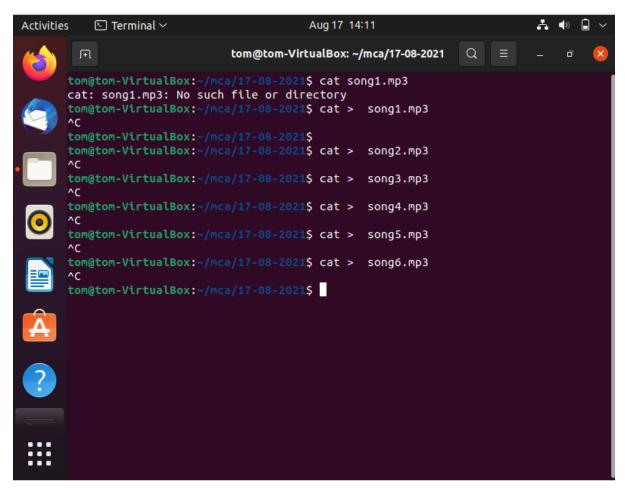
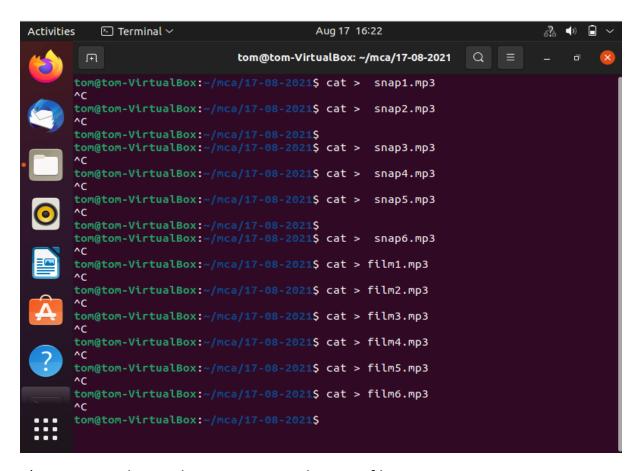
# Assignment-5

## Managing Files, Creating Users and Groups Using Commandline tools

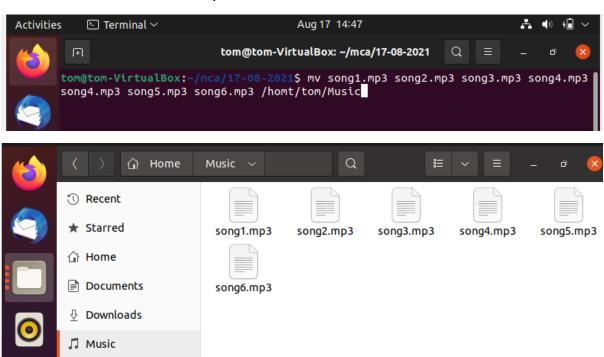
- 1). a. Create six files with name of the form songX.mp3
  - b. Create six files with name of the form snapX.mp3
  - c. Create six files with name of the form filmX.mp3

(In each set, replace X with the numbers 1 through 6)





2). From your home directory, move the song files into your music subdirectory, the snapshot files into your pictures subdirectory, and the movie files into videos subdirectory.

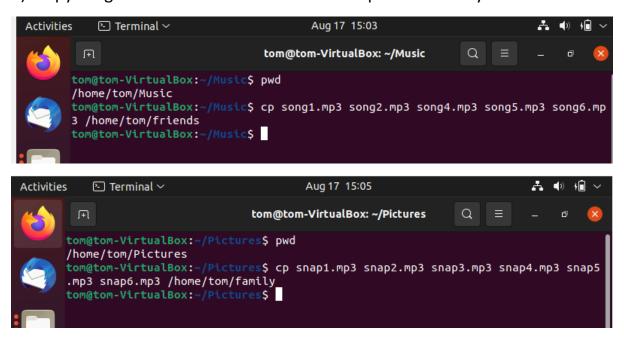


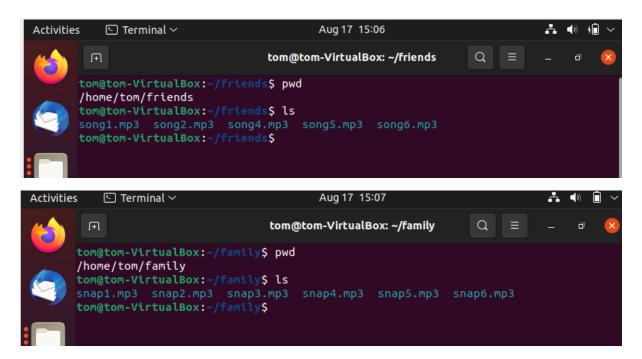


3). In your home directory, create three subdirectories for organizing your files. Call these directories friends, family, and work. Create all three with one command.



4). Copy song files to the friends folder and snap files to family folder.





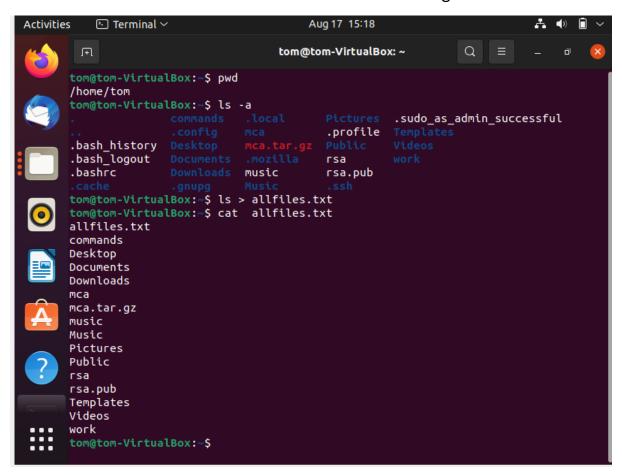
5). Attempt to delete both family and friends projects with a single rmdir command.



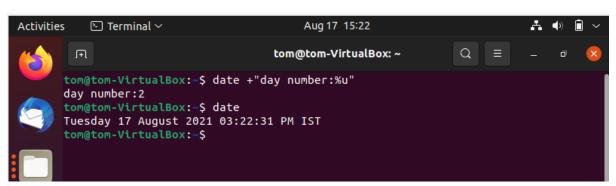
6). Use another command that will succeed in deleting both the family and friends folder.



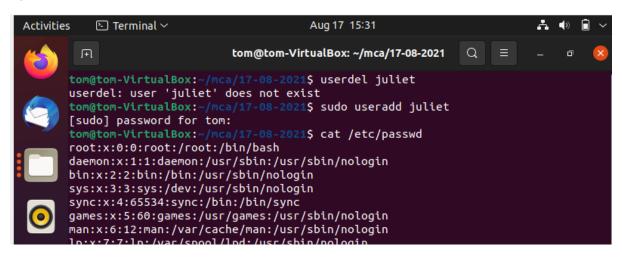
7). Redirect a long listing of all home directory files, including hidden, into a file named allfiles.txt. Confirm that the file contains the listing.



8). In the command window, display today's date with day of the week, month, date and year



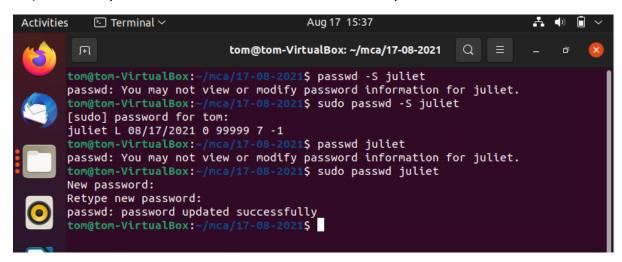
#### 9). Add the user Juliet



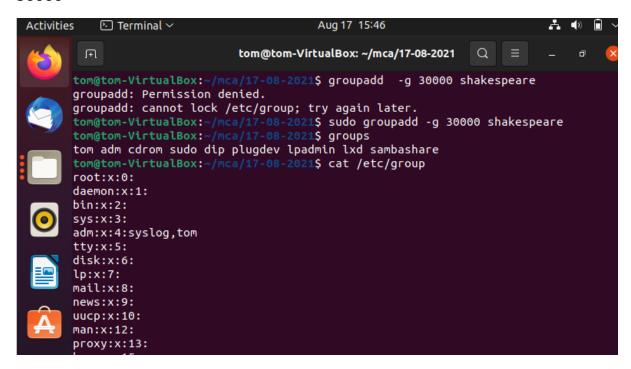
#### 10). Confirm that Juliet has been added by examining the /etc/passwd file

```
colord:x:121:127:colord colour management daemon,,,:/var/lib/colord:/usr/sbin/n
ologin
geoclue:x:122:128::/var/lib/geoclue:/usr/sbin/nologin
pulse:x:123:129:PulseAudio daemon,,,:/var/run/pulse:/usr/sbin/nologin
hplip:x:124:7:HPLIP system user,,,:/run/hplip:/bin/false
gnome-initial-setup:x:125:65534::/run/gnome-initial-setup/:/bin/false
gdm:x:126:131:Gnome Display Manager:/var/lib/gdm3:/bin/false
tom:x:1000:1000:tom joseph,,,:/home/tom:/bin/bash
systemd-coredump:x:999:999:systemd Core Dumper:/:/usr/sbin/nologin
anna:x:2000:1001::/home/anna:/bin/sh
mysql:x:127:134:MySQL Server,,,:/nonexistent:/bin/false
juliet:x:2001:2001::/home/juliet:/bin/sh
tom@tom-VirtualBox:~/mca/17-08-2021$
```

### 11). Use the passwd command to initialize Juliet's password



12). Create a supplementary group called Shakespeare with a group id of 30000

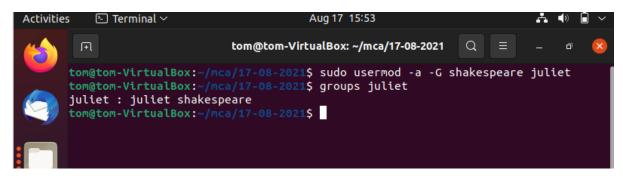


13). Create a supplementary group called artists.

```
shakespeare:x:30000:
tom@tom-VirtualBox:~/mca/17-08-2021$ sudo groupadd artists
tom@tom-VirtualBox:~/mca/17-08-2021$ cat /etc/group
root:x:0:
```

14). Confirm that Shakespeare and artists have been added by examining the /etc/group file.

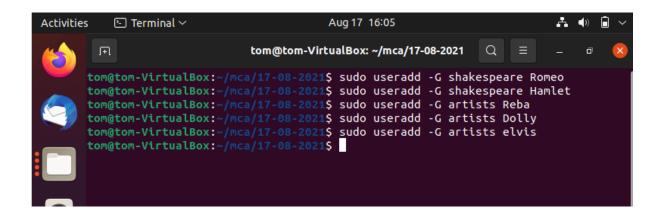
15). Add the Juliet user to the Shakespeare group as a supplementary group.



16). Confirm that Juliet has been added using the id command.

```
tom@tom-VirtualBox:~/mca/17-08-2021$ id juliet
uid=2007(juliet) gid=2007(juliet) groups=2007(juliet),30000(shakespeare)
tom@tom-VirtualBox:~/mca/17-08-2021$
```

- 17). Add Romeo and Hamlet to the Shakespeare group.
- 18). Add Reba, Dolly and Elvis to the artists group.



19). Verify the supplemental group memberships by examining the /etc/group file

```
systemd-coredump:x:999:
anna:x:1001:
new_group:x:1002:
tree:x:1003:
mysql:x:134:
juliet:x:2001:
shakespeare:x:30000:juliet,Romeo,Hamlet
artists:x:30001:Reba,Dolly,elvis
Romeo:x:2002:
Hamlet:x:2003:
Reba:x:2004:
Dolly:x:2005:
elvis:x:2006:
tom@tom-VirtualBox:~/mca/17-08-2021$
```

20). Attempt to remove user Dolly.



```
anna:x:1001:
new_group:x:1002:
tree:x:1003:
mysql:x:134:
juliet:x:2001:
shakespeare:x:30000:juliet,Romeo,Hamlet
artists:x:30001:Reba,elvis
Romeo:x:2002:
Hamlet:x:2003:
Reba:x:2004:
elvis:x:2006:
tom@tom-VirtualBox:~/mca/17-08-2021$
```