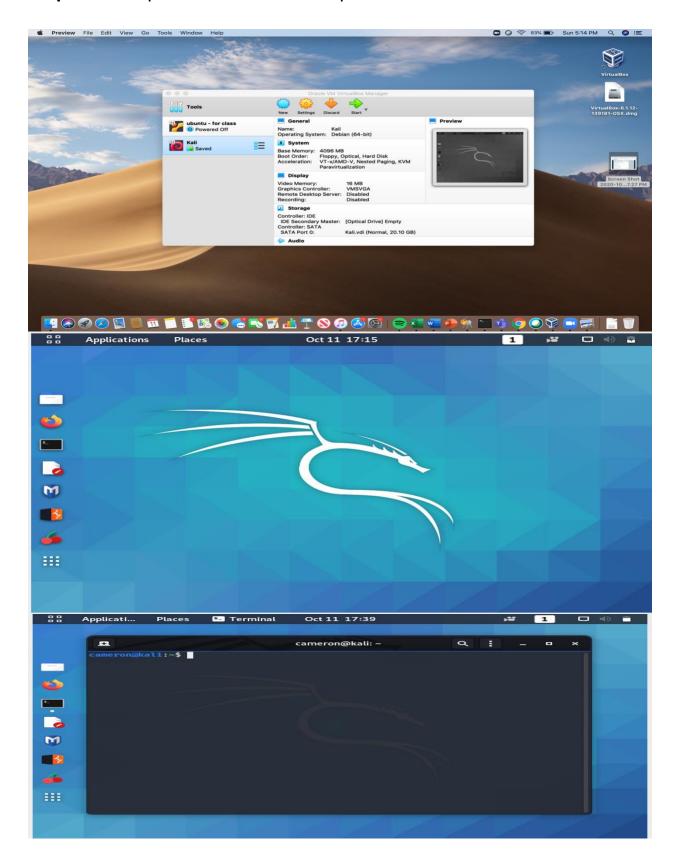
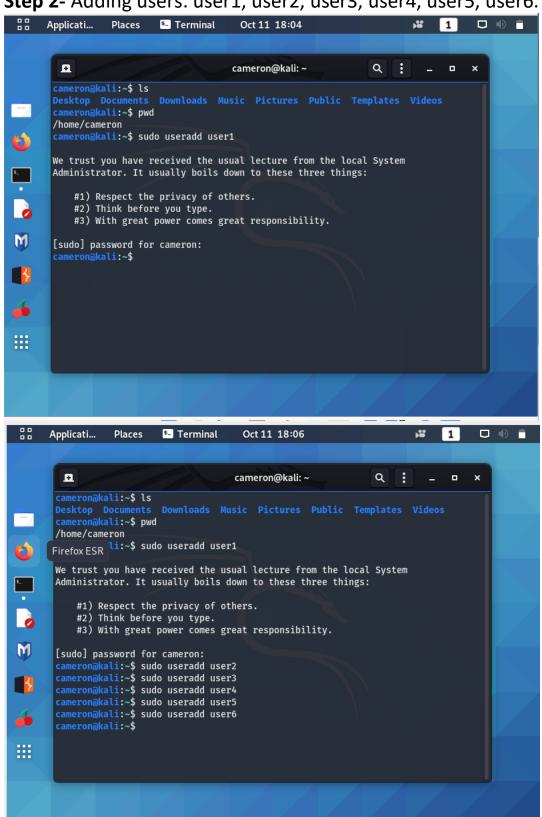
OLD DOMINION UNIVERSITY CYSE 270 LINUX SYSTEM FOR CYBERSECURITY Assignment #6 Task A – Password Cracking Cameron Stegura

01160817

Step 1- I set up a kali linux vm and opened a terminal window.



Step 2- Adding users: user1, user2, user3, user4, user5, user6.



Step 3- I wrote down passwords for the users.

User1 - circle

User2 - circle123

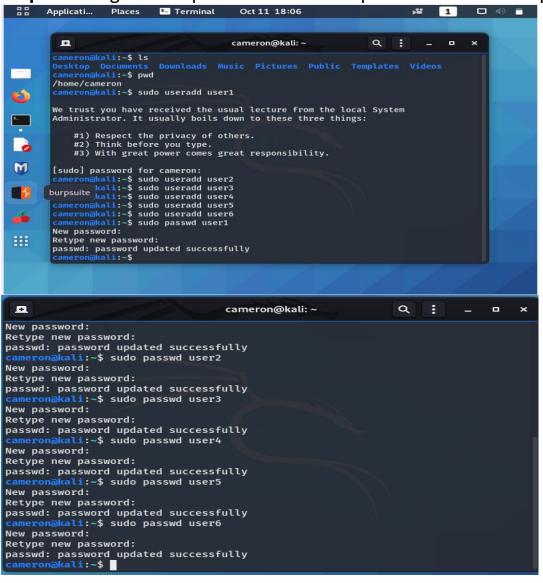
User3 - apple!

User4 - banana567

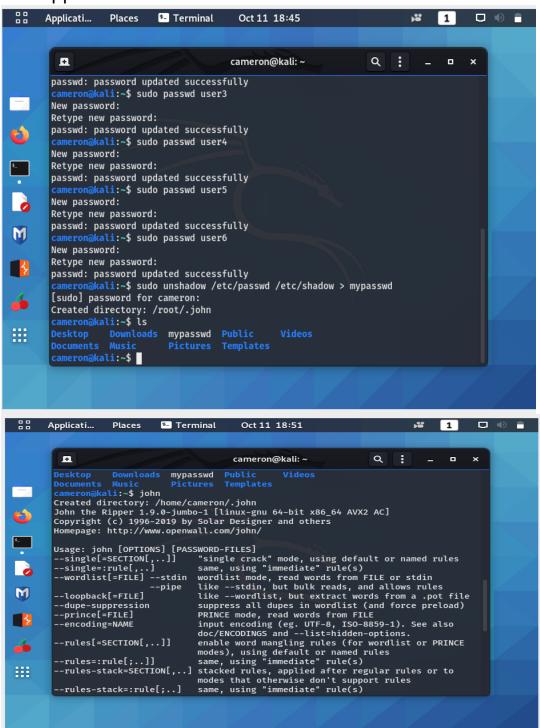
User5 – square\$

User6 – straw159!

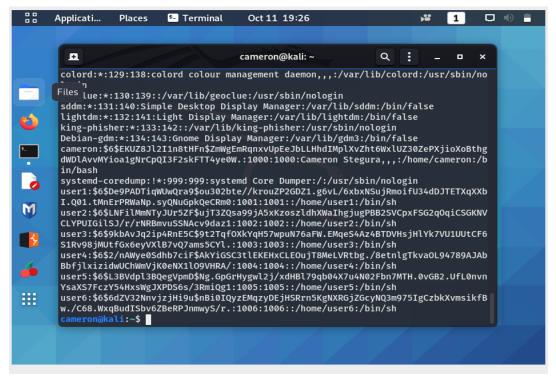
Step 4- I assigned the passwords from step 3 to users from step 2.



Step 5- I encrypted the passwords and then cracked them using John the Ripper.



In this picture I saw what John could do.



This picture shows the hashed passwords.

```
cameron@kali:~$ cd /usr/share/wordlists/
cameron@kali:/usr/share/wordlists$ ls
dirb fasttrack.txt metasploit rockyou.txt.gz
dirbuster fern-wifi nmap.lst wfuzz
cameron@kali:/usr/share/wordlists$ sudo gunzip rockyou.txt.gz
[sudo] password for cameron:
cameron@kali:/usr/share/wordlists$ ls
dirb fasttrack.txt metasploit rockyou.txt
dirbuster fern-wifi nmap.lst wfuzz
cameron@kali:/usr/share/wordlists$
```

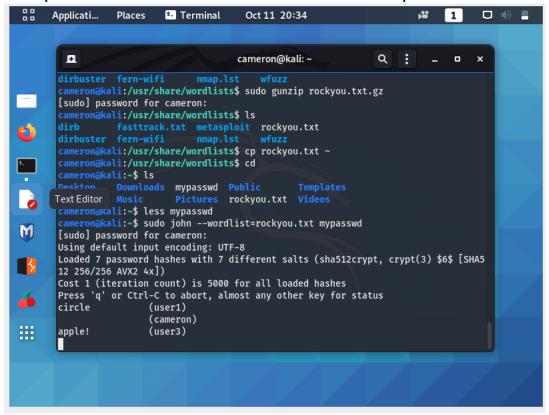
I was unzipping the rockyou.txt file.

```
cameron@kali:~$ cd /usr/share/wordlists/
cameron@kali:/usr/share/wordlists$ ls
dirb fasttrack.txt metasploit rockyou.txt.gz
dirbuster fern-wifi nmap.lst wfuzz
cameron@kali:/usr/share/wordlists$ sudo gunzip rockyou.txt.gz
[sudo] password for cameron:
cameron@kali:/usr/share/wordlists$ ls
dirb fasttrack.txt metasploit rockyou.txt
dirbuster fern-wifi nmap.lst wfuzz
cameron@kali:/usr/share/wordlists$ cp rockyou.txt ~
cameron@kali:/usr/share/wordlists$ cd
cameron@kali:/usr/share/wordlists$ cd
cameron@kali:~$ ls
Desktop Downloads mypasswd Public Templates
Documents Music Pictures rockyou.txt Videos
cameron@kali:~$
```

This picture I was copying the rockyou.txt file into the home directory.

```
dirbuster fern-wifi nmap.lst wfuzz
cameron@kali:/usr/share/wordlists$ sudo gunzip rockyou.txt.gz
[sudo] password for cameron:
cameron@kali:/usr/share/wordlists$ ls
dirb fasttrack.txt metasploit rockyou.txt
dirbuster fern-wifi nmap.lst wfuzz
cameron@kali:/usr/share/wordlists$ cp rockyou.txt ~
cameron@kali:/usr/share/wordlists$ cd
cameron@kali:/usr/share/wordlists$ cd
cameron@kali:~$ ls
Desktop Downloads mypasswd Public Templates
Documents Music Pictures rockyou.txt Videos
cameron@kali:~$ less mypasswd
cameron@kali:~$ sudo john --wordlist=rockyou.txt mypasswd
```

This picture shows the command to crack the passwords.



I am about to end the process in this picture.

Step 6- THE RESULTS – it was only able to crack the password for user1 (the password is circle) and user3 (the password is apple!).

