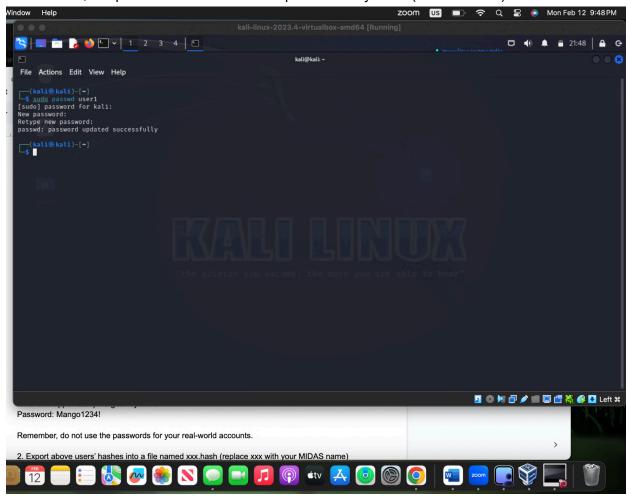
CYSE 270: Linux System for Cybersecurity Assignment: Lab 5 – Password cracking CYSE 270: Linux System for Cybersecurity

The goal of this lab is to test the strength of different passwords.

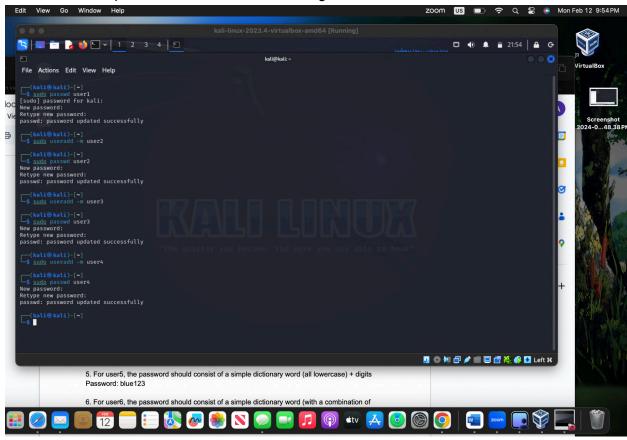
Task A – Password Cracking

- 1. Create 6 users in your Linux Terminal, then set the password for each user that meets the following complexity requirement respectively. You should list the passwords created for each user. [6 * 5 = 30 points]
- 1. For user1, the password should be a simple dictionary word (all lowercase)



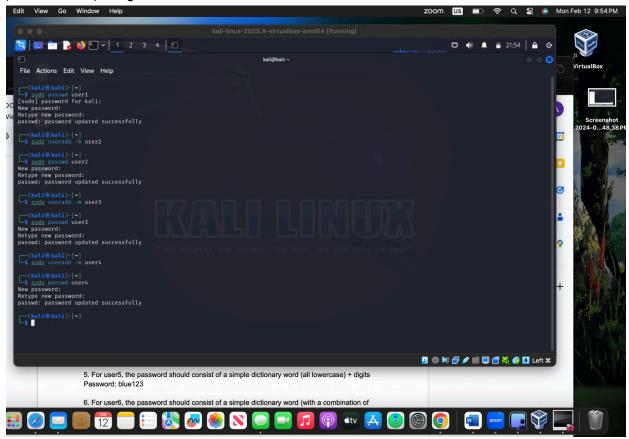
Password: apple

2. For user2, the password should consist of 4 digits



Password: 1234

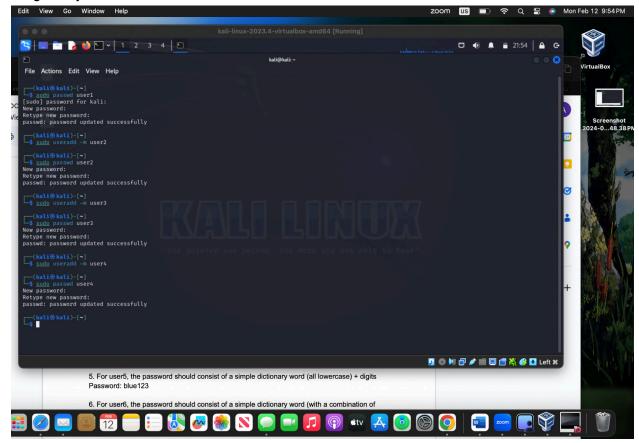
3. For user3, the password should consist of a simple dictionary word of any length characters (all lowercase) + digits



Password: pink123

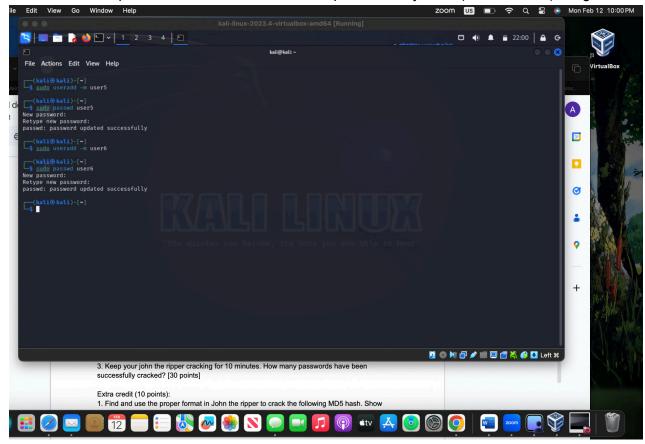
4. For user4, the password should consist of a simple dictionary word characters (all lowercase)

+ digits +symbols



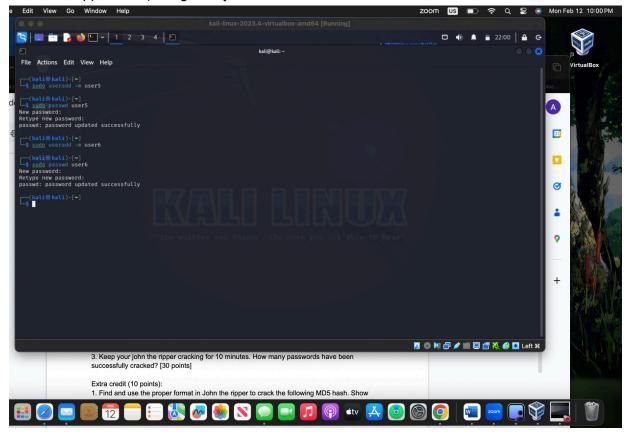
Password: yellow123!

5. For user5, the password should consist of a simple dictionary word (all lowercase) + digits



Password: blue123

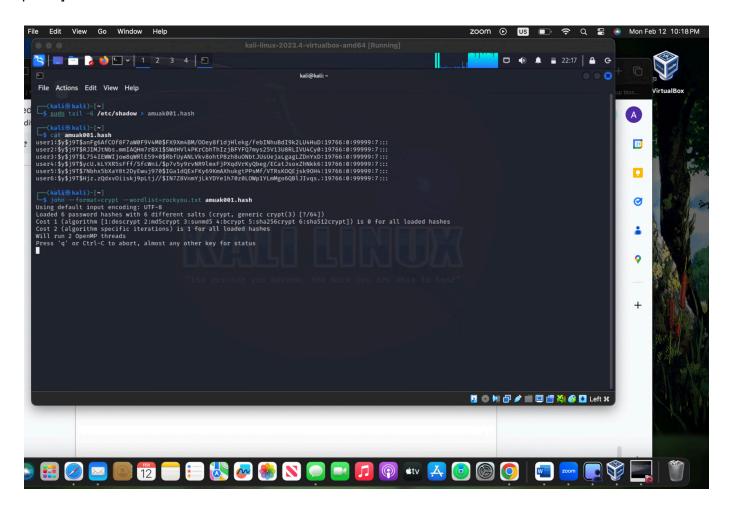
6. For user6, the password should consist of a simple dictionary word (with a combination of lower and upper case) + digits +symbols



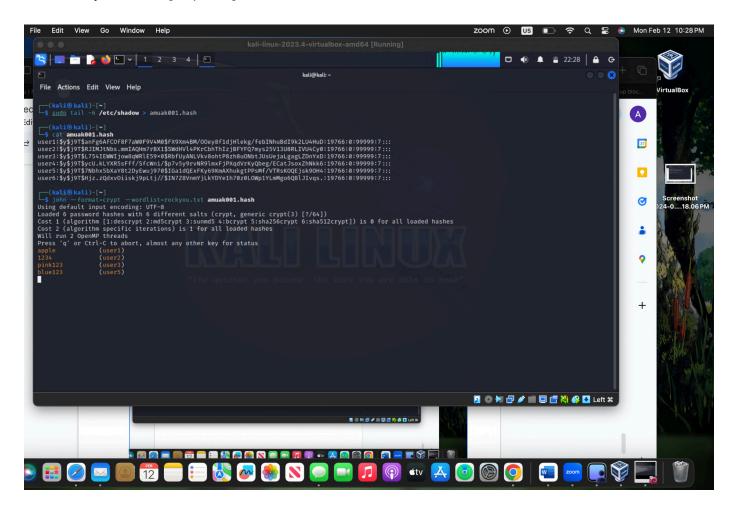
Password: Mango1234!

Remember, do not use the passwords for your real-world accounts.

2. Export above users' hashes into a file named xxx.hash (replace xxx with your MIDAS name) and use John the Ripper tool to crack their passwords in wordlist mode (use rockyou.txt). [40 points]

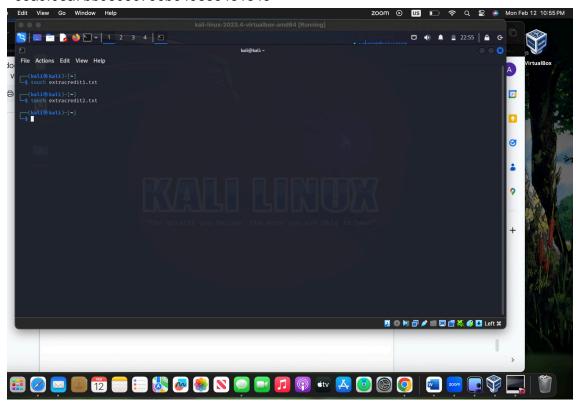


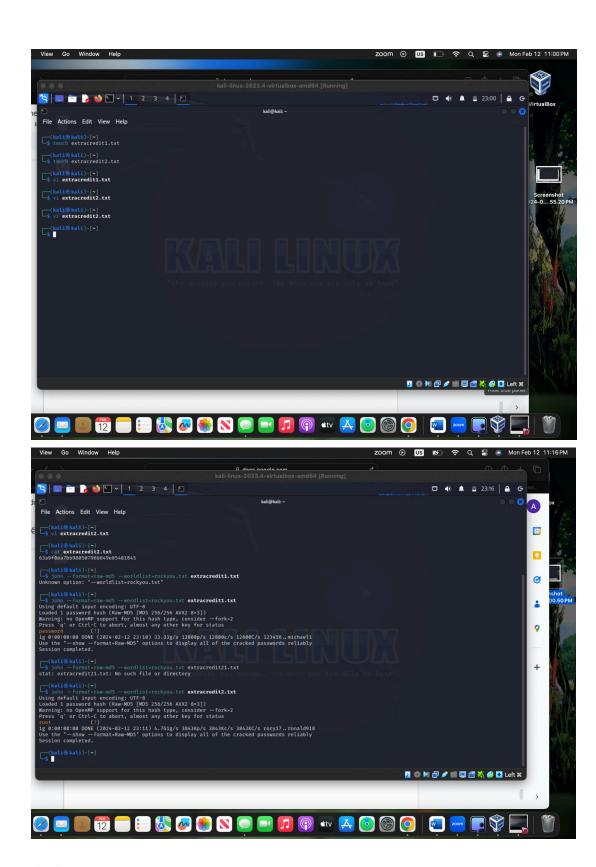
3. Keep your john the ripper cracking for 10 minutes. How many passwords have been successfully cracked? [30 points]



Extra credit (10 points):

- 1. Find and use the proper format in John the ripper to crack the following MD5 hash. Show your steps and results.
- 5f4dcc3b5aa765d61d8327deb882cf99
- 63a9f0ea7bb98050796b649e85481845





citation:

https://www.youtube.com/watch?v=h cxbMuHAfE