Daily Diary – Day 14

Date: 11/07/25
Day: 14

Today in class, sir gave us an assignment consisting of some **theory questions**, which were shared through a **Google Form**. These questions were based on the previous topics covered in the class and were aimed at evaluating our understanding. The assignment required us to write descriptive answers, helping us revise key cybersecurity concepts and improving our theoretical clarity.

Daily Diary – Day 15

Date: 12/07/25
Day: 15

In today's session, sir introduced us to some **basic and commonly used commands in Kali Linux**. We learned how to use terminal commands for navigating directories, managing files, installing packages, and accessing tools. The class was practical and helped us get comfortable with the Kali Linux environment, which is widely used in cybersecurity and ethical hacking practices.

Daily Diary – Day 16

Date: 14/07/25
Day: 16

Today, we learned about two major types of **cyber attacks**:

1. **SQL Injection Attack** – Sir explained how attackers exploit vulnerable input fields to inject malicious SQL code to access or manipulate databases.
2. **Brute Force Attack** – We were taught how attackers attempt to crack passwords or login credentials by systematically trying all possible combinations.

Sir also discussed various **prevention techniques**, including:

- Validating and sanitizing user inputs to prevent SQL injection
- Using strong passwords and implementing account lockout mechanisms to defend against brute force attacks
- Employing firewalls and intrusion detection systems (IDS)