Minor 2 Project Report

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Project Title: Metasploitable2 Setup and Mutillidae II Fix

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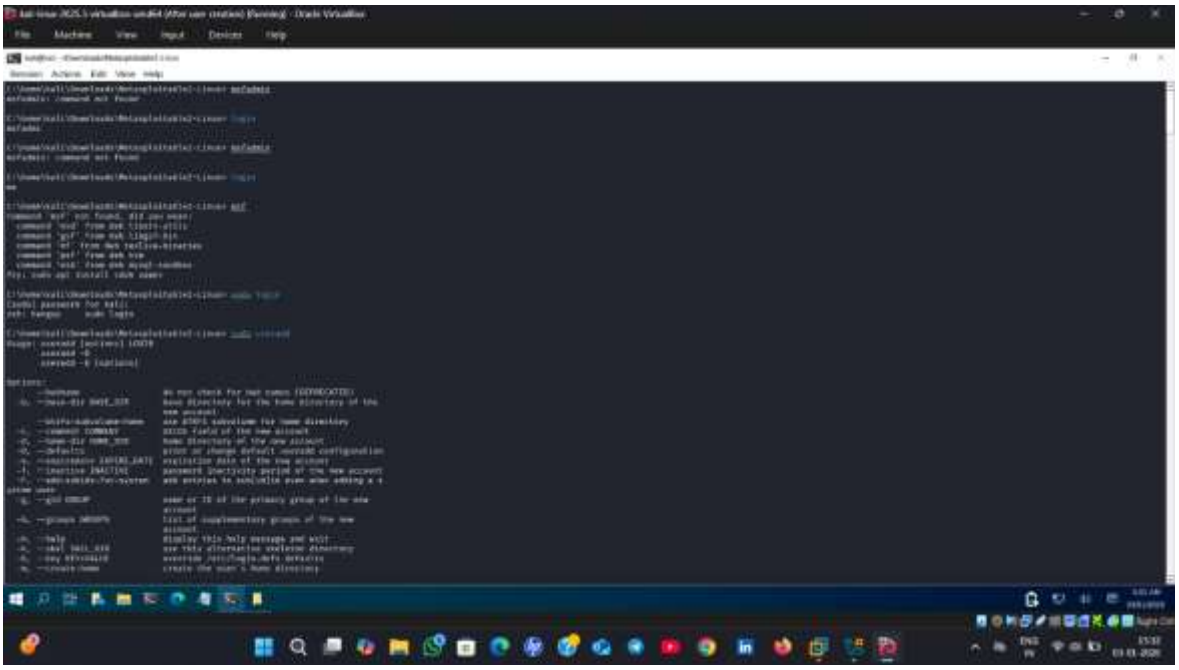
1. Introduction

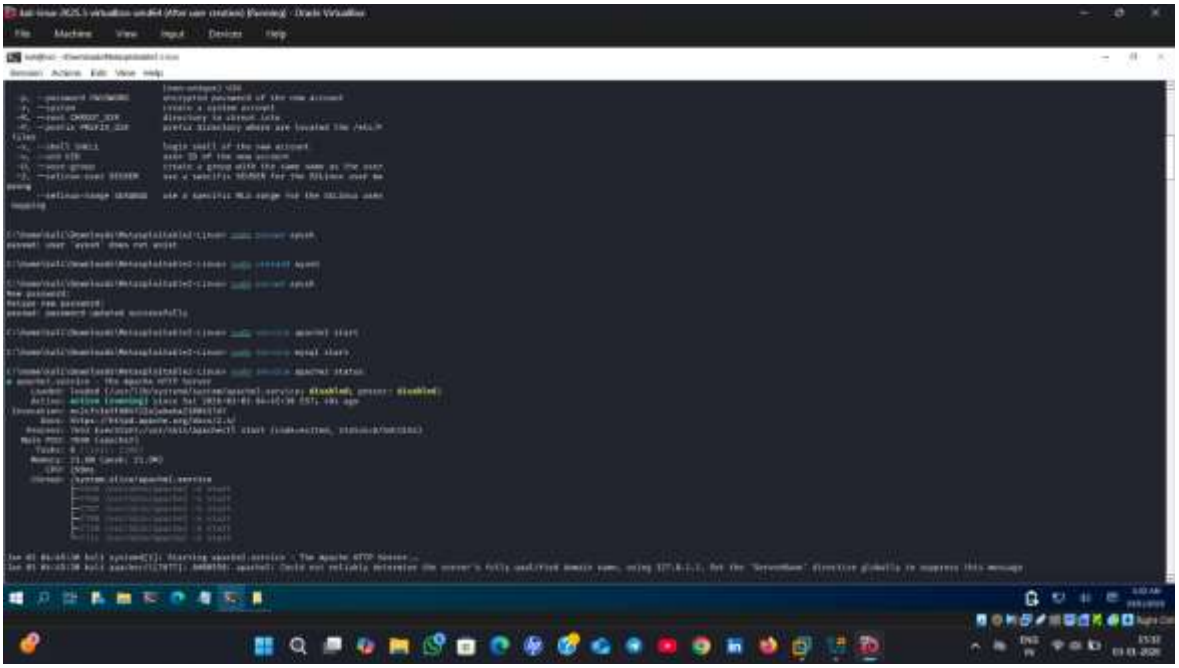
The objective of this project is to install and configure Metasploitable2, create a new user inside the system, take a virtual machine snapshot, and identify and fix the Mutillidae II database error. This project is performed for educational and ethical hacking practice purposes only.



2. Metasploitable2 Setup

Metasploitable2 was installed using a virtual machine environment. VMware Workstation was used on Windows to import and run the Metasploitable2 virtual machine. The default login credentials were used to access the system.

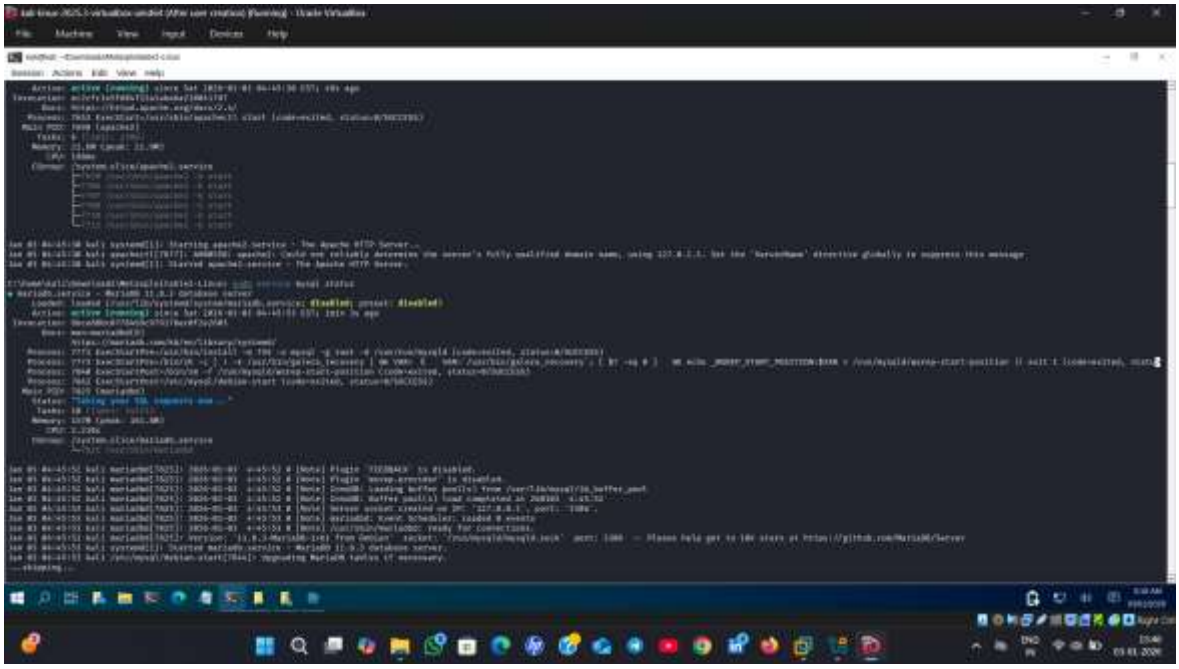
Login Credentials:
Username: kali
Password: kali



3. User Creation

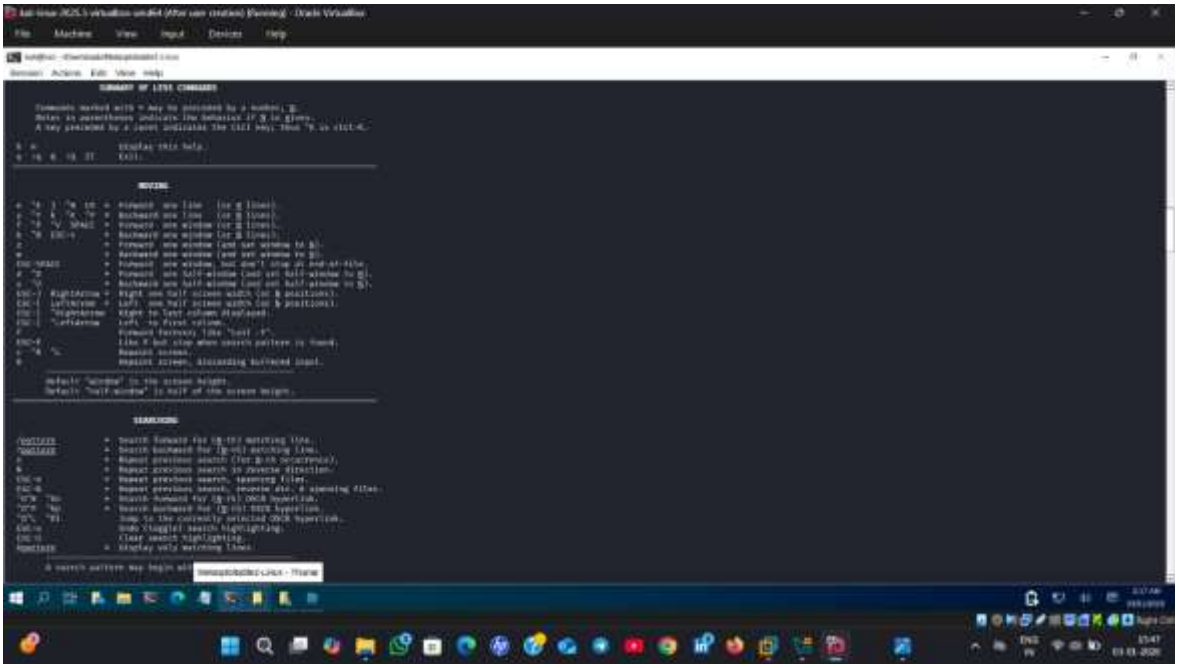
A new user was created inside Metasploitable2 using the student's name. The following commands were used to create and verify the user:

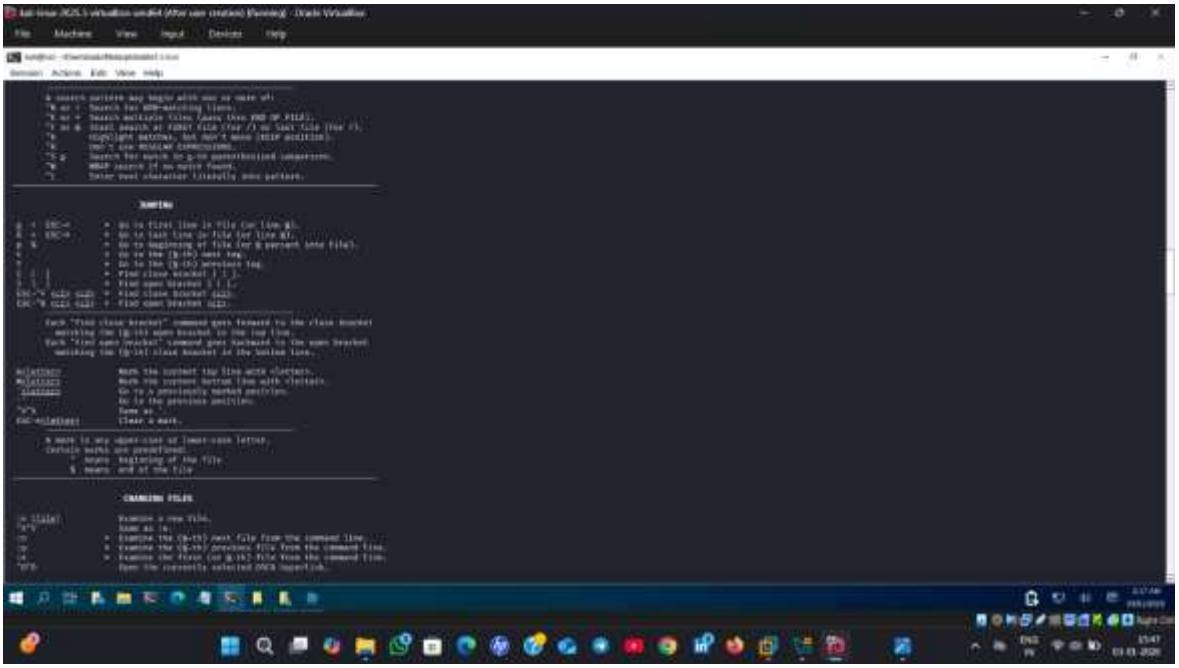
```
sudo useradd ayush sudo
passwd ayush cat /etc/passwd
| grep Ayush
```

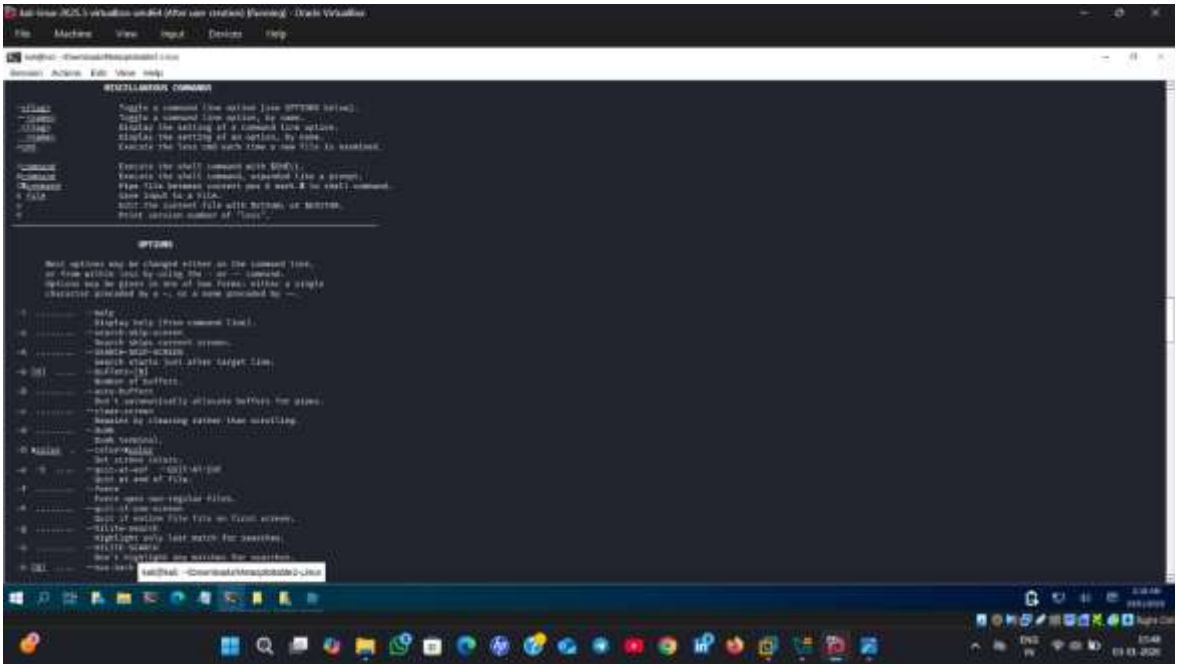


4. Snapshot Creation

After creating the new user, a snapshot of the virtual machine was taken using the virtualization software. This snapshot was named 'After user creation'.



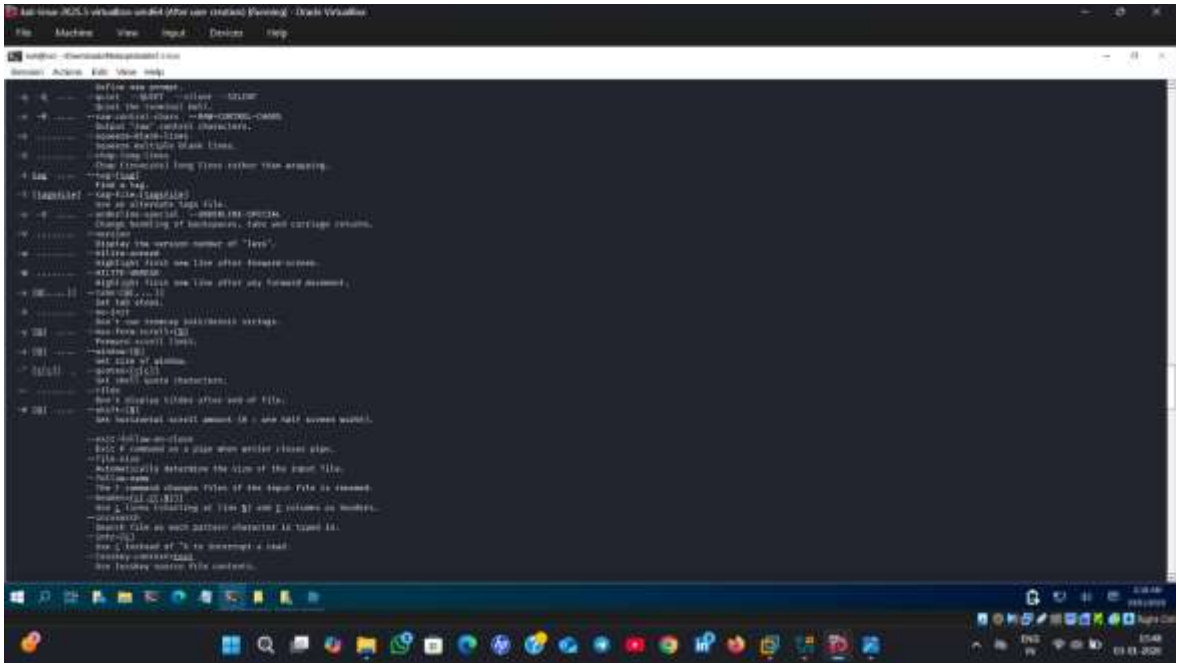


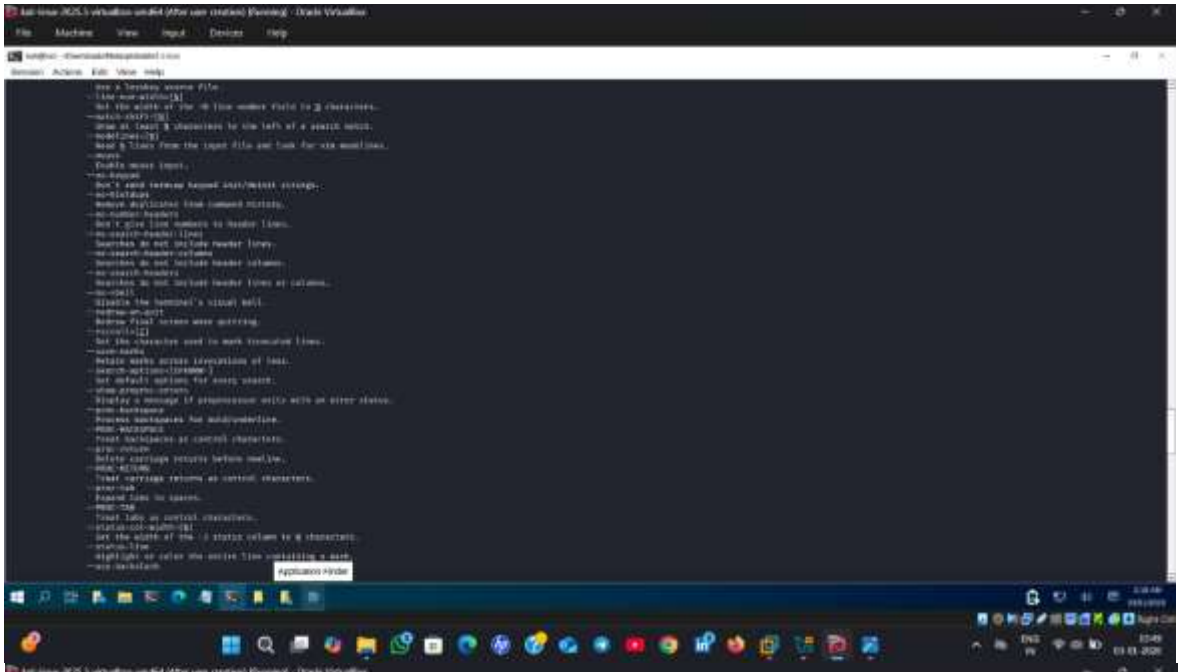


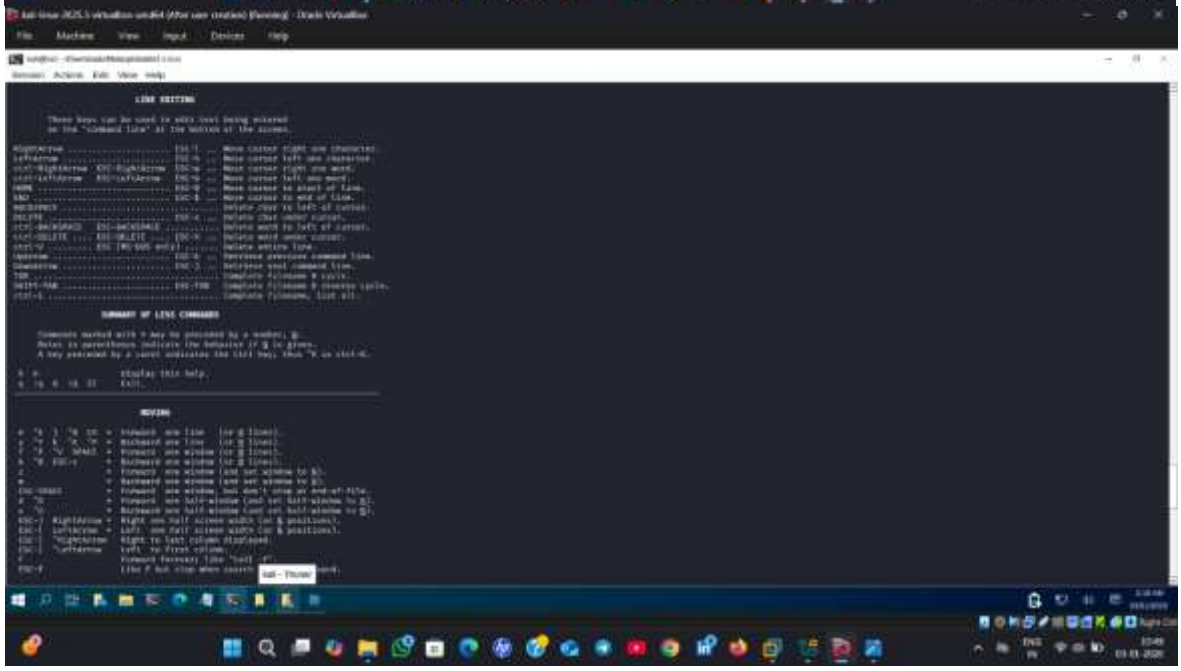
5. Mutillidae II Database Fix

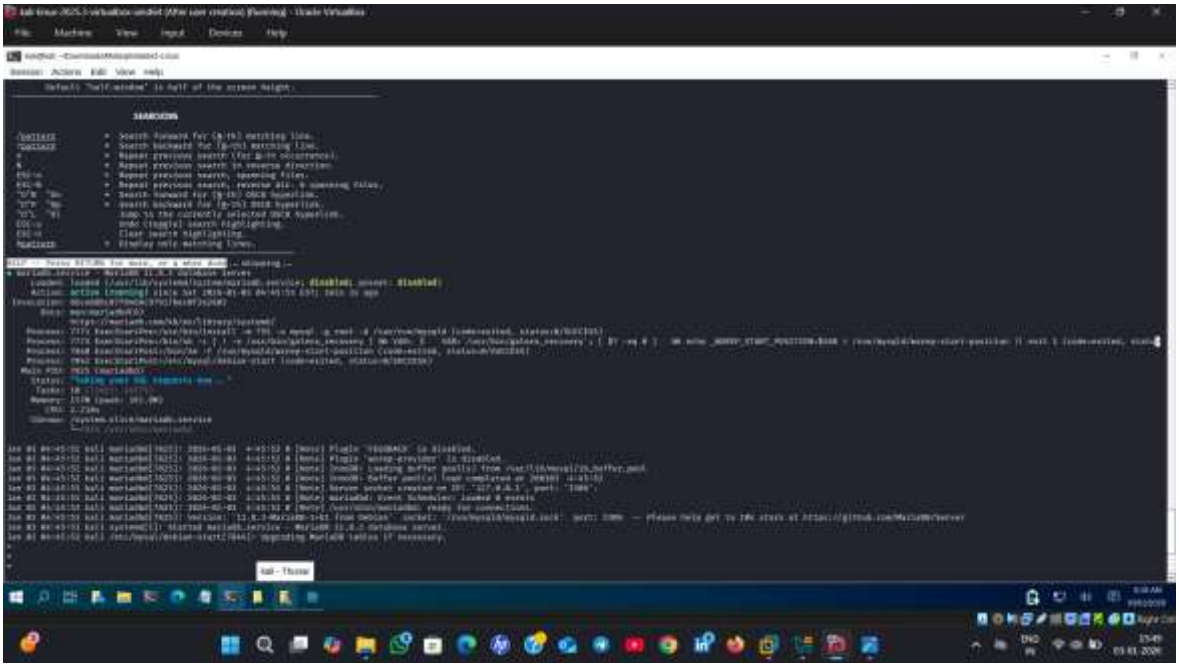
Initially, Mutillidae II showed a database connection error. To resolve this issue, Apache and MySQL services were started manually. The database setup page was accessed to reset and configure the database.

```
sudo service apache start
sudo service mysql start
http://localhost/mutillidae/set-up-database.php
```









After completing the database setup, Mutillidae II started working successfully without any errors in the browser.

6. Verification Proof

Screenshots were taken as proof of Metasploitable2 running, user creation, snapshot creation, and Mutillidae II working successfully.

7. Conclusion

This project helped in understanding the setup of a vulnerable machine, basic Linux user management, and fixing web application database issues. All tasks were completed successfully as per the project requirements.