

# Lab 4: Working with Files and Directories

## Question 1

```
inoquendoosorio@CIS-106VM: /
inoquendoosorio@CIS-106VM:~$ mkdir -p movies/{action,romance,adventure,animated,scifi}
inoquendoosorio@CIS-106VM:~$ cd /
inoquendoosorio@CIS-106VM:/$ mkdir ~/movies/{action,romance,adventure,animated,scifi}/2021
inoquendoosorio@CIS-106VM:/$ tree ~/movies/
/home/inoquendoosorio/movies/
├── action
│   └── 2021
├── adventure
│   └── 2021
├── animated
│   └── 2021
├── romance
│   └── 2021
└── scifi
    └── 2021

10 directories, 0 files
inoquendoosorio@CIS-106VM:/$
```

## Question 2

```
inoquendoosorio@CIS-106VM: ~/movies
inoquendoosorio@CIS-106VM:~$ cd movies
inoquendoosorio@CIS-106VM:~/movies$ touch {action,adventure,animated,romance,scifi}/moviesList.txt
inoquendoosorio@CIS-106VM:~/movies$ cd /
inoquendoosorio@CIS-106VM:/$ touch ~/movies/{action,adventure,animated,romance,scifi}/new.doc
inoquendoosorio@CIS-106VM:/$ touch ~/movies/{action,adventure,animated,romance,scifi}/old.pdf
inoquendoosorio@CIS-106VM:/$ cd ..
inoquendoosorio@CIS-106VM:~$ cd ~/movies/
inoquendoosorio@CIS-106VM:~/movies$ cd ~/movies/
inoquendoosorio@CIS-106VM:~/movies$ tree -Rtug --inodes
.
├── [3152748 inoquendoosorio inoquendoosorio] action
│   ├── [3152753 inoquendoosorio inoquendoosorio] 2021
│   ├── [3154155 inoquendoosorio inoquendoosorio] moviesList.txt
│   ├── [3154150 inoquendoosorio inoquendoosorio] new.doc
│   └── [3154165 inoquendoosorio inoquendoosorio] old.pdf
├── [3152750 inoquendoosorio inoquendoosorio] adventure
│   ├── [3152755 inoquendoosorio inoquendoosorio] 2021
│   ├── [3154156 inoquendoosorio inoquendoosorio] moviesList.txt
│   ├── [3154161 inoquendoosorio inoquendoosorio] new.doc
│   └── [3154166 inoquendoosorio inoquendoosorio] old.pdf
```

## Question 3

```
lab4.md - cis106-Fall21 - Visual Studio Code
inoquendoosorio@CIS-106VM: ~

inoquendoosorio@CIS-106VM:~/movies$ cd /usr/share/
inoquendoosorio@CIS-106VM:~/usr/share$ rm ~/movies/{action,adventure,animated,romance,scifi}/new.doc
inoquendoosorio@CIS-106VM:~/usr/share$ rm ~/movies/{action,adventure,animated,romance,scifi}/old.pdf
inoquendoosorio@CIS-106VM:~/usr/share$ cd /usr/bin/
inoquendoosorio@CIS-106VM:~/usr/bin$ rm ~/movies/* -r
inoquendoosorio@CIS-106VM:~/usr/bin$ cd
inoquendoosorio@CIS-106VM:~$ rm -r movies/
inoquendoosorio@CIS-106VM:~$
```

## Question 4

```
inoquendoosorio@CIS-106VM: ~

inoquendoosorio@CIS-106VM:~$ mkdir -p movies/{action,romance,adventure,animated,scifi}
inoquendoosorio@CIS-106VM:~$

inoquendoosorio@CIS-106VM: /

inoquendoosorio@CIS-106VM:~$ pwd
/home/inoquendoosorio
inoquendoosorio@CIS-106VM:~$ ls Downloads/
inode-hl                                pexels-martin-lopez-1117132.jpg
lab3-question-3-pic1.png                pexels-mikhail-nilov-7664624.jpg
lab3-question-3-pic2.png                pexels-olga-burmistrova-10403896.jpg
lab3-question-3-pic3.png                pexels-oliver-sjöström-1020016.jpg
pexels-asad-photo-maldives-1024984.jpg

inoquendoosorio@CIS-106VM:~$ mv Downloads/pexels-* movies/
inoquendoosorio@CIS-106VM:~$ ls movies/
action      pexels-asad-photo-maldives-1024984.jpg  pexels-olga-burmistrova-10403896.jpg  scifi
adventure   pexels-martin-lopez-1117132.jpg          pexels-oliver-sjöström-1020016.jpg
animated    pexels-mikhail-nilov-7664624.jpg         romance

inoquendoosorio@CIS-106VM:~$ mv movies/pexels-asad-photo-maldives-1024984.jpg movies/adventure.png
inoquendoosorio@CIS-106VM:~$ mv movies/pexels-martin-lopez-1117132.jpg movies/action.png
inoquendoosorio@CIS-106VM:~$ mv movies/pexels-mikhail-nilov-7664624.jpg movies/romance.png
inoquendoosorio@CIS-106VM:~$ mv movies/pexels-olga-burmistrova-10403896.jpg movies/animated.png
inoquendoosorio@CIS-106VM:~$ mv movies/pexels-oliver-sjöström-1020016.jpg movies/scifi.png
inoquendoosorio@CIS-106VM:~$ cd /
inoquendoosorio@CIS-106VM:/$ mv ~/movies/adventure.png ~/movies/adventure
inoquendoosorio@CIS-106VM:/$ mv ~/movies/action.png ~/movies/action
inoquendoosorio@CIS-106VM:/$ mv ~/movies/animated.png ~/movies/animated
inoquendoosorio@CIS-106VM:/$ mv ~/movies/scifi.png ~/movies/scifi
inoquendoosorio@CIS-106VM:/$ mv ~/movies/romance.png ~/movies/romance
inoquendoosorio@CIS-106VM:/$
```

## Question 5

```
inoquendoosorio@CIS-106VM: ~  
inoquendoosorio@CIS-106VM:~$ cp movies/ Videos/ -r  
inoquendoosorio@CIS-106VM:~$ cp Downloads/*.mp3 Music/  
inoquendoosorio@CIS-106VM:~$ mv Downloads/pexels-sathyaprabha-rakkimuthu-5613843.mp4 mv Downloads/Video1.mp4  
mv: target 'Downloads/Video1.mp4' is not a directory  
inoquendoosorio@CIS-106VM:~$ mv Downloads/pexels-sathyaprabha-rakkimuthu-5613843.mp4 Downloads/Video1.mp4  
inoquendoosorio@CIS-106VM:~$ mv Downloads/pexels-barbara-olsen-7880881.mp4 Downloads/video2.mkv  
inoquendoosorio@CIS-106VM:~$ mv Downloads/pexels-宇航-钱-8282268.mp4 Downloads/new-vid.avi  
inoquendoosorio@CIS-106VM:~$ ls Downloads/  
inode-hl          lab3-question-3-pic2.png  new-vid.avi  song2.mp3  Video1.mp4  
lab3-question-3-pic1.png  lab3-question-3-pic3.png  song1.mp3   song3.mp3  video2.mkv  
inoquendoosorio@CIS-106VM:~$ cp Downloads/*[Vv]* Videos/  
inoquendoosorio@CIS-106VM:~$ ls Downloads/  
inode-hl          lab3-question-3-pic2.png  new-vid.avi  song2.mp3  Video1.mp4  
lab3-question-3-pic1.png  lab3-question-3-pic3.png  song1.mp3   song3.mp3  video2.mkv  
inoquendoosorio@CIS-106VM:~$ ls Videos/  
movies  new-vid.avi  Video1.mp4  video2.mkv  
inoquendoosorio@CIS-106VM:~$
```