

## LAB-4

1.

```
[yyzvenkata@toronto3267 ~]$ sudo grep root /etc/passwd /etc/shadow
/etc/passwd:root:x:0:0:root:/root:/bin/bash
/etc/passwd:operator:x:11:0:operator:/root:/sbin/nologin
/etc/shadow:root:$6$qYmQTS4ed5k0Jzy$.AS50gy03MLeqvhi1QQhl8EZIDByCsyp/51cWymCsXaIpeUgPhS4ovkWzdfjkZaZR4Az4A89M/oPs1fSDG2gu.:19398:0:99999:7:::
[yyzvenkata@toronto3267 ~]$ sudo grep ip /etc/passwd /etc/shadow
/etc/passwd:piewire:x:995:991:PipeWire System Daemon:/var/run/piewire:/sbin/nologin
/etc/shadow:piewire:!!:19216::::::::
/etc/shadow:ahmedk:$6$VDW7UPQWq6fvPSip$JfZeLBl81ISb.islly3sIUUTSJMA9.LMH8FE4rbU8MKu8yBzhjLprMS6kF40C1N8H03GeBg0DGAPbP1QDjwHx0:19398:0:99999:7:::
[yyzvenkata@toronto3267 ~]$ sudo grep yyzvenkata /etc/passwd /etc/shadow
/etc/passwd:yyzvenkata:x:1001:1001:venkata:/home/yyzvenkata:/bin/bash
/etc/shadow:yyzvenkata:$6$Nx4kYLizg0A93GF2$s6hts.RrEEdZWCF1iXGngAhVGwNg6isHJAEMqJIt1MPYZHI2rlkFBEoeGXzQ2l6k7PXumreYdFuxUnKEBSP2/:19370:0:99999:7:::
[yyzvenkata@toronto3267 ~]$
```

5.

a)

```
[yyzvenkata@toronto3267 ~]$ tail -15 /etc/passwd
changeme:x:1000:1000:changeme:/home/changeme:/bin/bash
yyzvenkata:x:1001:1001:venkata:/home/yyzvenkata:/bin/bash
rhuser1:x:1002:1002:Redhat User:/home/rhuser1:/bin/bash
rhuser2:x:1003:1005:Redhat User 2:/home/rhuser2:/bin/bash
rhuser3:x:1004:1003:Redhat User 3:/home/rhuser3:/bin/bash
johns:x:1005:1004:John Smith:/home/johns:/bin/bash
nancyt:x:1006:1003:Nancy Taylor:/home/nancyt:/bin/bash
preets:x:1007:1003:Preet Singh:/home/preets:/bin/bash
raymondxc:x:1008:1005:Raymond Cruz:/home/raymondxc:/bin/bash
ahmedk:x:1009:1005:Ahmed Khan:/home/ahmedk:/bin/bash
lesliel:x:1011:1004:Leslie Lee:/home/lesliel:/bin/bash
casseyj:x:1012:1006:Cassey Jones:/home/casseyj:/bin/bash
janew:x:1013:1006:Jane Williams:/home/janew:/bin/bash
janed:x:1014:1005:Jane Doe:/home/janed:/bin/bash
tomh:x:1015:1005:Tom Harry:/home/tomh:/bin/bash
```

b)

```
[yyzvenkata@toronto3267 ~]$ grep -E 'finance|tech|sales|hrd' /etc/group
finance:x:1003:johns,lesliel
sales:x:1004:rhuser2
tech:x:1005:rhuser2,rhuser3,johns
hrd:x:1006:johns
```

c)

```
[yyzvenkata@toronto3267 ~]$ sudo tail -15 /etc/shadow
[sudo] password for yyzvenkata:
changeme:$6$GtG92M02Hbyi7PMV$Qh3DnmLyVH4HJykZrJN5ELZj0Sye63A90rDR770KCJxBxB.1AFctyCX7UWRzEXjqBGwrSkpqSdNC
k5T/ActFC0::0:99999:7:::
yyzvenkata:$6$Nx4kYLizg0A93GF2$s6hts.RrEEdZWcyFliXGngAhVGwNg6isHJAEMqJit1MPYZHI2rLkFBEoeGXzQ2l6k7PXumreYd
FuxUnKEBSP2/:19370:0:99999:7:::
rhuser1::19391:0:99999:7:::
rhuser2::19391:0:99999:7:::
rhuser3::19391:0:99999:7:::
johns:$6$dVfdoLE6xoz0qTiK$5l17WaMT.0gLGkrcMqd/cXsR18Gzx.CoAhCUpgf6M5LP0CUfQKaJJ4869YCEvx6W3Yunq79lYtvZi
hRVLY50:19398:0:99999:7:::
nancyt:$6$GzQJKL1P/DQP4JVz$viCoVz0fVZsjz0Lkj5k9zwoHJlvn7ZSRQ6ytBoQzL/6vXJPJS5tDBWtTETdbphtPpD285QMLTfTnB
mPLriiA/:19398:0:99999:7:::
preets:$6$cDab3ARW.hyaQr50$VIok0zXt5YXjzpzy8hD72e7pRjDeq7hQGxe2AF1QL0y0gJda4SjCE7Ccx8MhEP6HvN49J0Cm65NfnV
cc99i931:19398:0:99999:7:::
raymondC:$6$ItwA0NW0efc608IP$Z4rwoeHpbvkZszQ9l0vPN5eSEyumVc44vGp2sE3asPXrDBn/70aLQ20hU6NxWJ8/DvD640MLs/Fg
EQZMogb8h.:19398:0:99999:7:::
ahmedk:$6$VDW7UPQWq6fvPSip$JfZeLB181ISb.islly3sIUUTSJMA9.LMH8FE4rbU8MKu8yBzhJLprMS6kF40C1N8H03GeBg0DGAPBP
lQDjwHx0:19398:0:99999:7:::
lesliel:$6$KTJQH0QimIs59Sgc$uJYxcTuRA3meY1tXBtb9tjEHA.Ry1GfChr71NQBTVL8T7XhDhI3G0KtA4XKm1qQsoN5z278PJlnEM
NgTiIspP/:19398:0:99999:7:::
casseyj:$6$HbzDnQ8BsVwckFK2$h.0pGeGuQ3ZRXPUVYrSiX/9x1Z5SzQojNEj94lfpE8uZbFinz4QpQy00VQxnc8Aw0lm2ji/Dvox7
HbX9EB5Y/:19398:0:99999:7:::
janew:$6$gqMuudC8lknVDN9y$ch68RX9yAo.1Nw3oxiNTMug6L42i0kkw07w/SacMqSny0kXncCg5i9XbAkpBjxB8ta0nbymHJceG672
Rw4yed1:19398:0:99999:7:::
janed:$6$VzvTzxP12dPhdrew$2nophwKa3UAdt9Eg95RqXaXS.0RObWnzW9aPvUUVBlN.gY6D6Dvf0iHBVYvOKN0xDNekZBKdZMvvhQi
j3vZ0e1:19398:0:99999:7:::
tomh:$6$P1kmsTQdvleGwjPK$fiRQuSPdgpToRqF8gfrUjLH85HKKkG068kkC8Mr1oDFTAc/2ZC1xxfhUjIq00v8ePK2An11hAgMNUqh
K1L8l/:19398:0:99999:7:::
```


d) e)

```
[yyzvenkata@toronto3267 ~]$ ls -l /etc/skel
total 8
-rw-r--r--. 1 root root 16 Feb 10 10:43 hrwelcome
-rw-r--r--. 1 root root 50 Feb 10 10:46 itpolicy
[yyzvenkata@toronto3267 ~]$ sudo ls -lR /home | grep -E 'hrwelcome|itpolicy'
-rw-r--r--. 1 ahmedk tech 16 Feb 10 10:43 hrwelcome
-rw-r--r--. 1 ahmedk tech 50 Feb 10 10:46 itpolicy
-rw-r--r--. 1 casseyj hrd 16 Feb 10 10:43 hrwelcome
-rw-r--r--. 1 casseyj hrd 50 Feb 10 10:46 itpolicy
-rw-r--r--. 1 janed tech 16 Feb 10 10:43 hrwelcome
-rw-r--r--. 1 janed tech 50 Feb 10 10:46 itpolicy
-rw-r--r--. 1 janew hrd 16 Feb 10 10:43 hrwelcome
-rw-r--r--. 1 janew hrd 50 Feb 10 10:46 itpolicy
-rw-r--r--. 1 johns sales 16 Feb 10 10:43 hrwelcome
-rw-r--r--. 1 johns sales 50 Feb 10 10:46 itpolicy
-rw-r--r--. 1 lesliel sales 16 Feb 10 10:43 hrwelcome
-rw-r--r--. 1 lesliel sales 50 Feb 10 10:46 itpolicy
-rw-r--r--. 1 nancyt finance 16 Feb 10 10:43 hrwelcome
-rw-r--r--. 1 nancyt finance 50 Feb 10 10:46 itpolicy
-rw-r--r--. 1 preets finance 16 Feb 10 10:43 hrwelcome
-rw-r--r--. 1 preets finance 50 Feb 10 10:46 itpolicy
-rw-r--r--. 1 raymondC tech 16 Feb 10 10:43 hrwelcome
-rw-r--r--. 1 raymondC tech 50 Feb 10 10:46 itpolicy
-rw-r--r--. 1 tomh tech 16 Feb 10 10:43 hrwelcome
-rw-r--r--. 1 tomh tech 50 Feb 10 10:46 itpolicy
```

f)


```
[yyzvenkata@toronto3267 ~]$ sudo ls -l /home
total 8
drwx-----.  3 ahmedk      tech          111 Feb 10 11:22 ahmedk
drwx-----.  3 casseyj     hrd           111 Feb 10 11:27 casseyj
drwx-----. 15 changeme    changeme     4096 Jan 19 12:57 changeme
drwx-----.  3 janed       tech          111 Feb 10 11:28 janed
drwx-----.  3 janew       hrd           111 Feb 10 11:28 janew
drwx-----.  3 johns       sales         111 Feb 10 11:08 johns
drwx-----.  3 lesliel     sales         111 Feb 10 11:25 lesliel
drwx-----.  3 nancyt      finance       111 Feb 10 11:14 nancyt
drwx-----.  3 preets      finance       111 Feb 10 11:18 preets
drwx-----.  3 raymondc    tech          111 Feb 10 11:21 raymondc
drwx-----.  4 rhuser1     rhuser1       113 Feb  3 13:00 rhuser1
drwx-----.  3 rhuser2     tech          78 Feb  3 12:39 rhuser2
drwx-----.  3 rhuser3     finance       78 Feb  3 12:44 rhuser3
drwx-----.  3 tomh        tech          111 Feb 10 11:30 tomh
drwx-----. 22 yyzvenkata  yyzvenkata   4096 Feb 16 21:36 yyzvenkata
[yyzvenkata@toronto3267 ~]$
```

g)

**Jane Doe**

Current password:

You are required to change your password immediately (administrator enforced)

**Tom Harry**

Current password:

You are required to change your password immediately (administrator enforced)

6. a)

```
[yyzvenkata@toronto3267 ~]$ sudo grep tomh /etc/passwd /etc/group /etc/shadow
/etc/passwd:tomh:x:1015:1005:Tom Harry:/home/tomh:/bin/bash
/etc/shadow:tomh:!!$6$q4sIQcht6YAr7c6Z$VXyDPG8dGaR/pWY0EebXf1BiX8/rqWdNfUksZtmNCN
Holvcn1.E07L2Pg.Lk9TAD4/RDejb.VAu2jVmXriHkC/:19405:0:99999:7::19023:
```

b)

```
[yyzvenkata@toronto3267 ~]$ sudo passwd -S tomh
tomh LK 2023-02-16 0 99999 7 -1 (Password locked.)
```

c)

```
[yyzvenkata@toronto3267 ~]$ sudo chage -l tomh
Last password change                : Feb 17, 2023
Password expires                    : never
Password inactive                   : never
Account expires                     : Jan 31, 2022
Minimum number of days between password change : 0
Maximum number of days between password change : 99999
Number of days of warning before password expires : 7
[yyzvenkata@toronto3267 ~]$
```

7)

```
[yyzvenkata@toronto3267 ~]$ sudo chage -M 30 janed
[yyzvenkata@toronto3267 ~]$ sudo chage -l janed
Last password change                : Feb 17, 2023
Password expires                    : Mar 19, 2023
Password inactive                   : never
Account expires                     : never
Minimum number of days between password change : 0
Maximum number of days between password change : 30
Number of days of warning before password expires : 7
[yyzvenkata@toronto3267 ~]$
```

```
[yyzvenkata@toronto3267 ~]$ sudo passwd -x 30 janed
Adjusting aging data for user janed.
passwd: Success
[yyzvenkata@toronto3267 ~]$ sudo passwd -S janed
janed PS 2023-02-16 0 30 7 -1 (Password set, SHA512 crypt.)
[yyzvenkata@toronto3267 ~]$
```

8)

```
[yyzvenkata@toronto3267 ~]$ id
uid=1001(yyzvenkata) gid=1001(yyzvenkata) groups=1001(yyzvenkata),10(wheel) context=unconfined_u:unconfined_r:unconfined_t:s0-s0:c0.c1023
[yyzvenkata@toronto3267 ~]$ users
yyzvenkata
```

Id gives, group id of user with user name and which group belongs to, while users just shows the current user.



9)

```
[yyzvenkata@toronto3267 ~]$ su janed
Password:
[janed@toronto3267 yyzvenkata]$ exit
exit
[yyzvenkata@toronto3267 ~]$
```

10)

sudo -l : logins to root

13)

```
File Edit View Search Terminal Help
#!/bin/bash
read -p "enter your first name : " FIRSTNAME
read -p "enter your last name : " LASTNAME
read -p "enter your humber id : " HUMBERID
echo Your First Name is : $FIRSTNAME
echo Your Last name is : $LASTNAME
echo Your Humber Id is : $HUMBERID
~
```

```
[yyzvenkata@toronto3267 ~]$ ./vedavyaslab4
enter your first name : Venkata Narasimha Vedavyas
enter your last name : Muppavarapu
enter your humber id : n01583267
Your First Name is : Venkata Narasimha Vedavyas
Your Last name is : Muppavarapu
Your Humber Id is : n01583267
[yyzvenkata@toronto3267 ~]$
```