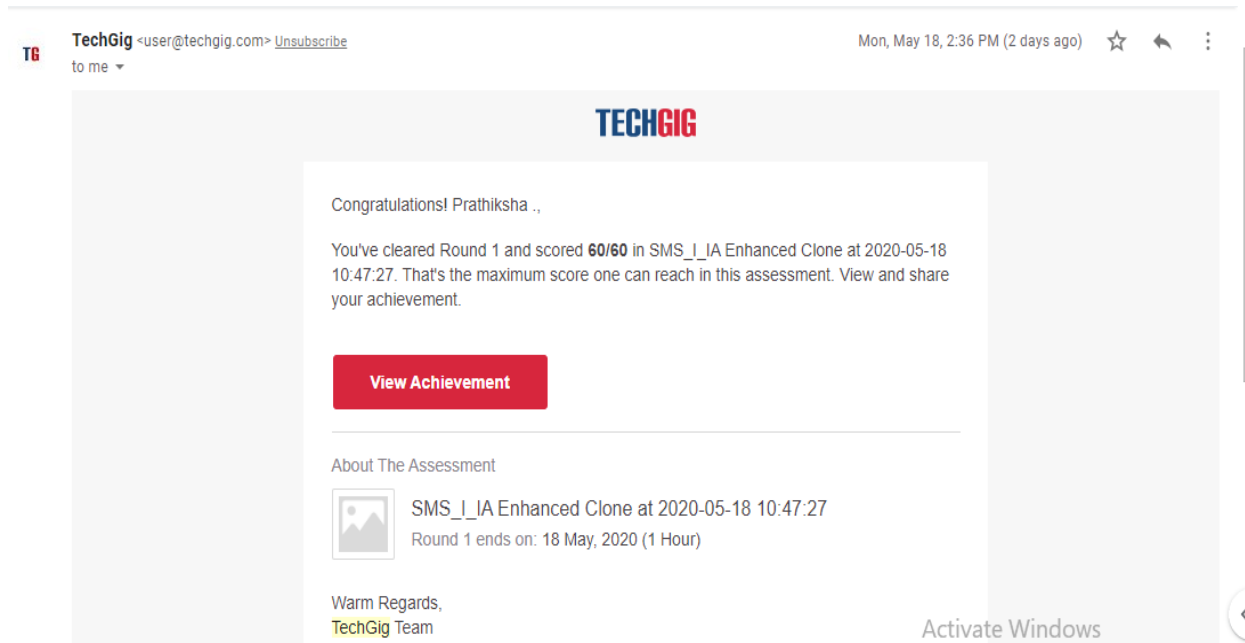
IA1 portion was Random Number Generation.

Certification Course Details:
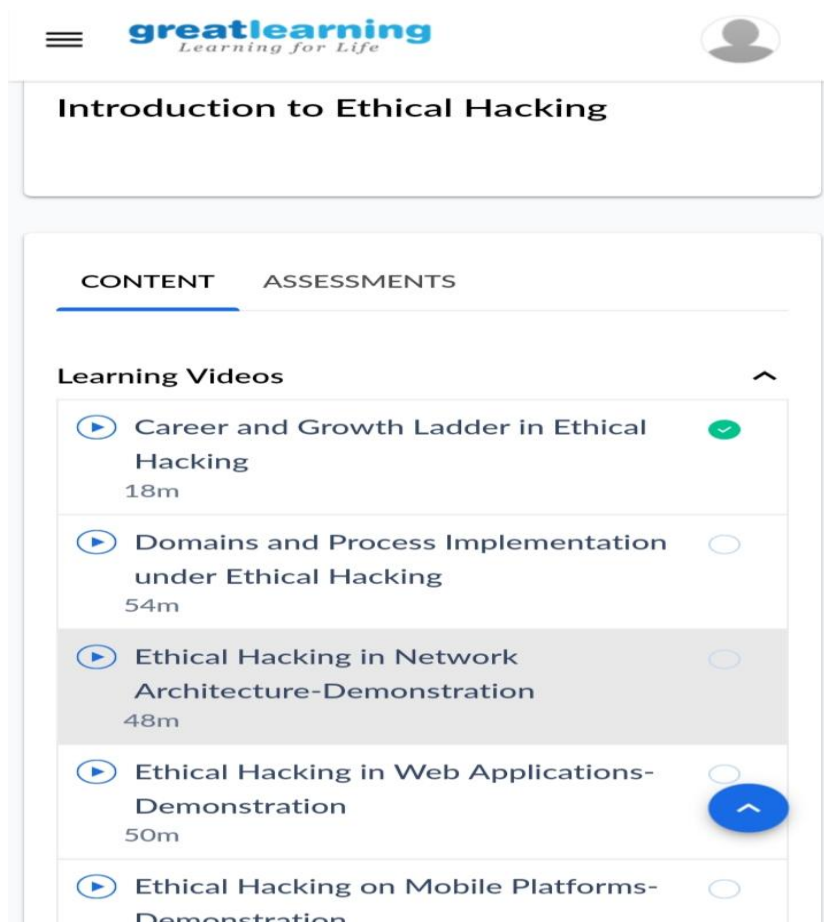
Topic : Introduction to Ethical Hacking

Coding Challenges Details:

Program 1:

```java
import java.util.Scanner;
public class StringOperators
{
public static void main(String args[])
{
int i;
String s1;

int counter[] = new int[256];
Scanner in = new Scanner(System.in);

System.out.print("Enter a String : ");
s1=in.nextLine();
for (i = 0; i < s1.length(); i++) {
counter[(int) s1.c
harAt(i)]++;
}
// Print Frequency of characters
for (i = 0; i < 256; i++) {
if (counter[i] != 0) {
System.out.println((char) i + ":-" + counter[i] + " times");
}
}
}
}
```

....

Program 2:

```java
public class PingPong extends Thread {
static StringBuilder object = new StringBuilder("");

public static void main(String[] args) throws InterruptedException {

Thread t1 = new PingPong();
Thread t2 = new PingPong();

t1.setName("\nping");
t2.setName(" pong");

t1.start();
t2.start();
}

@override
public void run() {
```

```java
working();
}

void working() {
while (true) {
synchronized (object) {
try {
System.out.print(Thread.currentThread().getName());
object.notify();
object.wait();
} catch (InterruptedException e) {
e.printStackTrace();
}
}
}
}
}
```