

ASSIGNMENT-7

1. Case Study Question:

Case Study: XYZ Corporation, a leading financial institution, recently experienced a security breach where sensitive customer data was compromised. As part of the incident response team (IRT), outline the steps you would take to address this incident effectively. Consider incident categorization, detection, communication plan, documentation, and legal/regulatory considerations in your response. Evaluate the importance of incident response planning in mitigating such incidents and maintaining trust with stakeholders.

2. Investigate the exploitation of vulnerabilities such as SQL injection and cross-site scripting (XSS) in ethical hacking scenarios.
3. Discuss privilege escalation as a hacking technique, its implications, and preventive measures.
4. Explain the process of password cracking and discuss its ethical implications.