

Task 1 : Web Application Vulnerability Assessment for News Headlines.

Objective: Identify and fix vulnerabilities such as SQL Injection, XSS, and insecure login flows using DVWA or OWASP Juice Shop.

Tools : DVWA, OWASP Juice Shop, Kali Linux, Burp Suite, OWASP ZAP

Deliverables: Report with screenshots of each exploit and fix, README.md, GitHub/Drive link

Hints/Mini Guide:

Use Burp Suite to intercept and tamper with requests. Try simple SQL payloads in input fields. Research OWASP Top 10.

Outcome: Understand and remediate common web app security issues.

Interview Questions:

1. What is SQL Injection?
2. How does Cross-Site Scripting (XSS) work?
3. What is the OWASP Top 10?
4. How can you prevent SQLi in applications?
5. What tools are used to find web vulnerabilities?
6. What is the difference between GET and POST requests?
7. What does Burp Suite do?
8. Why is input validation important?
9. What is session hijacking?
10. What is the Same-Origin Policy?

Key Concepts: SQL Injection, Cross-Site Scripting (XSS), OWASP Top 10, HTTP Requests, Input Validation

🌟 Task Submission Guidelines

🕒 Time Window:

You've got a 12-hour window—from 10:00 AM to 10:00 PM—to give your best. It's your time to shine. But remember, once the clock hits 10:00 PM, submissions close.

🔍 Self-Research Allowed:

You're not alone—but we believe in your ability to explore and grow. Feel free to use Google, YouTube, or any learning resource. Learning how to learn is your biggest strength.

🔧 Debug Yourself:

Mistakes? Perfect. That's how real learning happens. Try solving issues on your own—it'll build your confidence and sharpen your problem-solving skills for the future.

💰 No Paid Tools:

We value learning over luxury. If any task points to a paid tool, skip it. Don't spend a single rupee. Just search for free, open-source options—we promise, it's part of the real-world hustle.

📁 GitHub Submission:

For each task, start fresh. Create a new GitHub repo.

Upload everything you used—your code, dataset, screenshots (if any), and a short README.md. That README is your story—tell us what you built, why, and how.

✉️ Submission:

When you're done and proud of what you've built, drop your GitHub repo link through the submission form. Let your work speak for you.

