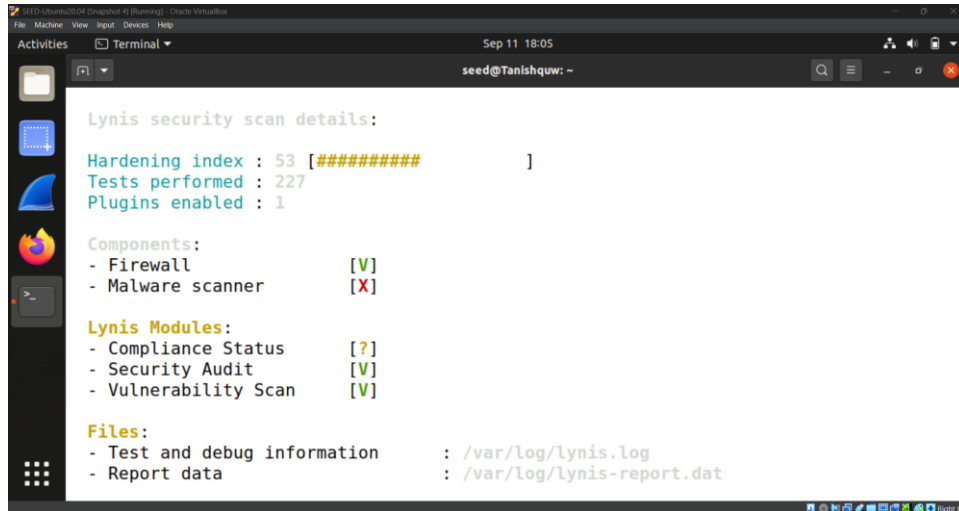


Assignment 3

Name- Tanishq Umesh Walzade

1. What was your hardening index score?

Hardening Index Score: 53

A screenshot of a terminal window titled 'Terminal' showing the output of a Lynis security scan. The window has a dark background with light-colored text. The output includes the hardening index score (53), the number of tests performed (227), and the number of plugins enabled (1). It also lists components like Firewall and Malware scanner, and Lynis modules like Compliance Status, Security Audit, and Vulnerability Scan. Finally, it shows the locations of log files for test and debug information and report data.

```
Lynis security scan details:

Hardening index : 53 [#####]
Tests performed : 227
Plugins enabled : 1

Components:
- Firewall [V]
- Malware scanner [X]

Lynis Modules:
- Compliance Status [?]
- Security Audit [V]
- Vulnerability Scan [V]

Files:
- Test and debug information : /var/log/lynis.log
- Report data : /var/log/lynis-report.dat
```

2. List at least 2 warnings Lynis flagged.

I. Program update status

- Program update status... [WARNING]

II. Checking for password protection

- Checking for password protection [WARNING]

3. List at least 2 suggestions for improving security.

a. PAM password strength tools

- PAM password strength tools [SUGGESTION]

b. Checking mount points (/home, /tmp, /var)

- Checking mount points
- Checking /home mount point [SUGGESTION]
- Checking /tmp mount point [SUGGESTION]
- Checking /var mount point [SUGGESTION]

4. In your own words: Why is auditing important before putting a server into production?

Auditing is important before putting a server into production because it lets you check the system for mistakes or weak spots before it goes live. It helps find problems like weak passwords, open services, or wrong settings so you can fix them early. This makes the server safer, more reliable, and ready to handle real users without unexpected issues.