

What I Learned in Course 1

What I Learned in Course 1: Foundations of Cybersecurity

1. Understanding Cybersecurity Roles:

- Identified key roles like Security Analyst, Incident Responder, Penetration Tester, and more.
- Understood the responsibilities and required skills for each role.

2. The CIA Triad:

- Confidentiality: Ensuring information is not accessed by unauthorized people.
- Integrity: Ensuring information is accurate and not tampered with.
- Availability: Ensuring authorized users have access when needed.

3. Security Frameworks and Principles:

- Learned about NIST Cybersecurity Framework (Identify, Protect, Detect, Respond, Recover).
- Gained knowledge of basic security principles and industry ethics.

4. Introduction to Tools:

- Overview of SIEM (Security Information and Event Management).
- Basics of Linux, Python, and SQL in cybersecurity.
- Use of tools like firewalls, antivirus software, and IDS.

5. Importance of Ethics in Cybersecurity:

- Confidentiality, integrity, professionalism, and compliance with laws.