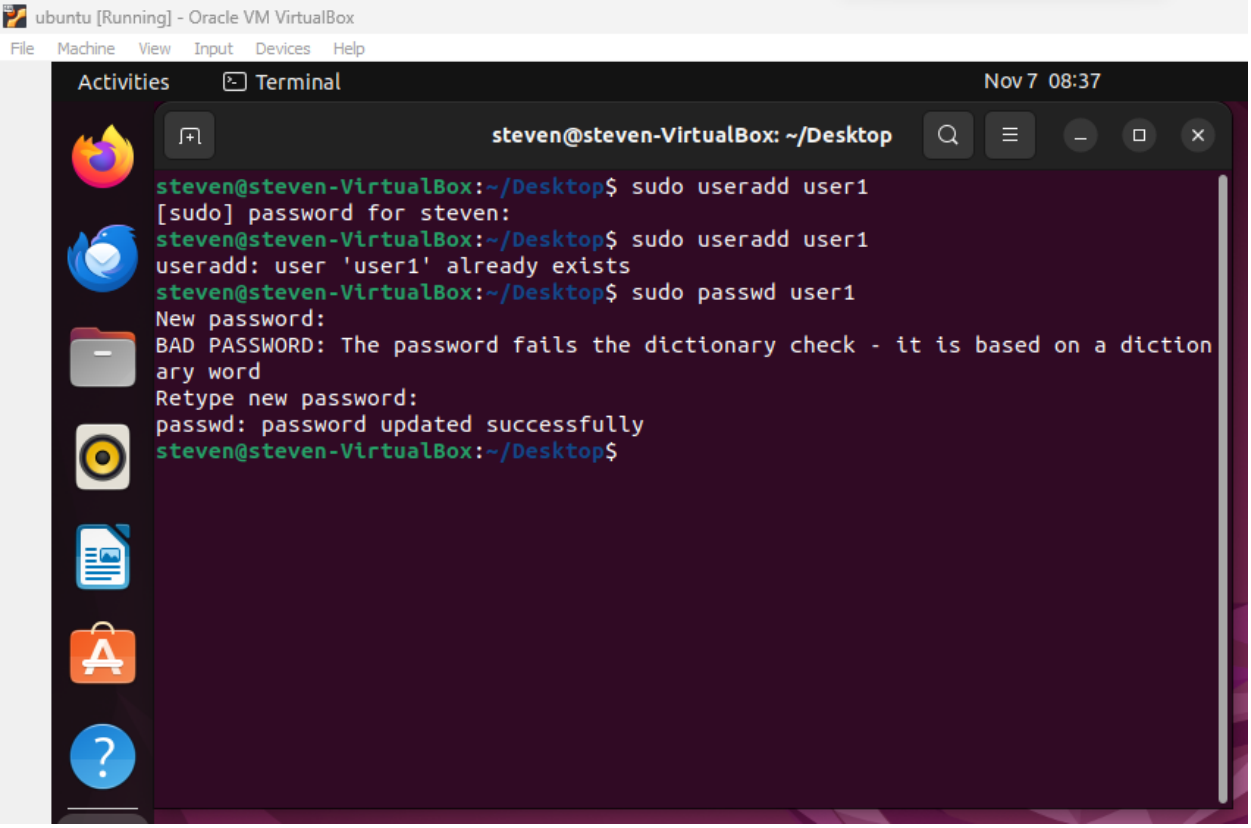
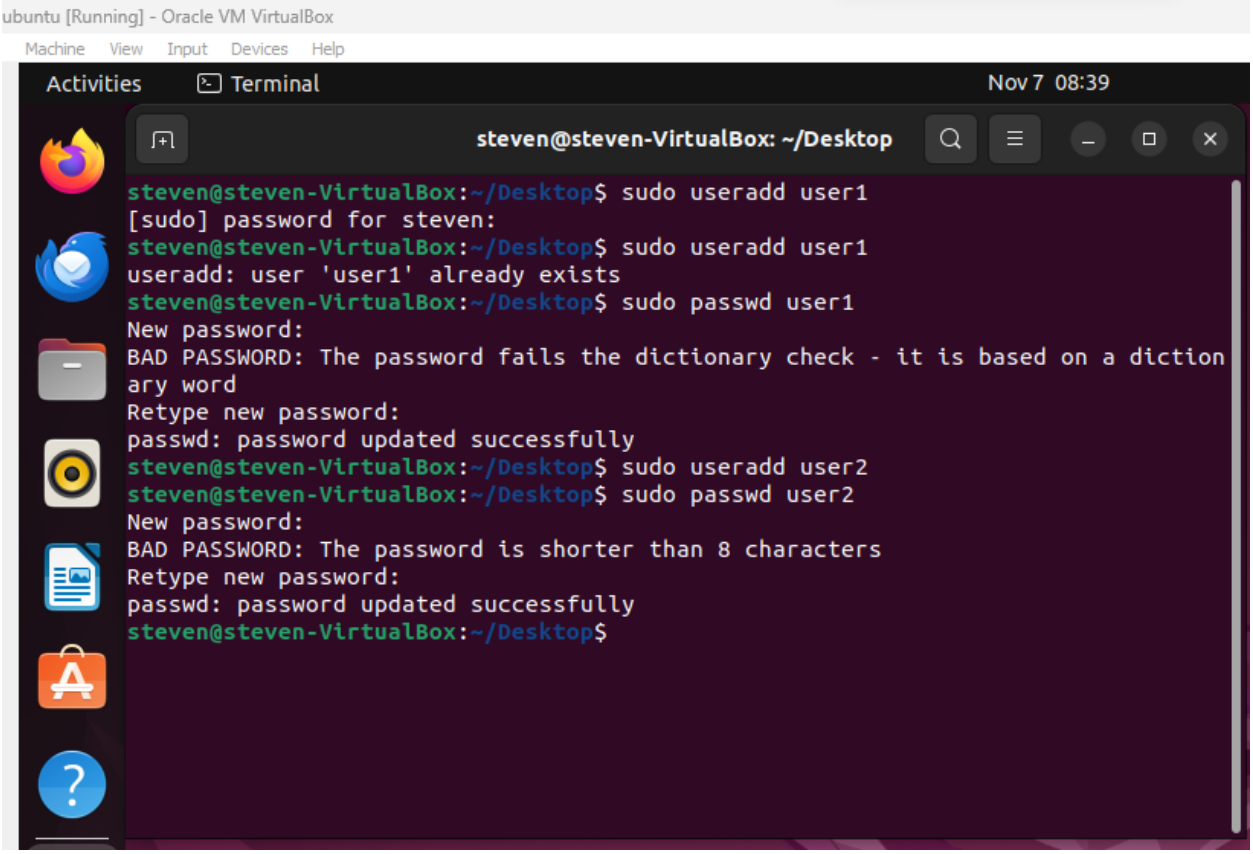
Task A – Password Cracking

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]

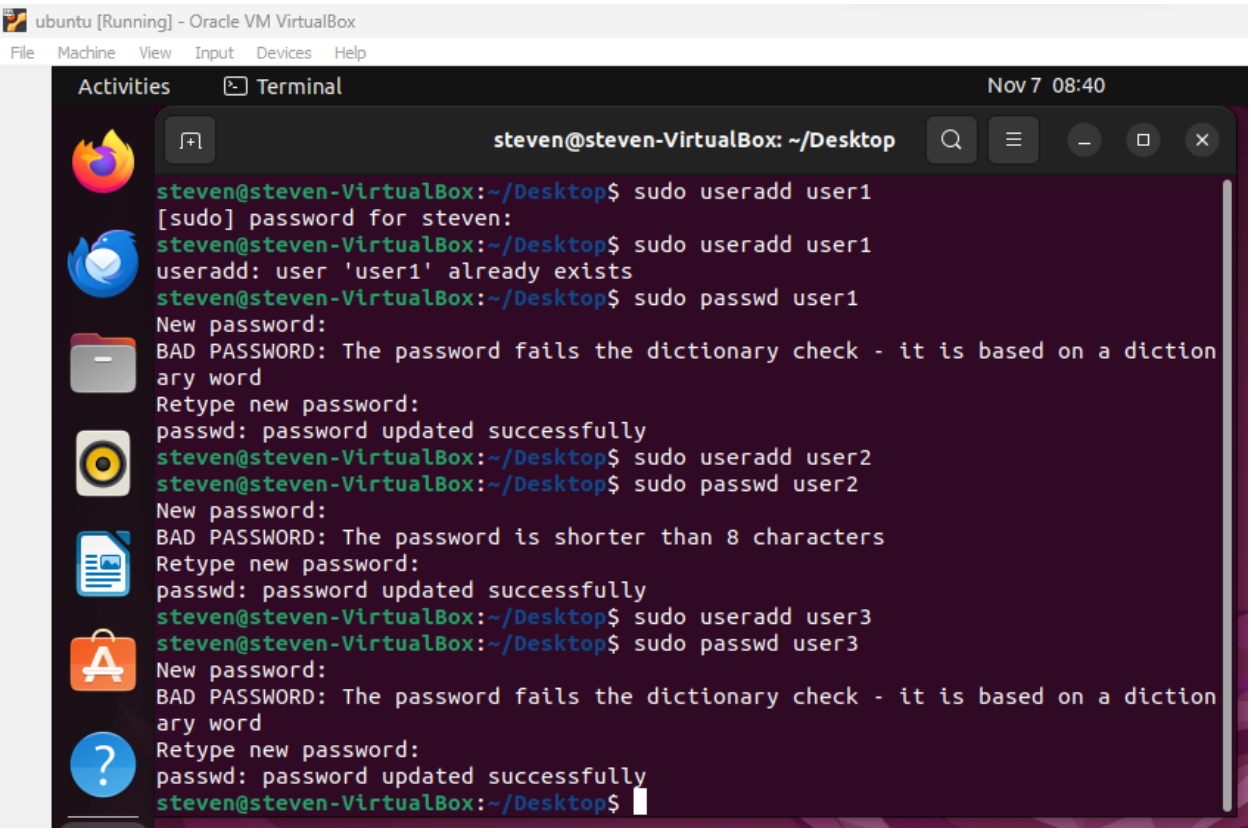
1. For user1, the password should be a simple dictionary word (all lowercase) (password = terminal)



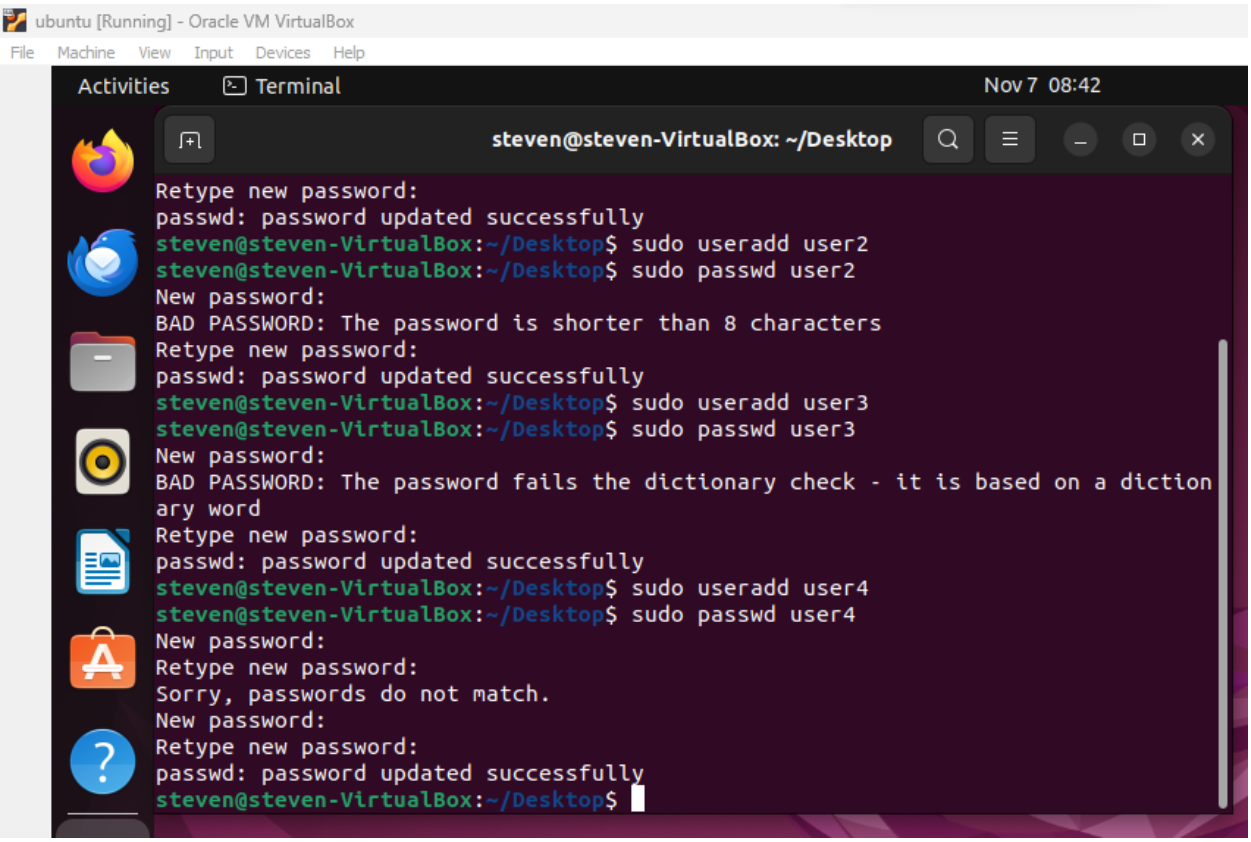
2. For user2, the password should consist of 4-character digits (2345)



3. For user3, the password should consist of a simple dictionary word of any length (all lowercase) + digits (capital123)

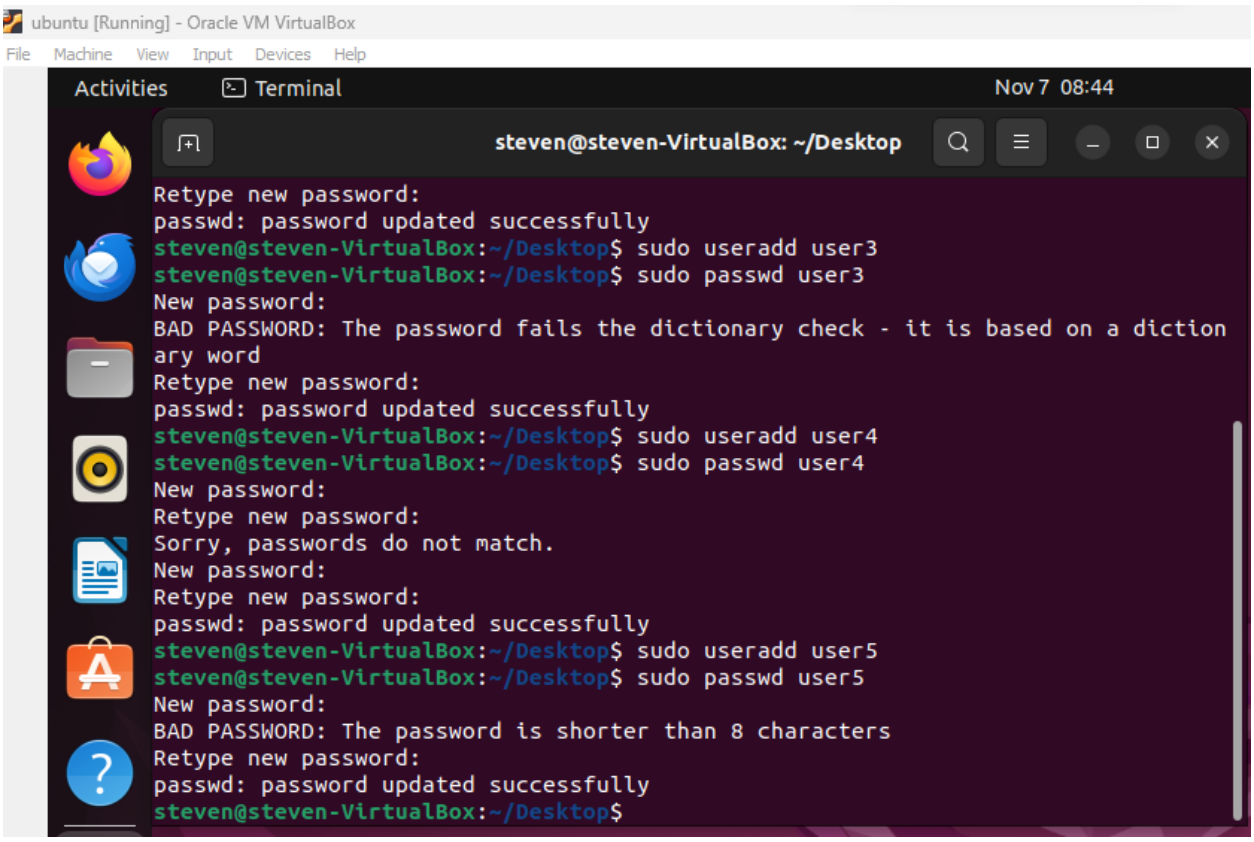


4. For user4, the password should consist of a simple dictionary word (all lowercase) + digits +symbols (final123!)

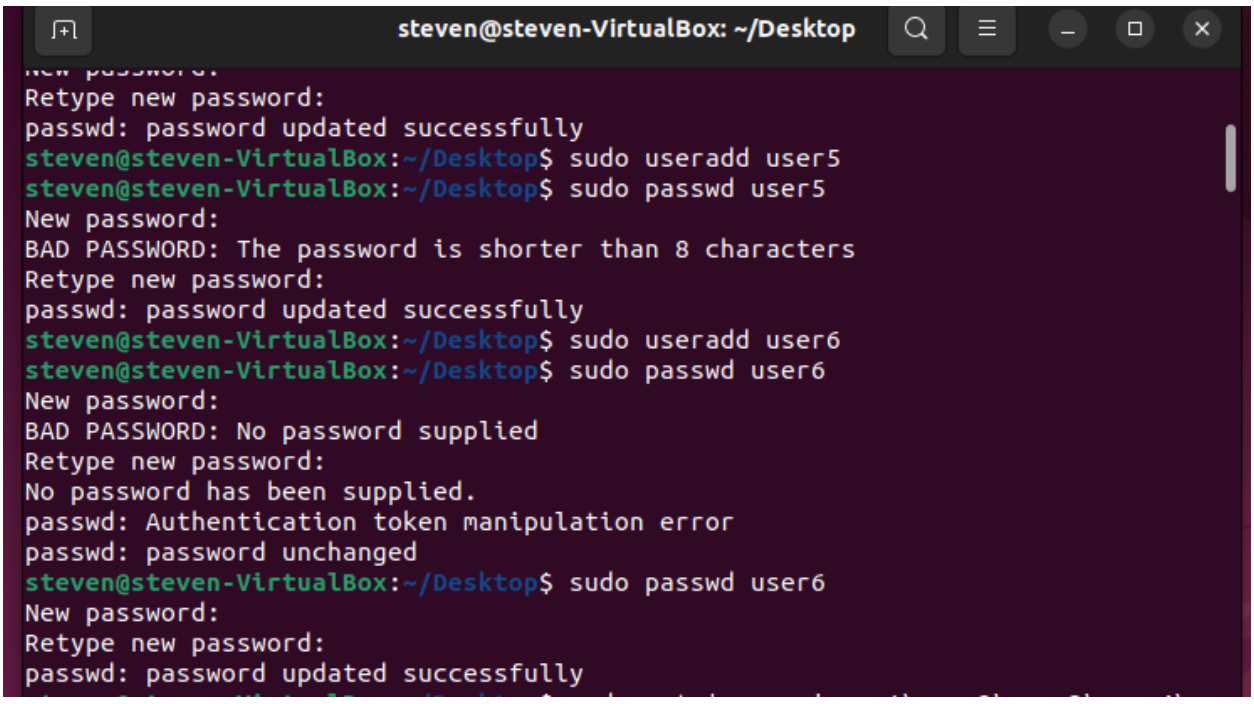


5. For user5, the password should consist of a simple dictionary word (all lowercase) + digits

(hat123)

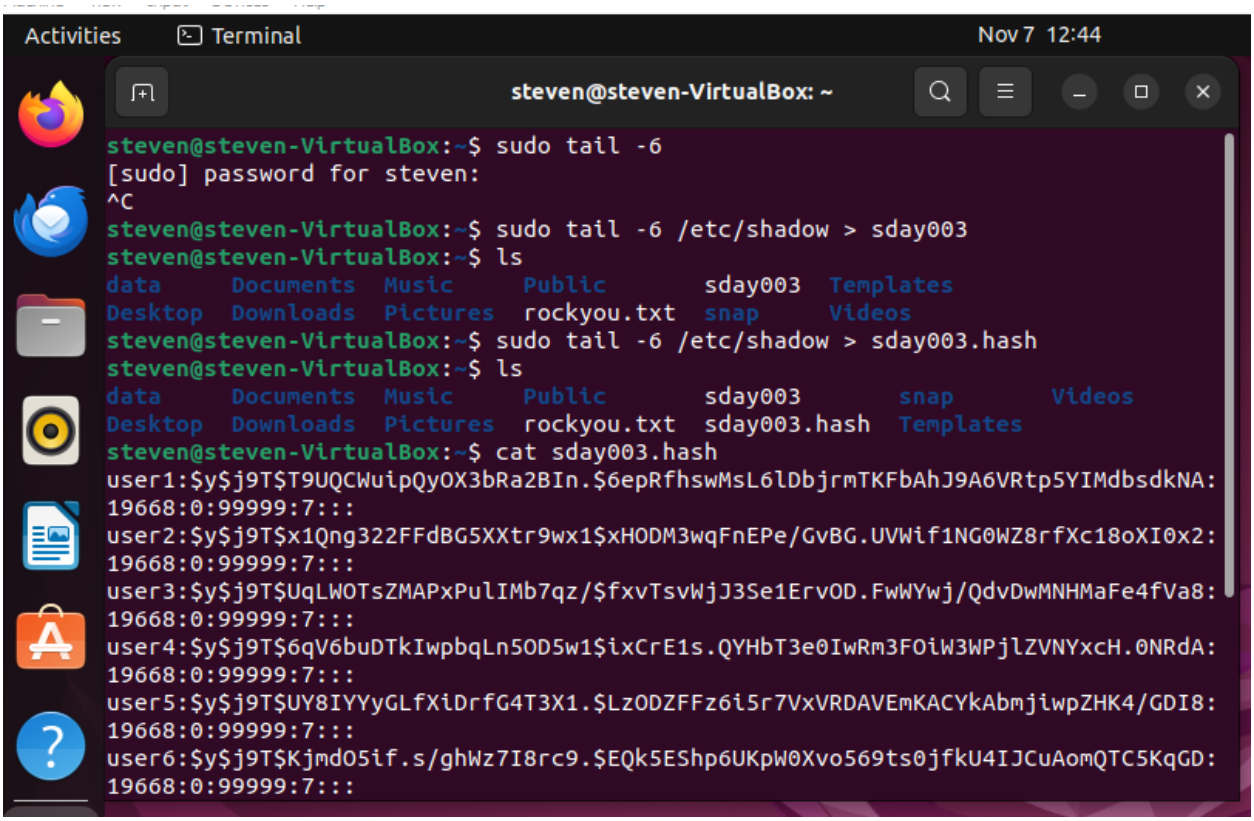


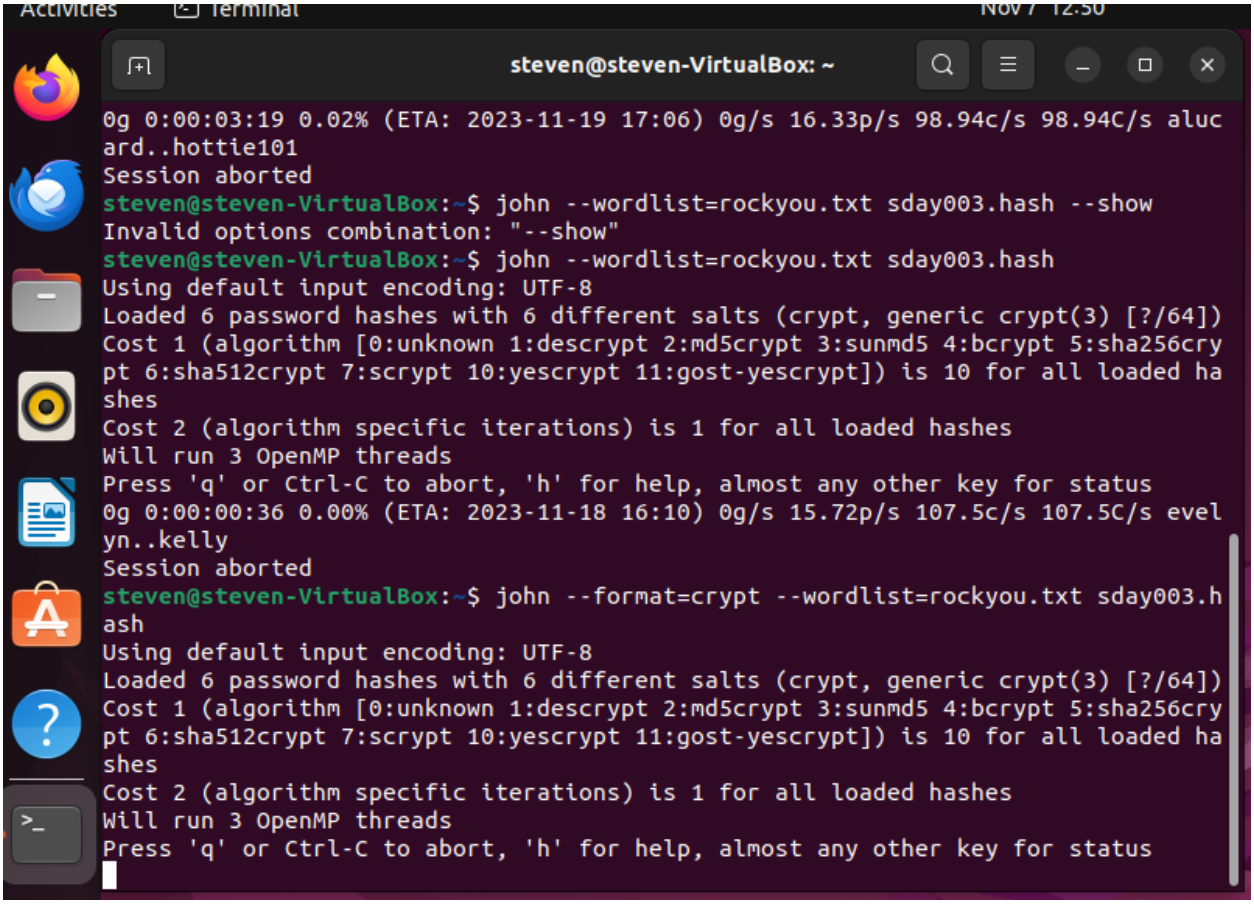
6. For user6, the password should consist of a simple dictionary word (with a combination of lower and upper case) + digits +symbols (TrAnSfOrM4444!)



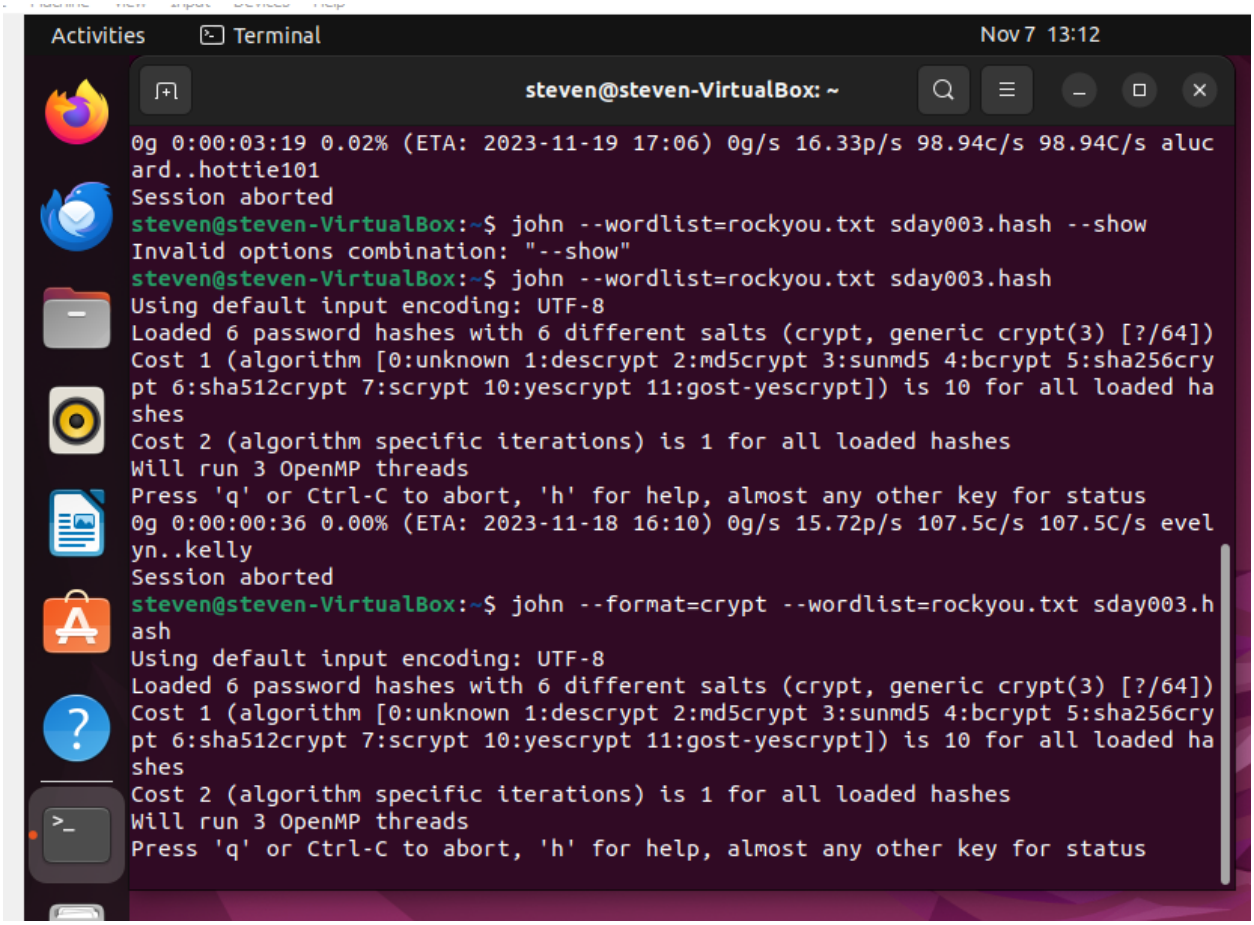
Remember, do not use the passwords for your real-world accounts.

2. Export above users' hashes into a file named xxx.hash (replace xxx with your MIDAS) 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? None



[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.

These are hard and couldn't figure them out. Would love a walk through to understand this information.

5f4dcc3b5aa765d61d8327deb882cf99

63a9f0ea7bb98050796b649e85481845