

DAILY ONLINE ACTIVITIES SUMMARY

Date:	20-05-2020	Name:	PRASANNA
Sem & Sec	8 th ,B	USN:	4AL16CS068
Online Test Summary			
Subject	IOT		
Max. Marks	30	Score	25
Certification Course Summary			
Course	Introduction to ethical hacking		
Certificate Provider	Great learner academy	Duration	6 Hrs
Coding Challenges			
Problem Statement: prob1- <i>To Check whether the given number is Armstrong number or not</i>			
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:

prasannapatla16@gmail.com Logout

Test Completed!

You have successfully participated in IOT IA1.

Rate this Test

Your Rating: ★★★★★ ◀ Click to Rate

Results

Analytics

✓ MCQ

Your Score **25** / 30

Activate Windows
Go to PC settings to activate Windows.

2) Certification Course Details:

Domains Under Ethical hacking:

- Web application Domain
- Mobile
- Network Architecture Domain

Direct communication cannot be achieved across application domains. However, application domains can still talk to each other by passing objects via marshalling by value (unbound objects), marshalling by reference through a proxy (application-domain-bound objects). There is a third type of object called a context-bound object which can be marshalled by reference across domains and also within the context of its own application domain. Because of the verifiable type-safety of managed code, a CLI can provide fault isolation between domains at a much lower cost than an operating system process can. The static type verification used for isolation does not require the same process switches or hardware ring transitions that an operating system process requires.

The screenshot shows the Great Learning platform interface. At the top, there's a navigation bar with the Great Learning logo, 'Home', 'Live Sessions', 'My Courses', and a user profile icon. Below this, a breadcrumb trail reads 'Courses / Introduction to Ethical Hacking / Domains and Process Implementation under Ethical Hacking'. The main content area is split into two panels. The left panel, titled 'Content', lists several learning videos: 'Career and Growth Ladder in Ethical Hacking' (marked with a green check), 'Domains and Process Implementation under Ethical Hacking' (the current video, marked with a blue circle), 'Ethical Hacking in Network Architecture-Demonstration', 'Ethical Hacking in Web Applications-Demonstration', 'Ethical Hacking on Mobile Platforms-Demonstration', and 'What is Ethical Hacking'. Below the videos are sections for 'Quiz' and 'Claim Your Course Certificate'. The right panel displays the video player for 'Domains and Process Implementation under Ethical Hacking'. The video title is 'Types of Network Attacks'. The content lists three types of attacks: 'Endpoint attacks' (gaining unauthorized access to user devices, servers, or other endpoints), 'Malware attacks' (infecting IT resources with malware), and 'Vulnerabilities, exploits and attacks' (exploiting vulnerabilities in software). The video player includes a progress bar showing 38:41 / 15:18, a volume icon, and a rating prompt: 'How would you rate this video' with five stars. At the bottom right, there's a Windows activation watermark: 'Activate Windows Go to PC settings to activate Windows.'

Web application domain:**Two major categories:**

- Client Side vulnerabilities
- Server side vulnerabilities

All the attacks can be categorized into 3 major attacks:

- Parameter tampering
- Unvalidated inputs
- Directory Traversal attacks

Common web application attacks:

- Injection Flaws eg.SQL injection ,HTML injection etc.
- Cross site , scripting
- Web services attacks eg.DNS cache poisoning, file uploads etc

Hacking methodology:

- Web Footprinting –gathering information
- Vulnerability Scanners –w3af,acunetix
- Identity Entry and attack surface

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3) Coding Challenges:

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

Pgrm1:

```
num = 1634
order = len(str(num))
sum = 0
temp = num
while temp > 0:
    digit = temp % 10
```

```
    sum += digit ** order
    temp //= 10
if num == sum:
    print(num,"is an Armstrong number")
else:
    print(num,"is not an Armstrong number")
```