Lab 3 Managing files and directories

Question 1: Creating directories

```
miguel@miguel-VirtualBox:~$ pwd
/home/miguel
miguel@miguel-VirtualBox:~$ mkdir movies
miguel@miguel-VirtualBox:~$ cd movies
miguel@miguel-VirtualBox:~/movies$ mdir action, romance, adventure, animated, scifi
Can't open /dev/fd0: No such file or directory
Cannot initialize 'A:'
Can't open /dev/fd0: No such file or directory
Cannot initialize 'A:'
Can't open /dev/fd0: No such file or directory
Cannot initialize 'A:'
Can't open /dev/fd0: No such file or directory
Cannot initialize 'A:'
Can't open /dev/fd0: No such file or directory
Cannot initialize 'A:'
miguel@miguel-VirtualBox:~/movies$ mdir action,romance,adventure,animated,scifi
Can't open /dev/fd0: No such file or directory
Cannot initialize 'A:'
miguel@miguel-VirtualBox:~/movies$ cd..
cd..: command not found
miguel@miguel-VirtualBox:~/movies$ cd ../
miguel@miguel-VirtualBox:~$ mkdir movies/{action,romance,adventure,animated,scifi}
miguel@miguel-VirtualBox:~$ cd movies
miguel@miguel-VirtualBox:~/movies$ ls
action  adventure  animated  romance  scifi
miguel@miguel-VirtualBox:~/movies$ cd ../
miguel@miguel-VirtualBox:~$ cd /
miguel@miguel-VirtualBox:/$ mkdir ~/movies/action/2020 ~/movies/adventure/2020 ~/movies/animated/2020 ~/movies/romance/2020 ~/movies/scifi/2020
miguel@miguel-VirtualBox:/$ cd movies
bash: cd: movies: No such file or directory
miguel@miguel-VirtualBox:/$ cd
miguel@miguel-VirtualBox:~$ cd movies
miguel@miguel-VirtualBox:~/movies$ tree
.
├── action
│   └── 2020
├── adventure
│   └── 2020
├── animated
│   └── 2020
├── romance
│   └── 2020
└── scifi
    └── 2020
```

Question 2: Creating files

```
miguel@miguel-VirtualBox:/$ cd ~/movies/
miguel@miguel-VirtualBox:~/movies$ touch {action,adventure,animated,romance,scifi}/moviesList.txt
miguel@miguel-VirtualBox:~/movies$ cd /
miguel@miguel-VirtualBox:/$ touch ~/movies/{action,adventure,animated,romance,scifi}/new.doc
miguel@miguel-VirtualBox:/$ touch ~/movies/{action,adventure,animated,romance,scifi}/old.pdf
```

```
miguel@miguel-VirtualBox:/$ ls -lgicR ~/movies/
/home/miguel/movies/:
total 20
1187647 drwxrwxr-x 3 miguel 4096 Nov 11 21:58 action
1326790 drwxrwxr-x 3 miguel 4096 Nov 11 21:58 adventure
1578118 drwxrwxr-x 3 miguel 4096 Nov 11 21:58 animated
1326789 drwxrwxr-x 3 miguel 4096 Nov 11 21:58 romance
1578123 drwxrwxr-x 3 miguel 4096 Nov 11 21:58 scifi

/home/miguel/movies/action:
total 4
1578124 drwxrwxr-x 2 miguel 4096 Nov 11 21:43 2020
1187648 -rw-rw-r-- 1 miguel    0 Nov 11 21:56 moviesList.txt
1187650 -rw-rw-r-- 1 miguel    0 Nov 11 21:57 new.doc
1187651 -rw-rw-r-- 1 miguel    0 Nov 11 21:58 old.pdf

/home/miguel/movies/action/2020:
total 0

/home/miguel/movies/adventure:
total 4
1578125 drwxrwxr-x 2 miguel 4096 Nov 11 21:43 2020
1326794 -rw-rw-r-- 1 miguel    0 Nov 11 21:56 moviesList.txt
1326796 -rw-rw-r-- 1 miguel    0 Nov 11 21:57 new.doc
1326798 -rw-rw-r-- 1 miguel    0 Nov 11 21:58 old.pdf

/home/miguel/movies/adventure/2020:
total 0

/home/miguel/movies/animated:
total 4
1578126 drwxrwxr-x 2 miguel 4096 Nov 11 21:43 2020
1575295 -rw-rw-r-- 1 miguel    0 Nov 11 21:56 moviesList.txt
1578144 -rw-rw-r-- 1 miguel    0 Nov 11 21:57 new.doc
1578146 -rw-rw-r-- 1 miguel    0 Nov 11 21:58 old.pdf

/home/miguel/movies/animated/2020:
total 0

/home/miguel/movies/romance:
total 4
1578127 drwxrwxr-x 2 miguel 4096 Nov 11 21:43 2020
1326795 -rw-rw-r-- 1 miguel    0 Nov 11 21:56 moviesList.txt
1326797 -rw-rw-r-- 1 miguel    0 Nov 11 21:57 new.doc
1326799 -rw-rw-r-- 1 miguel    0 Nov 11 21:58 old.pdf
```

```
/home/miguel/movies/romance:
total 4
1578127 drwxrwxr-x 2 miguel 4096 Nov 11 21:43 2020
1326795 -rw-rw-r-- 1 miguel    0 Nov 11 21:56 moviesList.txt
1326797 -rw-rw-r-- 1 miguel    0 Nov 11 21:57 new.doc
1326799 -rw-rw-r-- 1 miguel    0 Nov 11 21:58 old.pdf

/home/miguel/movies/romance/2020:
total 0

/home/miguel/movies/scifi:
total 4
1578128 drwxrwxr-x 2 miguel 4096 Nov 11 21:43 2020
1578143 -rw-rw-r-- 1 miguel    0 Nov 11 21:56 moviesList.txt
1578145 -rw-rw-r-- 1 miguel    0 Nov 11 21:57 new.doc
1578147 -rw-rw-r-- 1 miguel    0 Nov 11 21:58 old.pdf

/home/miguel/movies/scifi/2020:
```

Question 3: Removing files

```
miguel@miguel-VirtualBox:/$ cd ~/usr/share/
bash: cd: /home/miguel/usr/share/: No such file or directory
miguel@miguel-VirtualBox:/$ cd ~/movies
miguel@miguel-VirtualBox:~/movies$ cd /usr/share/
miguel@miguel-VirtualBox:/usr/share$ rm ~/movies/{action,adventure,animated,romance,scifi}/new.doc
miguel@miguel-VirtualBox:/usr/share$ rm ~/movies/{action,adventure,animated,romance,scifi}/old.pdf
miguel@miguel-VirtualBox:/usr/share$ tree ~/movies/
/home/miguel/movies/
├── action
│   ├── 2020
│   └── moviesList.txt
├── adventure
│   ├── 2020
│   └── moviesList.txt
├── animated
│   ├── 2020
│   └── moviesList.txt
├── romance
│   ├── 2020
│   └── moviesList.txt
└── scifi
    ├── 2020
    └── moviesList.txt

10 directories, 5 files
miguel@miguel-VirtualBox:/usr/share$ cd ~/usr/bin
bash: cd: /home/miguel/usr/bin: No such file or directory
miguel@miguel-VirtualBox:/usr/share$ cd ~/usr/bin/
bash: cd: /home/miguel/usr/bin/: No such file or directory
miguel@miguel-VirtualBox:/usr/share$ cd ~/usr/bin/
bash: cd: /home/miguel/usr/bin/: No such file or directory
miguel@miguel-VirtualBox:/usr/share$ cd /usr/bin/
miguel@miguel-VirtualBox:/usr/bin$ rm ~/movies/* -r
miguel@miguel-VirtualBox:/usr/bin$ cd
miguel@miguel-VirtualBox:~$ rm -r movies/
miguel@miguel-VirtualBox:~$ 
```

Question 4: Moving files and directories

```
miguel@miguel-VirtualBox:~$ mkdir movies/{action,adventure,romance,animated,scifi} -p
miguel@miguel-VirtualBox:~$ ld Downloads/
ld: cannot find Downloads/: file format not recognized
miguel@miguel-VirtualBox:~$ ls Downloads/
cat.jpeg              pexels-juan-nino-9556451.jpg        pexels-yaroslava-borz-10012631.jpg
dog.jpg              pexels-kyle-karbowski-9610521.jpg  ps5.jpg
pexels-joe-8975500.jpg  pexels-needtofly-9000160.jpg
miguel@miguel-VirtualBox:~$ mv Downloads/pexels-*.jpg movies/
miguel@miguel-VirtualBox:~$ ls movies/
action      pexels-joe-8975500.jpg          pexels-needtofly-9000160.jpg        scifi
adventure   pexels-juan-nino-9556451.jpg      pexels-yaroslava-borz-10012631.jpg
animated    pexels-kyle-karbowski-9610521.jpg  romance
miguel@miguel-VirtualBox:~$ mv movies/pexels-joe-8975500.jpg movies/adventure.png
miguel@miguel-VirtualBox:~$ mv movies/pexels-juan-nino-9556451.jpg movies/action.png
miguel@miguel-VirtualBox:~$ mv movies/pexels-kyle-karbowski-9610521.jpg movies/romance.png
miguel@miguel-VirtualBox:~$ mv movies/pexels-needtofly-9000160.jpg movies/scifi.png
miguel@miguel-VirtualBox:~$ mv movies/pexels-yaroslava-borz-10012631.jpg movies/animated.png
miguel@miguel-VirtualBox:~$ ls movies/
action      adventure    animated    romance    scifi
action.png  adventure.png  animated.png  romance.png  scifi.png
miguel@miguel-VirtualBox:~$ cd /
miguel@miguel-VirtualBox:/$ mv ~/movies/adventure.png ~/movies/adventure/
miguel@miguel-VirtualBox:/$ mv ~/movies/romance.png ~/movies/romance/
miguel@miguel-VirtualBox:/$ mv ~/movies/animated.png ~/movies/animated
miguel@miguel-VirtualBox:/$ mv ~/movies/action.png ~/movies/action/
miguel@miguel-VirtualBox:/$ mv ~/movies/scifi.png ~/movies/scifi/
miguel@miguel-VirtualBox:/$
```

Question 5: Copying files

```
miguel@miguel-VirtualBox:~$ cp movies/ Videos/ -r
miguel@miguel-VirtualBox:~$ cp Downloads/*.mp3 Music/
miguel@miguel-VirtualBox:~$ ls ~/Music/
song1.mp3   song2.mp3   song3.mp3
miguel@miguel-VirtualBox:~$ ls Downloads/
cat.jpeg   pexels-ivan-samkov-7703932.mp4  pexels-solodsha-9008406.mp4   song1.mp3   song3.mp3
dog.jpg    pexels-ivan-samkov-7703996.mp4  ps5.jpg                        song2.mp3
miguel@miguel-VirtualBox:~$ mv Downloads/pexels-ivan-samkov-7703932.mp4 Downloads/Video1.mp4
miguel@miguel-VirtualBox:~$ mv Downloads/pexels-ivan-samkov-7703996.mp4 Downloads/video2.mkv
miguel@miguel-VirtualBox:~$ mv Downloads/pexels-solodsha-9008406.mp4 Downloads/new-vid.avi
miguel@miguel-VirtualBox:~$ ls Downloads/*[Vv]*
Downloads/new-vid.avi   Downloads/Video1.mp4   Downloads/video2.mkv
miguel@miguel-VirtualBox:~$ ls Downloads/*.???
Downloads/dog.jpg      Downloads/ps5.jpg      Downloads/song2.mp3   Downloads/Video1.mp4
Downloads/new-vid.avi  Downloads/song1.mp3    Downloads/song3.mp3   Downloads/video2.mkv
miguel@miguel-VirtualBox:~$ ls Downloads/[Vv]*.???
Downloads/Video1.mp4   Downloads/video2.mkv
miguel@miguel-VirtualBox:~$ ls Downloads/*[Vv]*.???
Downloads/new-vid.avi   Downloads/Video1.mp4   Downloads/video2.mkv
miguel@miguel-VirtualBox:~$ cp Downloads/*[Vv]*.??? Videos/
miguel@miguel-VirtualBox:~$
```