Task 5 :Vulnerability Scanning with OpenVAS

Objective: **Run a full system vulnerability scan and create a report of discovered CVEs.**

Tools : **OpenVAS, Greenbone, Kali Linux**

Deliverables: **PDF scan report, risk assessment summary**

Hints/Mini Guide:

Ensure ports 9390/9392 are open. Start scanner service before launching scan.

- **Outcome:Learn how to identify system vulnerabilities using enterprise-grade tools.**

Interview Questions:

1.What is vulnerability scanning?
2.What is a CVE?
3.How does OpenVAS work?
4.What's the difference between OpenVAS and Nessus?
5.What are false positives in scanning?
6.What is an authenticated scan?
7.What types of vulnerabilities can be detected?
8.What is risk severity (low, medium, high)?
9.How often should scans be performed?
10.How do you mitigate a high-risk finding?

Key Concepts: **Vulnerability Assessment, CVE Reports, Network Scanning, Risk Analysis**

🌟 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.