

Experiment 1

Use the touch command to create sets of empty practice files to use during this lab. In each set replace, replace X with the numbers 1 through 6. Create six files with names of the form songX.mp3, snapX.jpg and filmX.avi. Create three subdirectories for organizing your files and name the subdirectories friends, family and work. Use a single command to create all three subdirectories at the same time.

Approach- Use the touch command with brace expansion to create the files and the mkdir command with space-separated names to create the directories.

```
ubuntu@ubuntu :~/Desktop$ mkdir Family Friends Work
ubuntu@ubuntu :~/Desktop$ touch Family/snap{1..6}.jpg Family/song{1..6}.mp3 Family/film{1..6}.avi
ubuntu@ubuntu :~/Desktop$ touch Friends/snap{1..6}.jpg Friends/song{1..6}.mp3 Friends/film{1..6}.avi
ubuntu@ubuntu :~/Desktop$ touch Work/snap{1..6}.jpg Work/song{1..6}.mp3 Work/film{1..6}.avi
ubuntu@ubuntu :~/Desktop$
```

```
vboxuser@ubuntu: ~/Desktop/Linux$ cd Work
vboxuser@ubuntu: ~/Desktop/Linux$ Work$ ls
film1.avi film3.avi film5.avi snap1.jpg snap3.jpg snap5.jpg song1.mp3 song3.mp3 song5.mp3
film2.avi film4.avi film6.avi snap2.jpg snap4.jpg snap6.jpg song2.mp3 song4.mp3 song6.mp3
vboxuser@ubuntu: ~/Desktop/Work$ cd ..
vboxuser@ubuntu: ~/Desktop$ cd Family
vboxuser@ubuntu: ~/Desktop/Family$ ls
film1.avi film3.avi film5.avi snap1.jpg snap3.jpg snap5.jpg song1.mp3 song3.mp3 song5.mp3
film2.avi film4.avi film6.avi snap2.jpg snap4.jpg snap6.jpg song2.mp3 song4.mp3 song6.mp3
vboxuser@ubuntu: ~/Desktop/Family$ cd ..
vboxuser@ubuntu: ~/Desktop$ cd Friends
vboxuser@ubuntu: ~/Desktop/Friends$ ls
film1.avi film3.avi film5.avi snap1.jpg snap3.jpg snap5.jpg song1.mp3 song3.mp3 song5.mp3
film2.avi film4.avi film6.avi snap2.jpg snap4.jpg snap6.jpg song2.mp3 song4.mp3 song6.mp3
vboxuser@ubuntu: ~/Desktop/Friends$
```

commands used:

touch song{1..6}.mp3 snap{1..6}.jpg film{1..6}.avi mkdir family friends work