Task 2 – Manual Web Application Security Testing Report

Internship: Future Interns – Cyber Security Internship
Target Website: http://testphp.vulnweb.com (Demo website)

Objective

To manually identify common web application vulnerabilities using browser-based testing without installing any security tools.

Vulnerabilities Tested

1. SQL Injection
2. Cross-Site Scripting (XSS)
3. Insecure Cookies
4. Missing Security Headers

Findings Summary

- SQL Injection vulnerability identified via URL parameter manipulation.
- Reflected XSS vulnerability confirmed using script injection.
- Cookies missing HttpOnly and Secure flags.
- Critical HTTP security headers not implemented.

Conclusion

The assessment reveals multiple security weaknesses that could be exploited. Implementing secure coding practices and proper security controls is strongly recommended.