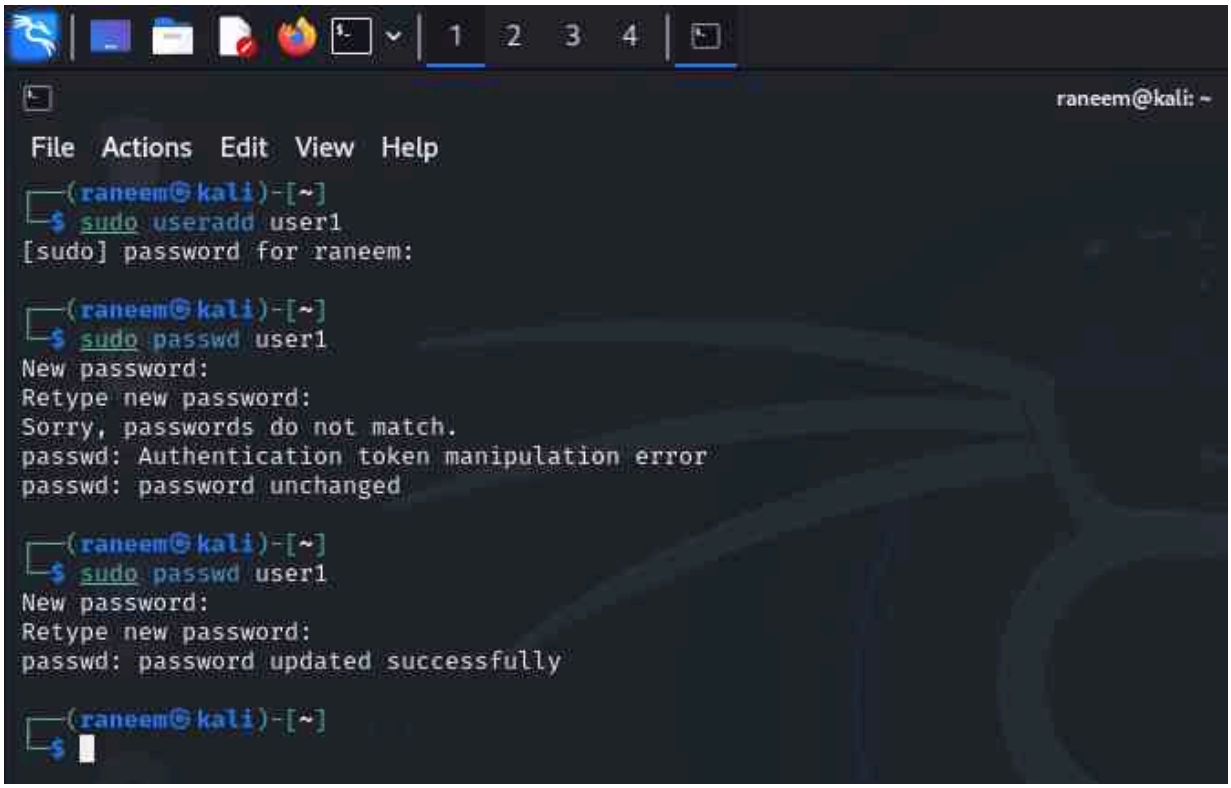
TASK A – Password Cracking

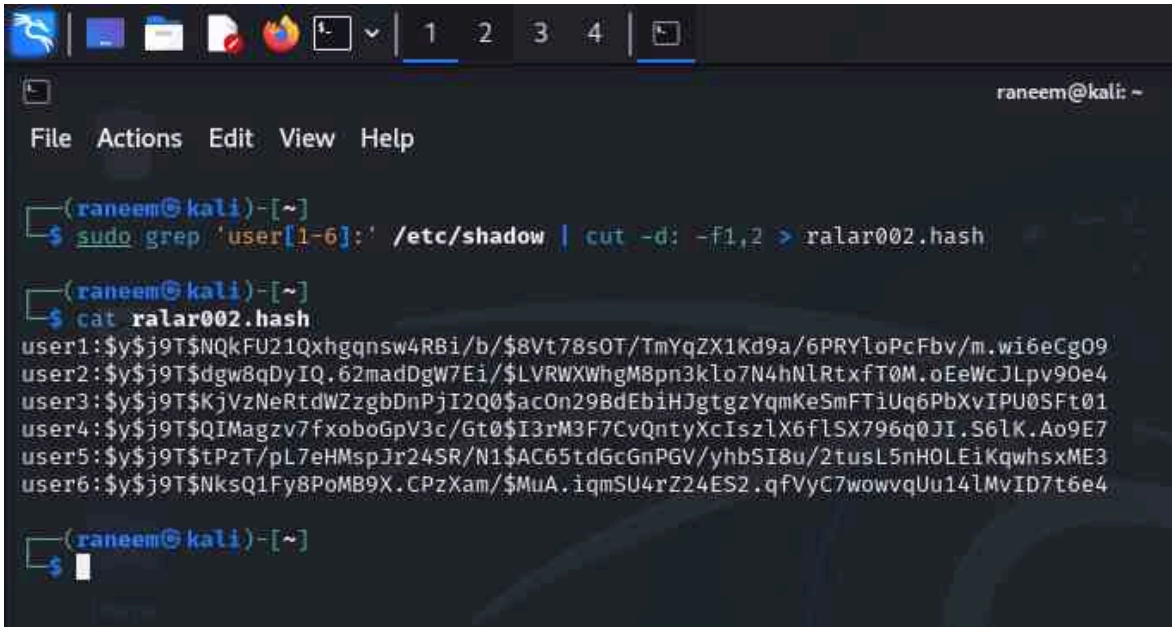
Step 1: Create 6 users in your Linux Terminal, then set the password for each user that meets the following complexity requirement respectively. You should list the passwords created for each user

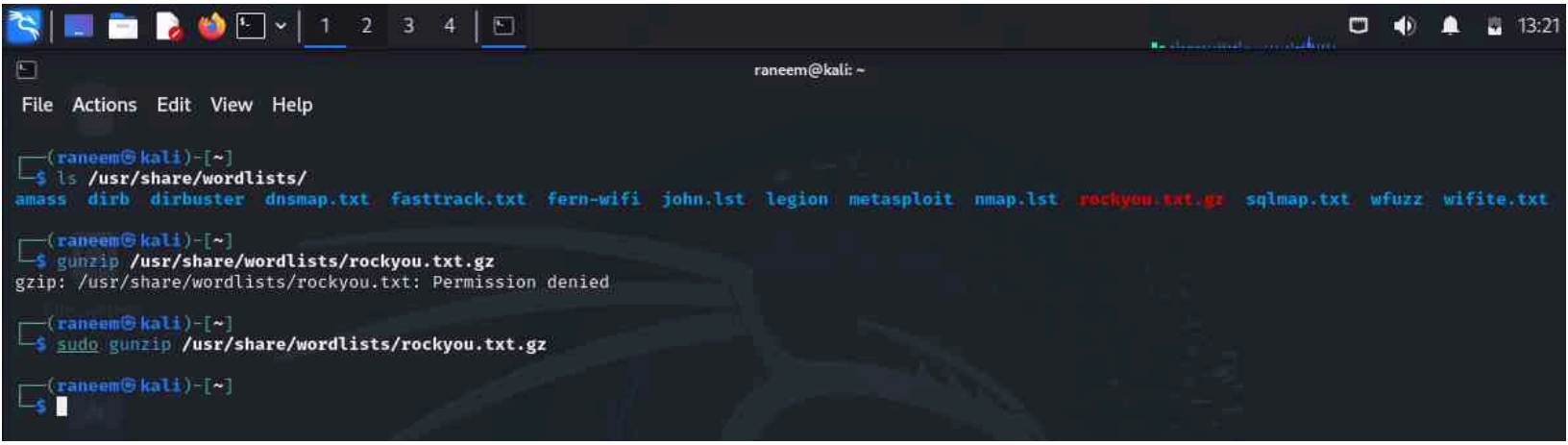
1. For user1, the password should be a simple dictionary word (all lowercase)
    - **Password created:** apple
2. For user2, the password should consist of 4 digits
    - **Password created:** 5678
3. For user3, the password should consist of a simple dictionary word of any length characters (all lowercase) + digits
    - **Password created:** flowers987
4. For user4, the password should consist of a simple dictionary word characters (all lowercase) + digits + symbols
    - **Password created:** flowers123!@
5. For user5, the password should consist of a simple dictionary word (all lowercase) + digits
    - **Password created:** strawberry45
6. For user6, the password should consist of a simple dictionary word (with a combination of lower and upper case) + digits + symbols
    - **Password created:** Ge0rg!a7#

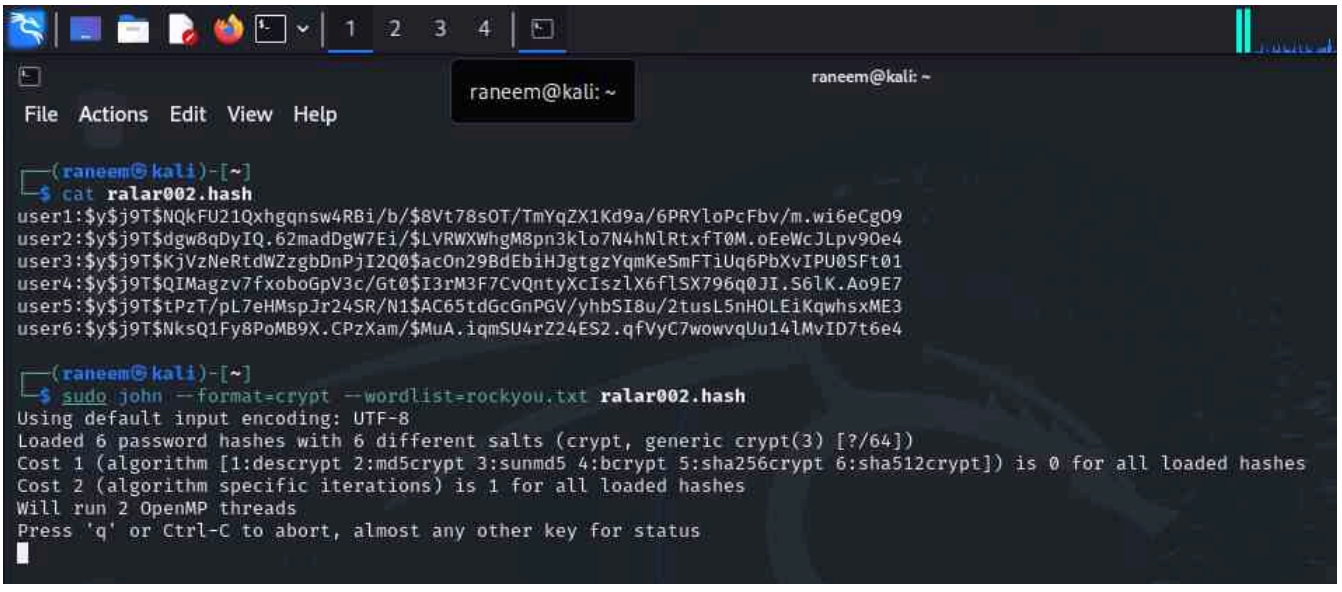



1 2 3 4
raneem@kali: ~
File Actions Edit View Help
┌──(raneem㉿kali)-[~]
└─$ sudo useradd user2
┌──(raneem㉿kali)-[~]
└─$ sudo passwd user2
New password:
Retype new password:
passwd: password updated successfully
┌──(raneem㉿kali)-[~]
└─$ sudo useradd user3
┌──(raneem㉿kali)-[~]
└─$ sudo passwd user3
New password:
Retype new password:
passwd: password updated successfully
┌──(raneem㉿kali)-[~]
└─$ sudo useradd user4
┌──(raneem㉿kali)-[~]
└─$ sudo passwd user4
New password:
Retype new password:
passwd: password updated successfully
┌──(raneem㉿kali)-[~]
└─$ sudo useradd user5
┌──(raneem㉿kali)-[~]
└─$ sudo passwd user5
New password:
Retype new password:
passwd: password updated successfully
┌──(raneem㉿kali)-[~]
└─$ sudo useradd user6
┌──(raneem㉿kali)-[~]
└─$ sudo passwd user6
New password:
Retype new password:
passwd: password updated successfully
┌──(raneem㉿kali)-[~]
└─$

Step 2: Export/save 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)







Step 3: Keep your John the Ripper cracking for 10 minutes. How many passwords have been successfully cracked?