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HashCat Password Cracking

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COURSE TITLE : Penetration Testing and Vulnerability
Analysis Lab

COURSE CODE: BCSE319P

LAB SLOT: L55+L56

SEMESTER: Winter Semester 2024-25

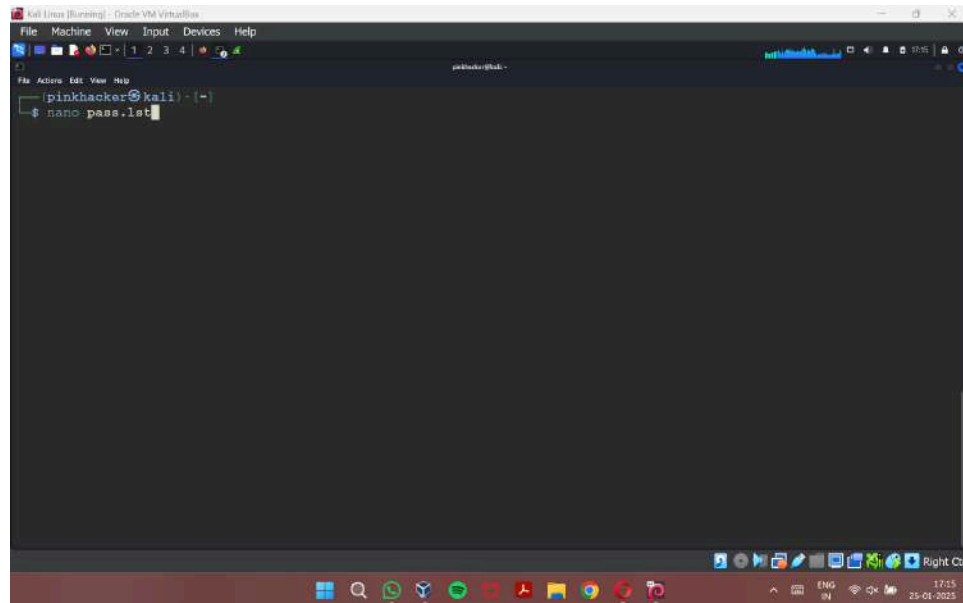
CLASS NO.: VL2024250505928

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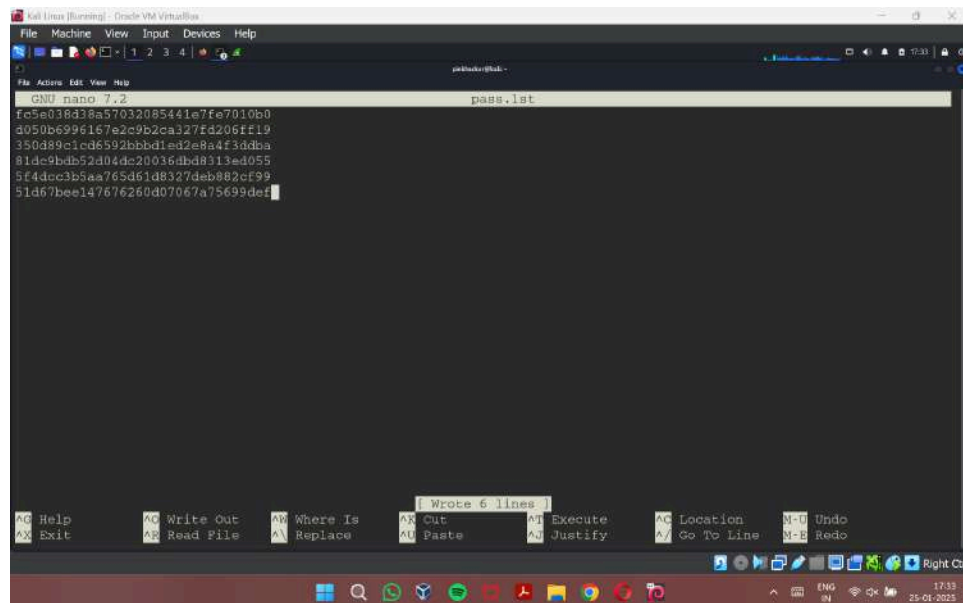
Dhevatha S P

HashCat

1. Create the password list (encrypted passwords)



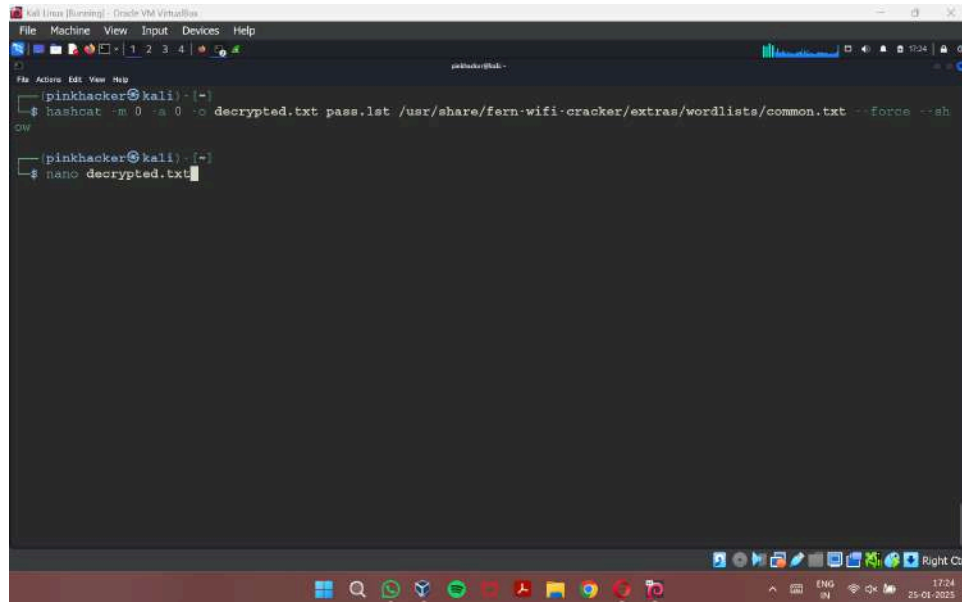
A screenshot of a Kali Linux terminal window. The prompt is 'pinkhacker@kali: ~'. The command 'nano pass.lst' has been entered and the cursor is at the end of the line.



A screenshot of a nano text editor window editing the file 'pass.lst'. The file contains 6 lines of encrypted passwords (MD5 hashes). The status bar at the bottom indicates 'Wrote 6 lines'.

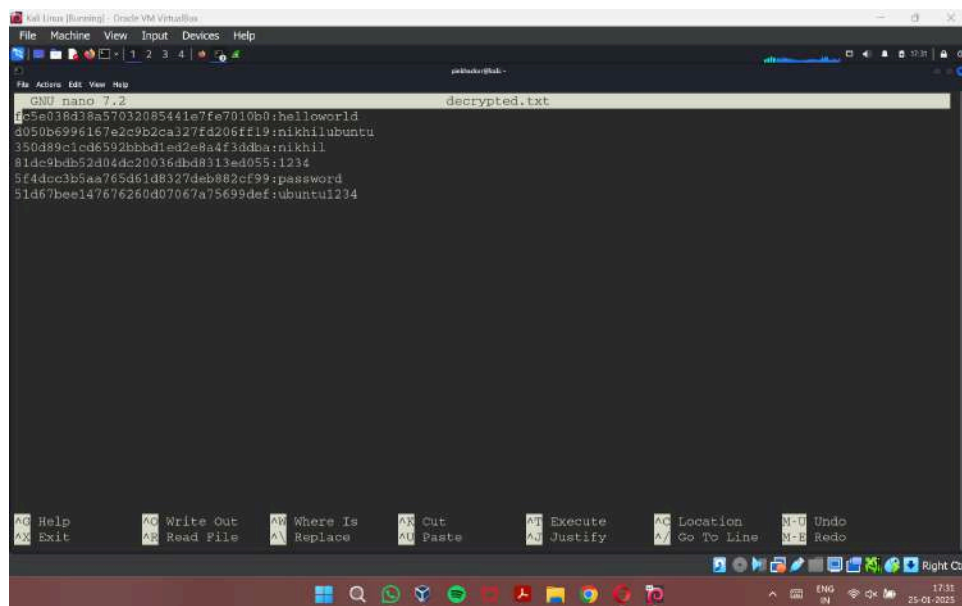
```
fc5e038d38a57032085441e7fe7010b0
d050b6996167e2c9b2ca327fd206ff19
350d89c1cd6592bbbd1ed2e8a4f3ddba
81dc9bdb52d04dc20036dbd8313ed055
5f4dcc3b5aa765d61d8327deb882cf99
51d67bee147676260d07067a75699def
```

- Running the cmd as per HashCat regulations and running it (cmd : hashcat -m 0 -a 0 -o decrypted.txt pass.lst /usr/share/fern-wifi-cracker/extras/wordlists/common.txt --force --show)



A screenshot of a Kali Linux terminal window. The terminal shows the command `hashcat -m 0 -a 0 -o decrypted.txt pass.lst /usr/share/fern-wifi-cracker/extras/wordlists/common.txt --force --show` being executed. The output shows the command running successfully. Below the command, the user has entered `nano decrypted.txt` to view the results.

- The decrypted.txt after running



A screenshot of a nano text editor window showing the contents of `decrypted.txt`. The file contains several lines of text, including a hash and a password. The text is as follows:

```
GNU nano 7.2 decrypted.txt
4c5e038d38a57032085441e7fe7010b0:helloworld
4050b6996167e2e9b2ca327fd206ff19:nikhilubuntu
3504899c1cd6592bbb41ed2e8a4f3ddba:nikhil
81dc9bdb52d04dc20036dbd8313e4055:1234
5f4dcc3b5aa765d61d8327deb882cf99:password
51d67bee147676260d07067a75699def:ubuntu1234
```