DAILY ONLINE ACTIVITIES SUMMARY

| Date: | 02-06-2020 | | Name: | Manikya K |
|---|--------------------|--------------------------|------------|---|
| Sem & Sec | 8 th ,A | | USN: | 4AL16CS050 |
| Online Test Summary | | | | |
| Subject | Not Conducted | | | |
| Max. Marks | - | | Score | - |
| Certification Course Summary | | | | |
| Course 1) Introduction to ethical hacking 2) Introduction to cyber security | | | | |
| Certificate P | rovider | Great learner academy | Duration | Ethical hacking - 6 Hrs Cyber Security - 7 Hrs |
| Coding Challenges | | | | |
| Problem Statement: c++ prog to find sum of digits until the number is a single digits | | | | |
| Status: Solved | | | | |
| Uploaded the report in Github | | | Yes | |
| If yes Repository name | | | manikya-20 | |
| 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)

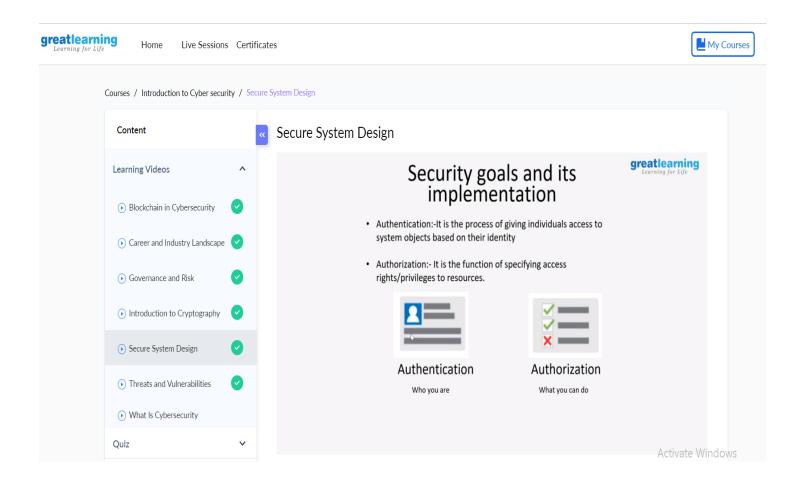
Coding Challenges Details: (Attach the snapshot and briefly write the report for the sam

1) Certification Course Details:

A) Introdution to ethical hacking:



B) Introduction to Cyber Security:



We have divided each set of principles into five categories, loosely aligned with stages at which an attack can be mitigated:

Establish the context

Determine *all* the elements which compose your system, so your defensive measures will have no blind spots.

Making compromise difficult

An attacker can only target the parts of a system they can reach. Make your system as difficult to penetrate as possible

• Making disruption difficult

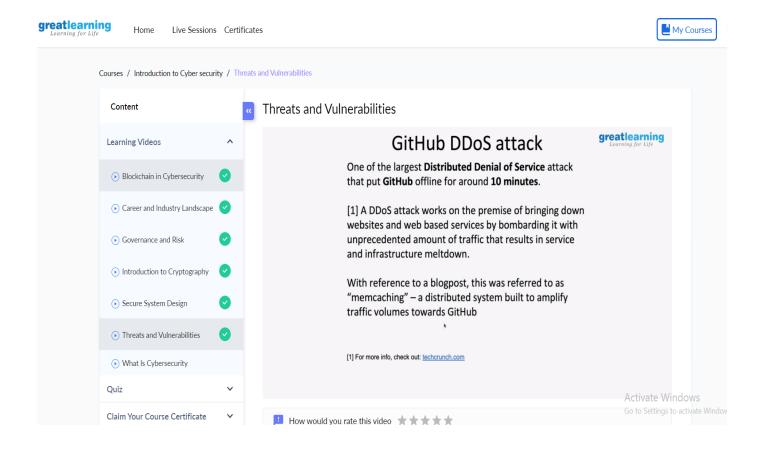
Design a system that is resilient to denial of service attacks and usage spikes

• Making compromise detection easier

Design your system so you can spot suspicious activity as it happens and take necessary action

• Reducing the impact of compromise

If an attacker succeeds in gaining a foothold, they will then move to exploit your system. Make this as difficult as possible



Mistakes happen, even in the process of building and coding technology. What's left behind from these mistakes is commonly referred to as a bug. While bugs aren't inherently harmful (except to the potential performance of the technology), many can be taken advantage of by nefarious actors—these are known as vulnerabilities. Vulnerabilities can be leveraged to force software to act in ways it's not intended to, such as gleaning information about the current security defenses in place.

Once a bug is determined to be a vulnerability, it is registered by MITRE as a CVE, or common vulnerability or exposure, and assigned a Common Vulnerability Scoring System (CVSS) score to reflect the potential risk it could introduce to your organization. This central listing of CVEs serves as a reference point for vulnerability scanners.

2) Coding Challenges:

```
#include <iostream>
using namespace std;

int main()
{
    int number = 147; //Any number.
    int res;

if(number)
        res = number % 9 == 0 ? 9 : number % 9;
    else
        res = 0;

//print the result
    cout<<res;

return 0;
}</pre>
```