

Question 1: Creating Files and Directories

```
Applications  Places

anand@cis106vm: ~/lab4

anand@cis106vm:~$ pwd
/home/anand
anand@cis106vm:~$ mkdir lab4
anand@cis106vm:~$ cd lab4/
anand@cis106vm:~/lab4$ mkdir pets docs songs
anand@cis106vm:~/lab4$ mkdir pets/new pets/old docs/new docs/old songs/new songs/old
anand@cis106vm:~/lab4$ touch pets/new/file1
anand@cis106vm:~/lab4$ touch pets/new/file2
anand@cis106vm:~/lab4$ touch pets/new/file3
anand@cis106vm:~/lab4$ touch pets/old/file1
anand@cis106vm:~/lab4$ touch pets/old/file2
anand@cis106vm:~/lab4$ touch pets/old/file3
anand@cis106vm:~/lab4$ touch docs/new/file1
anand@cis106vm:~/lab4$ touch docs/new/file2
anand@cis106vm:~/lab4$ touch docs/new/file3
anand@cis106vm:~/lab4$ touch docs/old/file1
anand@cis106vm:~/lab4$ touch docs/old/file2
anand@cis106vm:~/lab4$ touch docs/old/file3
anand@cis106vm:~/lab4$ touch songs/new/file1
anand@cis106vm:~/lab4$ touch songs/new/file2
anand@cis106vm:~/lab4$ touch songs/new/file3
anand@cis106vm:~/lab4$ touch songs/old/file1
anand@cis106vm:~/lab4$ touch songs/old/file2
anand@cis106vm:~/lab4$ touch songs/old/file3
```

```
Applications Places
anand@cis106vm: ~/lab4
anand@cis106vm:~/lab4$ touch songs/old/file1
anand@cis106vm:~/lab4$ touch songs/old/file2
anand@cis106vm:~/lab4$ touch songs/old/file3
anand@cis106vm:~/lab4$ ls -R
.:
docs  pets  songs

./docs:
new  old

./docs/new:
file1 file2 file3

./docs/old:
file1 file2 file3

./pets:
new  old

./pets/new:
file1 file2 file3

./pets/old:
file1 file2 file3

./songs:
new  old

./songs/new:
file1 file2 file3

./songs/old:
file1 file2 file3
```

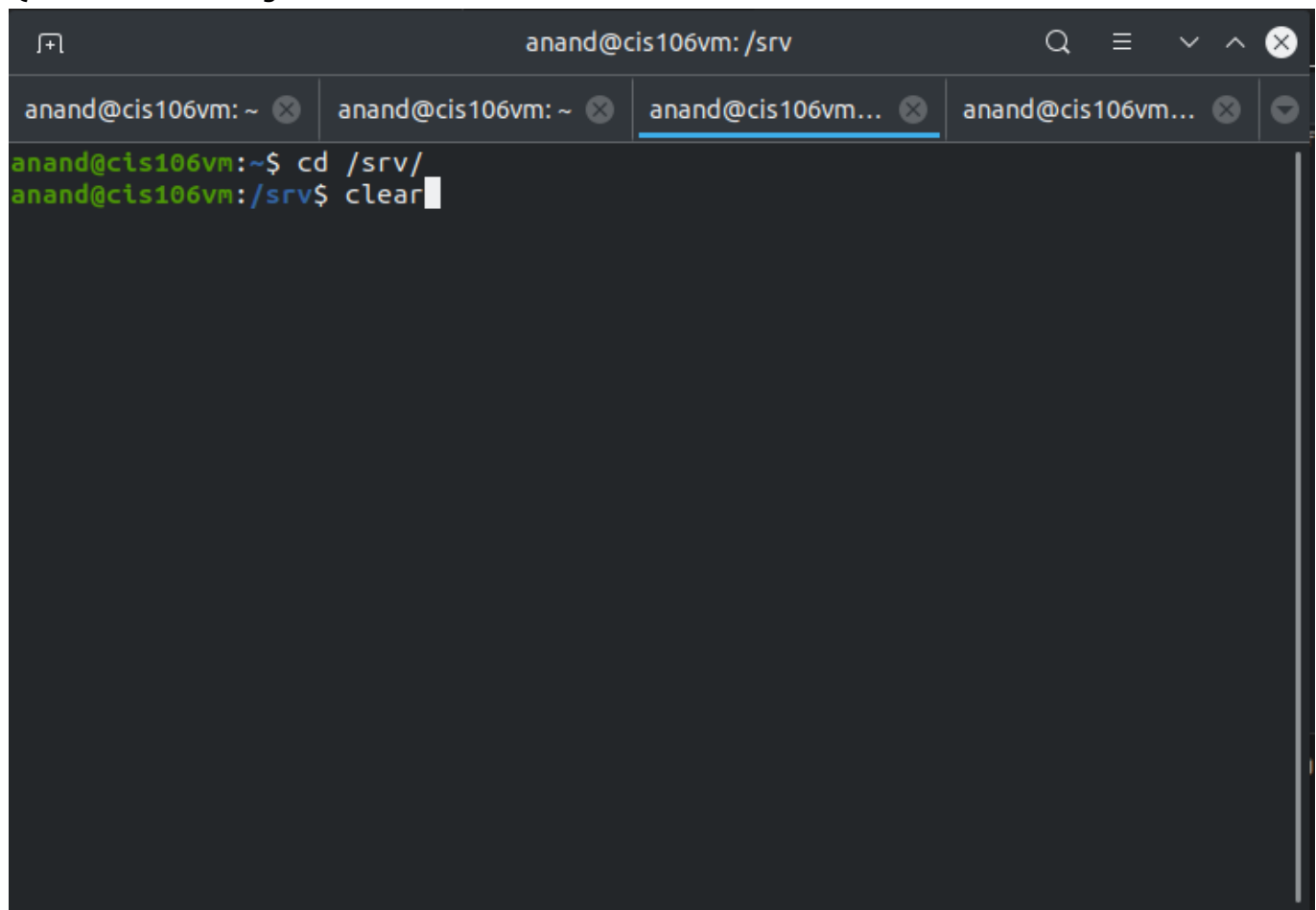
```
Applications Places
anand@cis106vm: ~/lab4

./songs/new:
file1 file2 file3

./songs/old:
file1 file2 file3
anand@cis106vm:~/lab4$ tree ~/lab4/
/home/anand/lab4/
├── docs
│   ├── new
│   │   ├── file1
│   │   ├── file2
│   │   └── file3
│   └── old
│       ├── file1
│       ├── file2
│       └── file3
├── pets
│   ├── new
│   │   ├── file1
│   │   ├── file2
│   │   └── file3
│   └── old
│       ├── file1
│       ├── file2
│       └── file3
└── songs
    ├── new
    │   ├── file1
    │   ├── file2
    │   └── file3
    └── old
        ├── file1
        ├── file2
        └── file3

9 directories, 18 files
anand@cis106vm:~/lab4$
```

Question 2: Removing Files and Directories

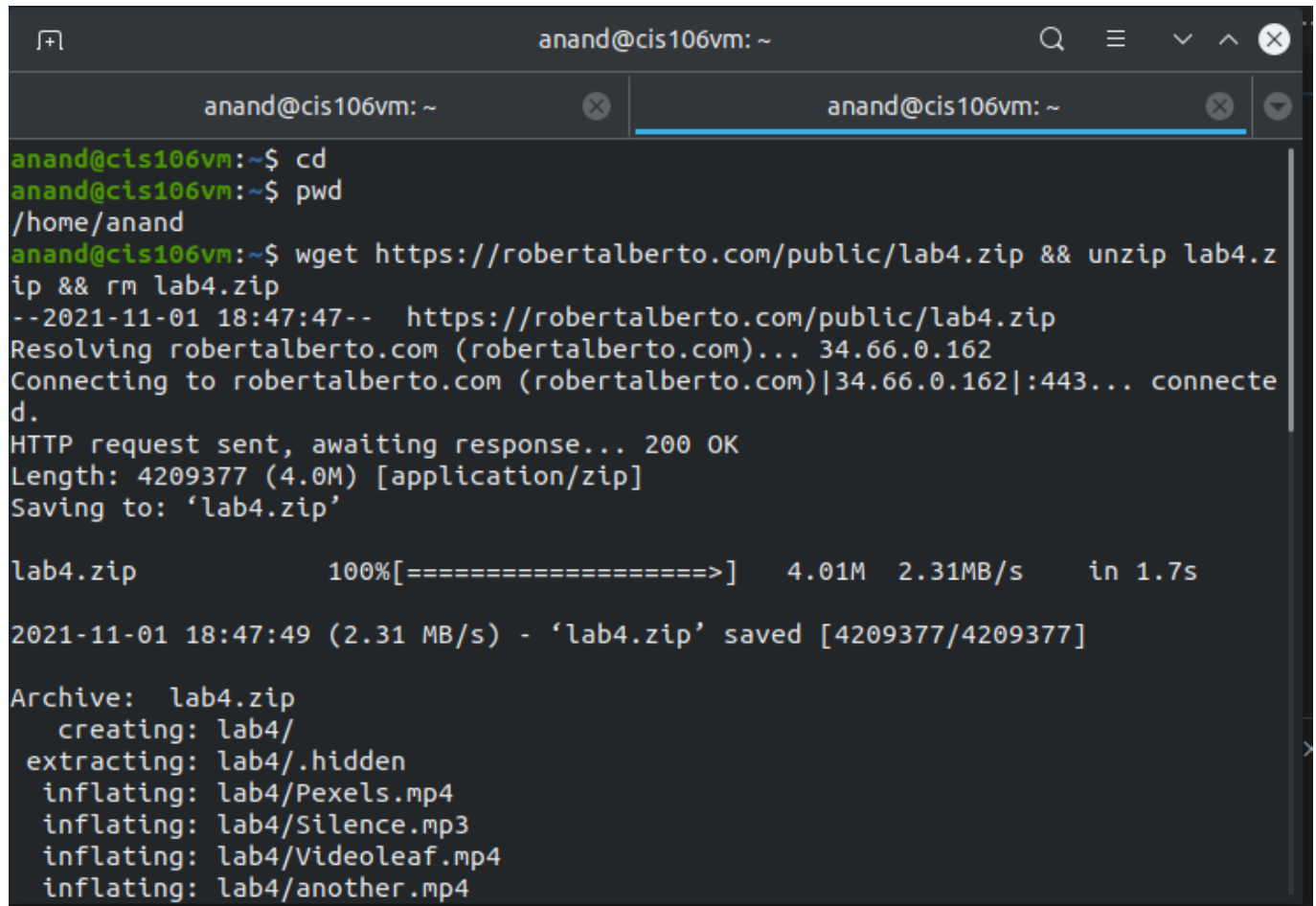


```
anand@cis106vm: /srv
anand@cis106vm: ~$ cd /srv/
anand@cis106vm: /srv$ clear
```



```
anand@cis106vm: /srv$ rm ~/lab4/pets/new/file1 ~/lab4/pets/new/file2 ~/lab4/pets/new/file3
anand@cis106vm: /srv$ rm -r ~/lab4/pets/
anand@cis106vm: /srv$ rm -r ~/lab4/docs ~/lab4/songs
anand@cis106vm: /srv$ rm -r ~/lab4/
anand@cis106vm: /srv$
```

Question 3: Moving Files and Directories

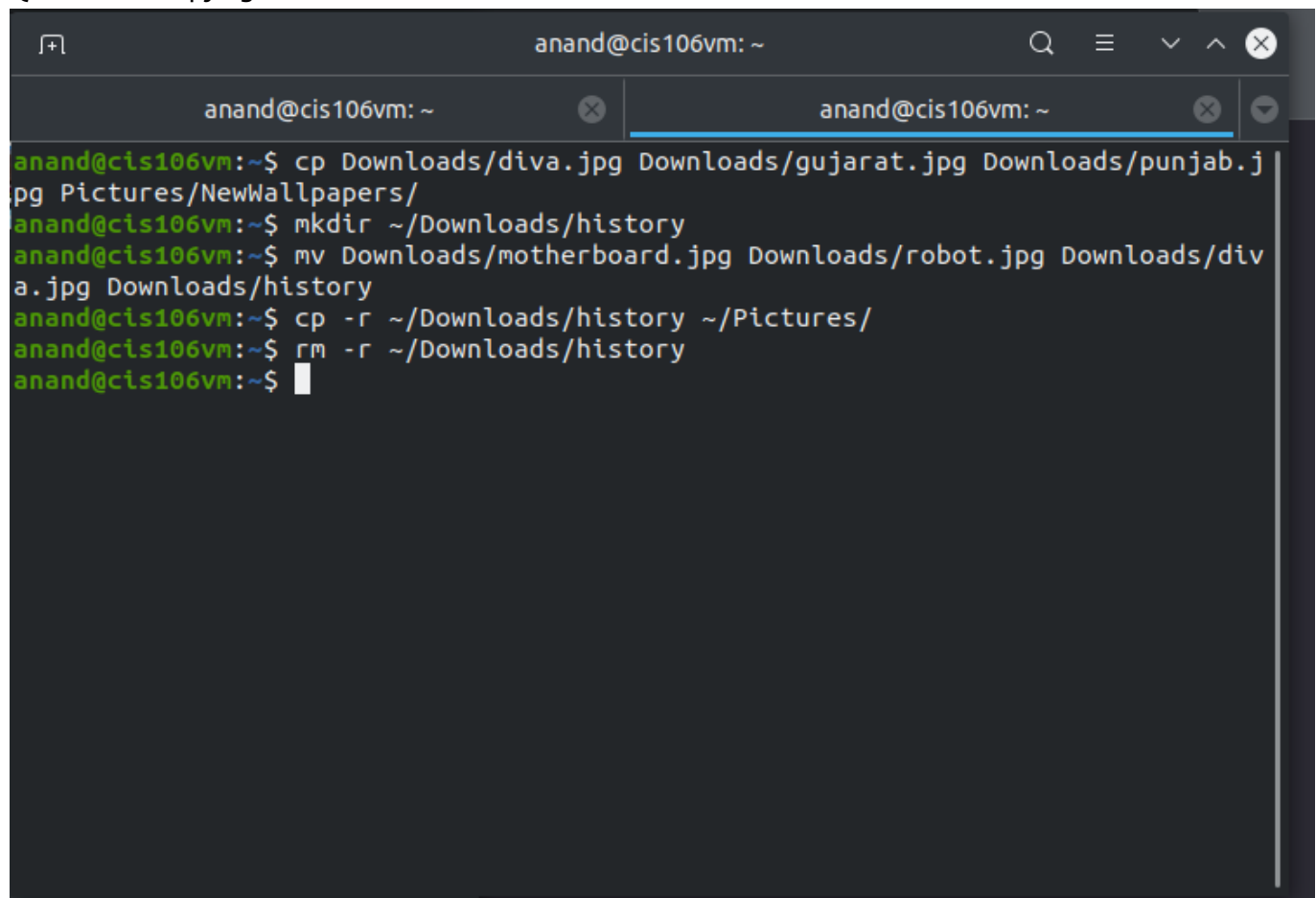


```
anand@cis106vm: ~  
anand@cis106vm:~$ cd  
anand@cis106vm:~$ pwd  
/home/anand  
anand@cis106vm:~$ wget https://robertalberto.com/public/lab4.zip && unzip lab4.zip && rm lab4.zip  
--2021-11-01 18:47:47-- https://robertalberto.com/public/lab4.zip  
Resolving robertalberto.com (robertalberto.com)... 34.66.0.162  
Connecting to robertalberto.com (robertalberto.com)|34.66.0.162|:443... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: 4209377 (4.0M) [application/zip]  
Saving to: 'lab4.zip'  
  
lab4.zip          100%[=====>]    4.01M  2.31MB/s   in 1.7s  
  
2021-11-01 18:47:49 (2.31 MB/s) - 'lab4.zip' saved [4209377/4209377]  
  
Archive:  lab4.zip  
  creating: lab4/  
 extracting: lab4/.hidden  
  inflating: lab4/Pexels.mp4  
  inflating: lab4/Silence.mp3  
  inflating: lab4/Videoleaf.mp4  
  inflating: lab4/another.mp4
```

```
anand@cis106vm: ~  
Archive: lab4.zip  
  creating: lab4/  
  extracting: lab4/.hidden  
  inflating: lab4/Pexels.mp4  
  inflating: lab4/Silence.mp3  
  inflating: lab4/Videoleaf.mp4  
  inflating: lab4/another.mp4  
  inflating: lab4/audio.mp3  
  extracting: lab4/fileA.txt  
  extracting: lab4/fileB.txt  
  extracting: lab4/filea.txt  
  extracting: lab4/image1.jpeg  
  extracting: lab4/image2.jpeg  
  extracting: lab4/image3.png  
  extracting: lab4/image4.png  
  extracting: lab4/image5.gif  
  inflating: lab4/song.mp3  
  inflating: lab4/trivia.txt  
  extracting: lab4/triviaXYZ.txt  
  extracting: lab4/vita.txt  
  creating: lab4/wallpaperslab4/  
  inflating: lab4/wallpaperslab4/cpu.jpeg  
  inflating: lab4/wallpaperslab4/keyboard.jpeg  
  inflating: lab4/wallpaperslab4/pc.jpeg
```

```
anand@cis106vm: ~  
  inflating: lab4/wallpaperslab4/keyboard.jpeg  
  inflating: lab4/wallpaperslab4/pc.jpeg  
anand@cis106vm:~$ mkdir lab4-imgs lab4-audio lab4-video lab4-docs  
anand@cis106vm:~$ mv lab4/audio.mp3 lab4/silence.mp3 lab4/song.mp3 lab4-audio  
anand@cis106vm:~$ mv lab4/another.mp4 lab4/Pexels.mp4 lab4/Videoleaf.mp4  
mv: target 'lab4/Videoleaf.mp4' is not a directory  
anand@cis106vm:~$ mv lab4/another.mp4 lab4/Pexels.mp4 lab4/videoleaf.mp4 lab4-vi  
deo  
anand@cis106vm:~$ mv lab4/filea.txt lab4/fileA.txt lab4/fileB.txt lab4/trivia.tx  
t lab4/triviaXYZ.txt lab4/vita.txt lab4-docs  
anand@cis106vm:~$ mv lab4/image2.jpeg lab4/image3.png lab4/image4.png lab4/image  
5.gif lab4-imgs  
anand@cis106vm:~$ mv lab4/image1 lab4-imgs  
mv: cannot stat 'lab4/image1': No such file or directory  
anand@cis106vm:~$ mv lab4/image1.jpeg lab4-imgs  
anand@cis106vm:~$ mv lab4/wallpaperslab4 pictures/NewWallpapers  
mv: cannot move 'lab4/wallpaperslab4' to 'pictures/NewWallpapers': No such file  
or directory  
anand@cis106vm:~$ mv lab4/wallpaperslab4/ pictures/NewWallpapers  
mv: cannot move 'lab4/wallpaperslab4/' to 'pictures/NewWallpapers': No such file  
or directory  
anand@cis106vm:~$ mv lab4/wallpaperslab4/ Pictures/NewWallpapers  
anand@cis106vm:~$ mv lab4 Lab-4  
anand@cis106vm:~$
```

Question 4: Copying Files and Directories

A terminal window with a dark background and light green text. The window title is 'anand@cis106vm: ~'. The terminal shows a series of commands and their outputs. The first command copies three files from the Downloads directory to the Pictures/NewWallpapers directory. The second command creates a new directory named 'history' in the Downloads folder. The third command moves three files from Downloads to the newly created history directory. The fourth command copies the entire history directory to the Pictures directory. The fifth command removes the original history directory. The prompt is at the end of the last line.

```
anand@cis106vm:~$ cp Downloads/diva.jpg Downloads/gujarat.jpg Downloads/punjab.jpg Pictures/NewWallpapers/  
anand@cis106vm:~$ mkdir ~/Downloads/history  
anand@cis106vm:~$ mv Downloads/motherboard.jpg Downloads/robot.jpg Downloads/diva.jpg Downloads/history  
anand@cis106vm:~$ cp -r ~/Downloads/history ~/Pictures/  
anand@cis106vm:~$ rm -r ~/Downloads/history  
anand@cis106vm:~$
```