Sean Gordon

CprE 431

Module 3 Lab

1. a. Hash type = 6 = SHA512

b. Salt val = xgLS35S6

c. **Passwords: -------------------**

Admin1: P@ssw0rd

User1: trustno1

User2: basketball

User3: pokemon

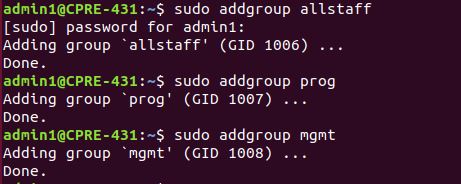
User4: batman

User5: qwerty12345

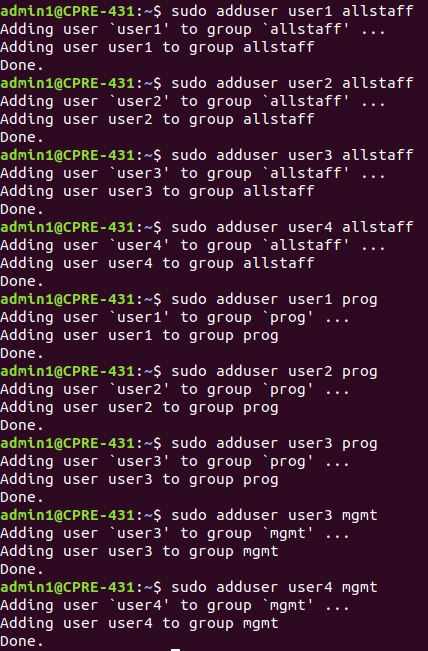
Using the script below:

|  |
| --- |
| #!/bin/bash filename="100k-most-used-passwords-NIST.txt"  realHash="\$6\$xgLS35S6\$2UjEq.dUhICPw9zgDVJXcQYQp/9ilLPQt/8Zgu0uwngI5mVvB1eKQG9SnVLjmOOfkB4Jjb5VSAXGXjY4Cf5k90" salt="xgLS35S6"  dos2unix $filename #Remove carriage returns, original hashed without them  count=1 while read -r line; do  val="$(openssl passwd -6 -salt $salt $line)"  echo "$count : $val" | cat -v    if (test $val = $realHash); then  echo "Correct Password: $line"  break; fi    count=$((count+1)) done < $filename |

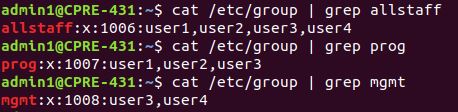
2. (a) Here is a screenshot of the commands to add all 3 groups



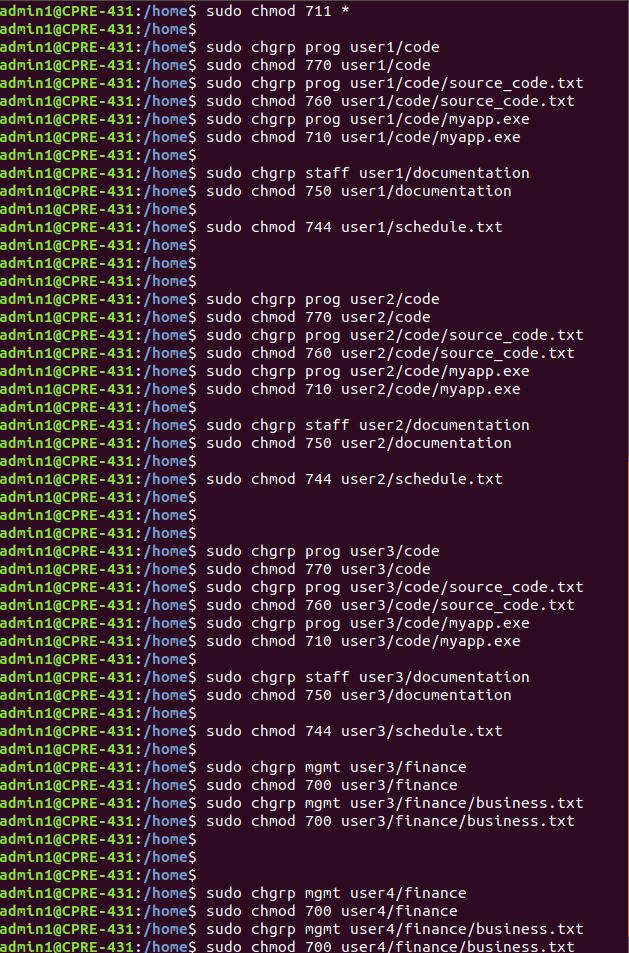
The users were then added to the group



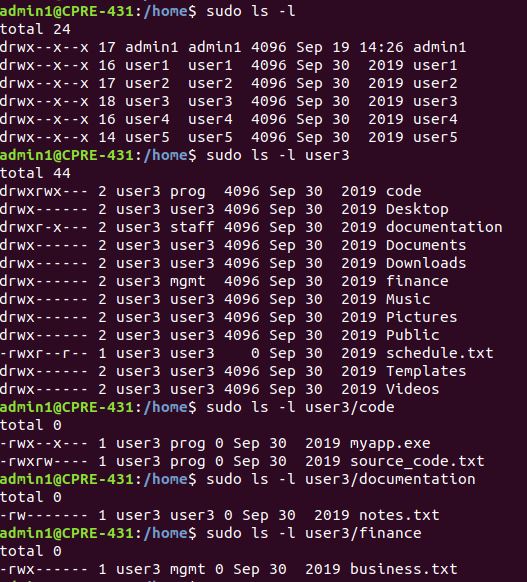
And are listed here



(b) Here the permissions were changed per file



With the resulting permissions appearing below



Here some testing is done to ensure permissions are correct

