Anjum Shams CIS-1450-NET01

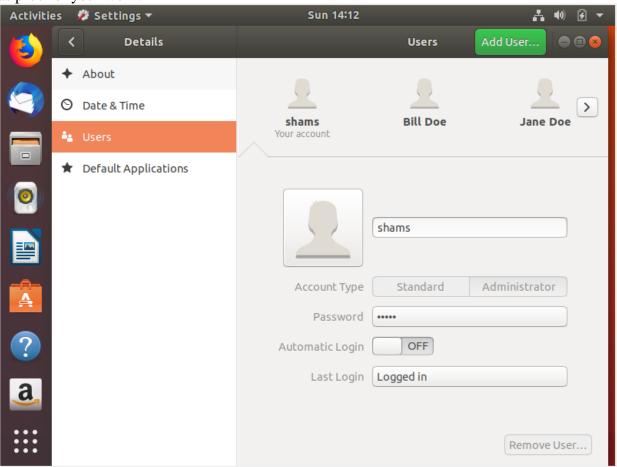
# Assignment

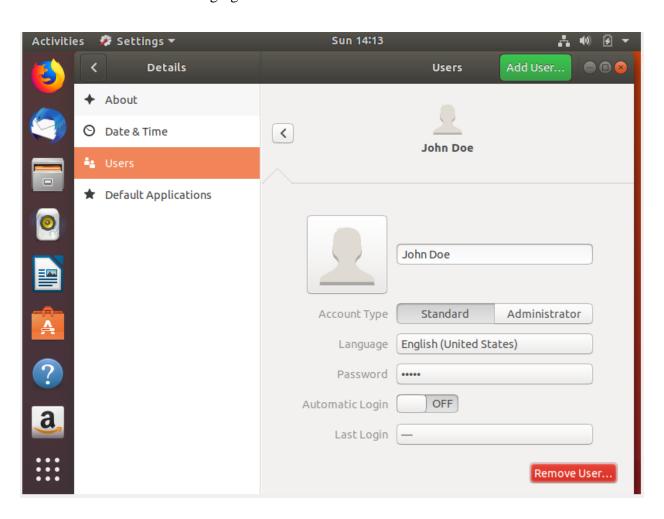
# **Activity**

In the following questions, the assumption is that you have the superuser access.

## Question

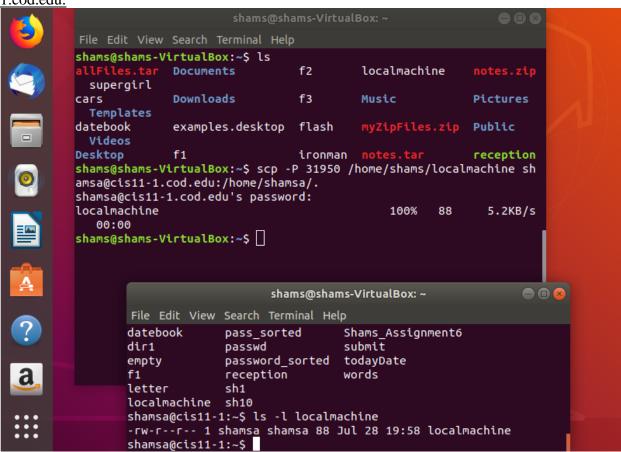
Using the Linux System Setting Icon, select User Account to create three Linux login ids for three users (make them up). Don't forget to put a password on each user. When you have completed the task, take a screenshot of the GIU display with the three ids listed on the GUI box as proof of your work.





```
colord:x:117:123:colord colour management daemon,,;/var/lib/colord:/usr/sbin/n
ologin
hplip:x:118:7:HPLIP system user,,;/var/run/hplip:/bin/false
geoclue:x:119:124::/var/lib/geoclue:/usr/sbin/nologin
gnome-initial-setup:x:120:65534::/run/gnome-initial-setup/:/bin/false
gdm:x:121:125:Gnome Display Manager:/var/lib/gdm3:/bin/false
shams:x:1000:1000:shams,,;/home/shams:/bin/bash
user1:x:1001:1001:Jane Doe,,,:/home/user1:/bin/bash
user2:x:1002:1002:John Doe,,,:/home/user2:/bin/bash
user3:x:1003:1003:Bill Doe,,,:/home/user3:/bin/bash
shams@shams-VirtualBox:~$
```

Demonstrate how to transfer/upload <u>a file from your local Linux server to server cis11-</u>1.cod.edu.

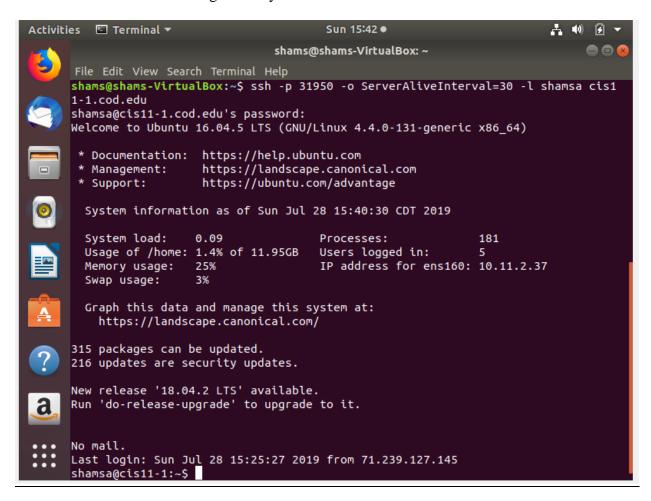


#### **Ouestion**

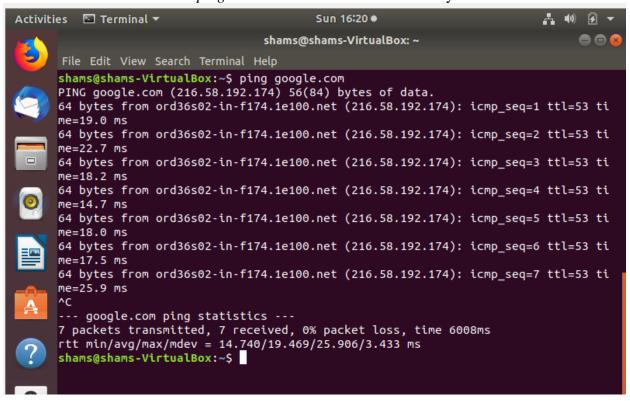
Demonstrate how to download <u>a file from server cis11-1.cod.edu to your local Linux server.</u>

```
shams@shams-VirtualBox: ~
                                                      File Edit View Search Terminal Help
shams@shams-VirtualBox:~$ scp -p 31950 shamsa@cis11-1.cod.e
du:/home/shamsa/words .
p: cannot stat '31950': No such file or directory
`Cshams@shams-VirtualBox:~$
shams@shams-VirtualBox:~$ scp -P 31950 shamsa@cis11-1.cod.e
du:/home/shamsa/words .
shamsa@cis11-1.cod.edu's password:
vords
                        100%
                                       3.6KB/s
                                                 00:00
shams@shams-VirtualBox:~$ ls -l words
rw-r--r-- 1 shams shams 66 Jul 28 22:09 words
shams@shams-VirtualBox:~$
shams@shams-VirtualBox:~$
                                                      shams@shams-VirtualBox: ~
File Edit View Search Terminal Help
shamsa@cis11-1:~$ ls -l words
rw-rw-r-- 1 shamsa shamsa 66 Jul 21 22:32 words
shamsa@cis11-1:~$
```

Demonstrate how to remote login from your local Linux server to server cis11-1.cod.edu.



Demonstrate the use of Linux ping command. Select a site to exhibit your test results.

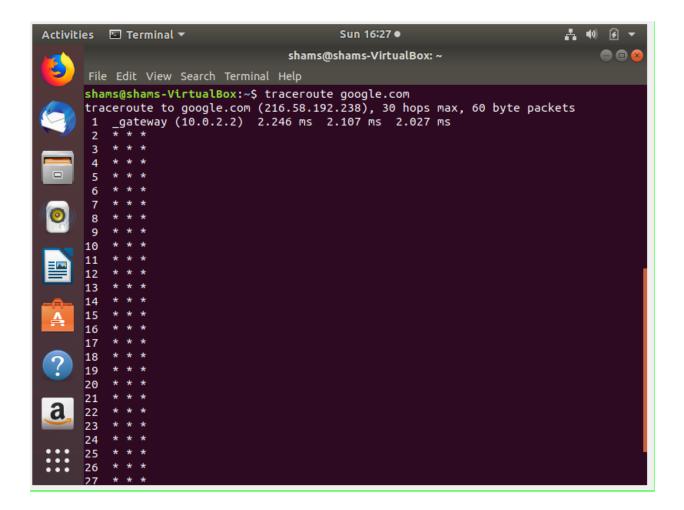


## **Question #7**

Demonstrate the use of Linux *traceroute* command. Select a site to exhibit your test result. Explain briefly what the display implies.

<u>Answer</u>: Traceroute command traces the path to the destination site. It gives the details about different routers in the path to the destination.

Note: Eventhough I installed traceroute it is not giving me the details of different routers in the path to the destination.



Using the Linux *useradd* command, add the following two users to your local server: id=ironman, owner=Robert Dowey, shell=bash id=supergirl, owner=Melissa Benoist, shell=bash
After you have completed adding the above users, execute the following command: tail -5 /etc/passwd ls /home

```
root@shams-VirtualBox:~# useradd -m ironman -c "Robert Dowe y" -s /bin/bash root@shams-VirtualBox:~# ls root@shams-VirtualBox:~# useradd -m supergirl -c "Melissa B enoist" -s /bin/bash root@shams-VirtualBox:~# tail -5 /etc/passwd user1:x:1001:1001:Jane Doe,,,:/home/user1:/bin/bash user2:x:1002:1002:John Doe,,,:/home/user2:/bin/bash user3:x:1003:1003:Bill Doe,,,:/home/user3:/bin/bash ironman:x:1004:1004:Robert Dowey:/home/ironman:/bin/bash supergirl:x:1005:1005:Melissa Benoist:/home/supergirl:/bin/bash root@shams-VirtualBox:~# ls /home
ironman shams supergirl user1 user2 user3 root@shams-VirtualBox:~#
```

### **Question**

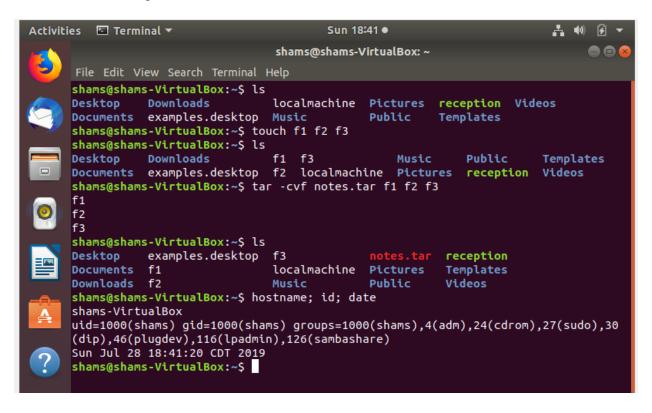
Using the Linux *userdel* command, remove user batman from your local server. After you have completed removing the user, execute the following command: tail -5 /etc/passwd

ls /home

```
root@shams-VirtualBox:~# ls /home
ironman shams supergirl user1 user2 user3
root@shams-VirtualBox:~# userdel -r ironman
userdel: ironman mail spool (/var/mail/ironman) not found
root@shams-VirtualBox:~# ls /home
shams supergirl user1 user2 user3
root@shams-VirtualBox:~# tail -5 /etc/passwd
shams:x:1000:1000:shams,,,:/home/shams:/bin/bash
user1:x:1001:1001:Jane Doe,,,:/home/user1:/bin/bash
user2:x:1002:1002:John Doe,,,:/home/user2:/bin/bash
user3:x:1003:1003:Bill Doe,,,:/home/user3:/bin/bash
supergirl:x:1005:1005:Melissa Benoist:/home/supergirl:/bin/bash
root@shams-VirtualBox:~#
```

#### **Ouestion**

Create three empty files and call them f1, f2, and f3. Using the Linux *tar* command, compress all the three files and call the compressed file notes.tar. After you have completed the above tasks, execute the following command: *hostname*; *id*; *date* 



### **Ouestion**

Using the Linux *zip* command, compress all the three files created earlier and call the compressed file notes.zip. After you have completed the above tasks, execute the following command: *hostname*; *id*; *date* 

```
shams@shams-VirtualBox:~$ zip notes.zip f1 f2 f3
  adding: f1 (stored 0%)
  adding: f2 (stored 0%)
  adding: f3 (stored 0%)
shams@shams-VirtualBox:~$ ls
Desktop
           examples.desktop f3
                                                                 Videos
                                                     Public
Documents f1
                             localmachine
                                                      reception
Downloads f2
                             Music
                                           Pictures
                                                      Templates
shams@shams-VirtualBox:~$ hostname; id; date
shams-VirtualBox
uid=1000(shams) gid=1000(shams) groups=1000(shams),4(adm),24(cdrom),27(sudo),30
(dip),46(plugdev),116(lpadmin),126(sambashare)
Sun Jul 28 18:43:12 CDT 2019
shams@shams-VirtualBox:~$
```

### **Ouestion**

On the cis11-1.cod.edu server, there exist two files called *allFiles.tar* and *myZipFiles.zip* that are located under directory /home/sheik. You are required to download these two files into your local Linux server using the *scp* command.

Demonstrate how you would uncompress these two files. After you have completed uncompressing them, execute the following command: *hostname*; *id*; *date* 

```
shams@shams-VirtualBox:~$ scp -P 31950 shamsa@cis11-1.cod.edu:/home/shamsa/allF
iles.tar .
shamsa@cis11-1.cod.edu's password:
allFiles.tar
             100% 10KB 536.1KB/s
shams@shams-VirtualBox:~$ scp -P 31950 shamsa@cis11-1.cod.edu:/home/shamsa/myZi
pFiles.zip .
shamsa@cis11-1.cod.edu's password:
myZipFiles.zip 100% 1655
                                      96.6KB/s
                                                 00:00
shams@shams-VirtualBox:~$ ls
                               myZipFiles.zip reception notes.tar Templates notes.zip Videos
                  f1
Desktop
                  f2
                  f3
Documents
                  localmachine Pictures
Downloads
examples.desktop Music
                                Public
shams@shams-VirtualBox:~$ tar -xvf allFiles.tar
supergirl
ironman
flash
shams@shams-VirtualBox:~$ unzip myZipFiles.zip
Archive: myZipFiles.zip
  inflating: cars
  inflating: datebook
shams@shams-VirtualBox:~$ ls
```

```
shams@shams-VirtualBox:~$ tar -xvf allFiles.tar
supergirl
ironman
shams@shams-VirtualBox:~$ unzip myZipFiles.zip
Archive: myZipFiles.zip
 inflating: cars
 inflating: datebook
shams@shams-VirtualBox:~$ ls
illFiles.tar examples.desktop localmachine
                                                   Public
              f1
                                  Music
                                                   reception
cars
                                 myZipFiles.zip supergirl notes.tar Templates videos
datebook
             f2
Desktop f3
Documents flash
Downloads ironman
                                  Pictures
shams@shams-VirtualBox:~$ hostname; id; date
shams-VirtualBox
uid=1000(shams) gid=1000(shams) groups=1000(shams),4(adm),24(cdrom),27(sudo),30
(dip),46(plugdev),116(lpadmin),126(sambashare)
Sun Jul 28 19:49:41 CDT 2019
shams@shams-VirtualBox:~$
```

In the Learning Module video, the instructor has demonstrated three different Linux commands to reboot your Linux server. What are the three commands? Write the complete commands to reboot the server.

<u>Answer</u>: shutdown -r now reboot init 6