



Week 2 : Web Application Security

Pre-Learning Section

1. Watch Videos:
 - Introduction to SQL Injection
 - Using SQLMap for SQL Injection
2. Read Articles:
 - OWASP SQL Injection guide
 - SQL Injection Prevention Cheat Sheet
 - SQLMap Tutorial

Steps to Exploit SQL Injection

Understanding the Issue

1. Research SQL Injection:
 - Understand the basics and how it works.
2. Identify Vulnerable Inputs:
 - Locate input fields that interact with the database (e.g., login forms, search bars).

Exploiting the Issue

1. Manual Testing:
 - Test input fields with basic SQL injection techniques (e.g., using single quotes).
2. Automated Testing with SQLMap:
 - Use SQLMap to scan the application for SQL injection vulnerabilities.



Mitigation Steps

1. Write down the steps to mitigate the issues in **detail!**

Documentation

1. Document Each Step:
 - Record each step of the process with notes and screenshots.
2. Create a Report:
 - Include an introduction, vulnerability details, exploitation process, mitigation recommendations, and conclusion.
3. Include Screenshots:
 - Capture screenshots of each stage of the process.

Submission

1. Compile all documentation and screenshots into a report.
2. Submit the report on web-tasks@offensiox.com.

Deadline : 8 Aug

Reach Out to your Internship head in case of any issue or help : fanimalikhack@offensiox.com

