Question 1: Creating Files and Directories


```
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                                      2 / 7

./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
```
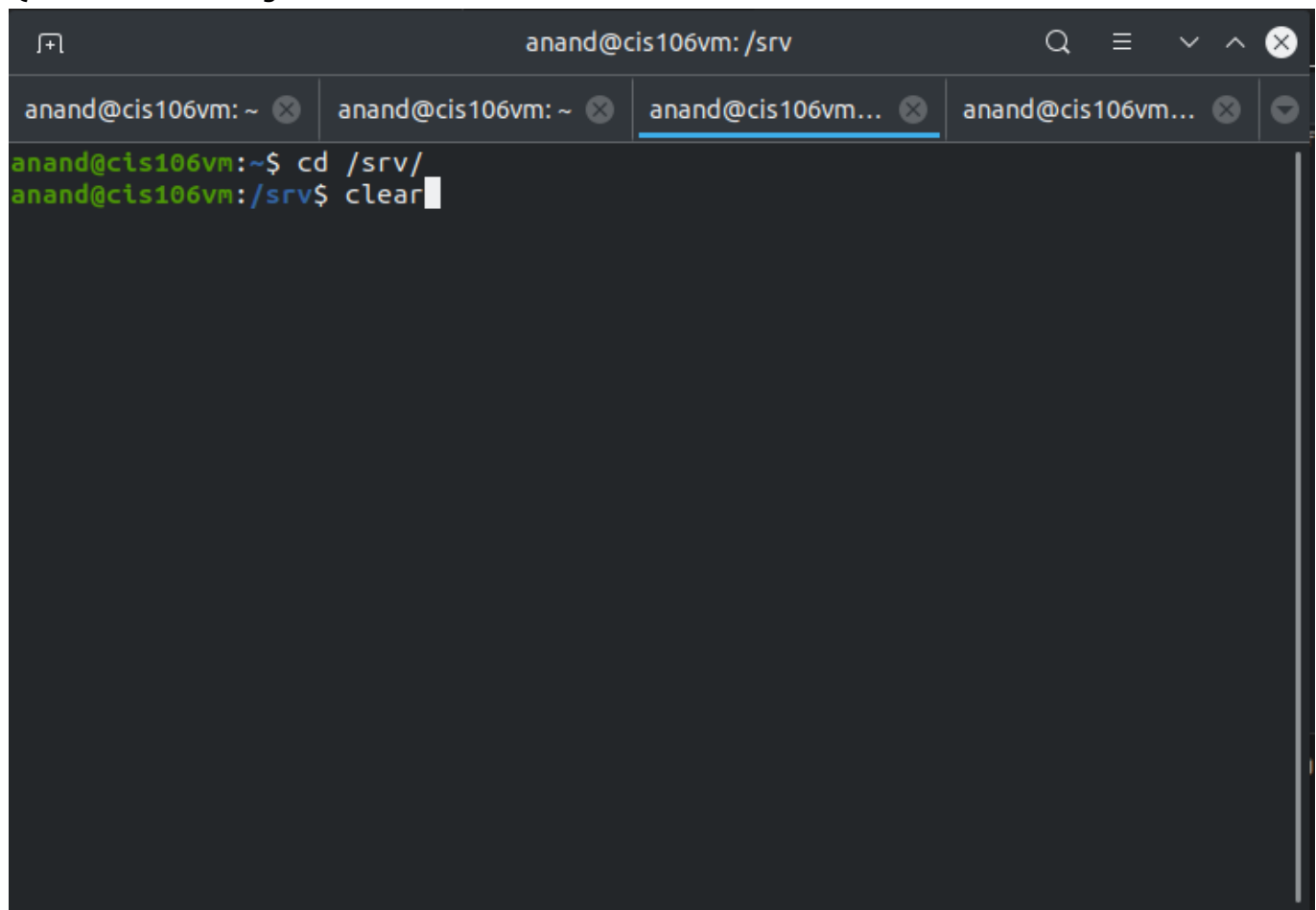
Applications Places

anand@cis106vm: ~/lab4

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

./songs/old:
file1  file2  file3
anand@cis106vm:~/lab4$ tree  ~/lab4/                    3 / 7
/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$
```

[lab4a.md - cis106-fa...   anand@cis106vm: ~/l...

Question 2: Removing Files and Directories
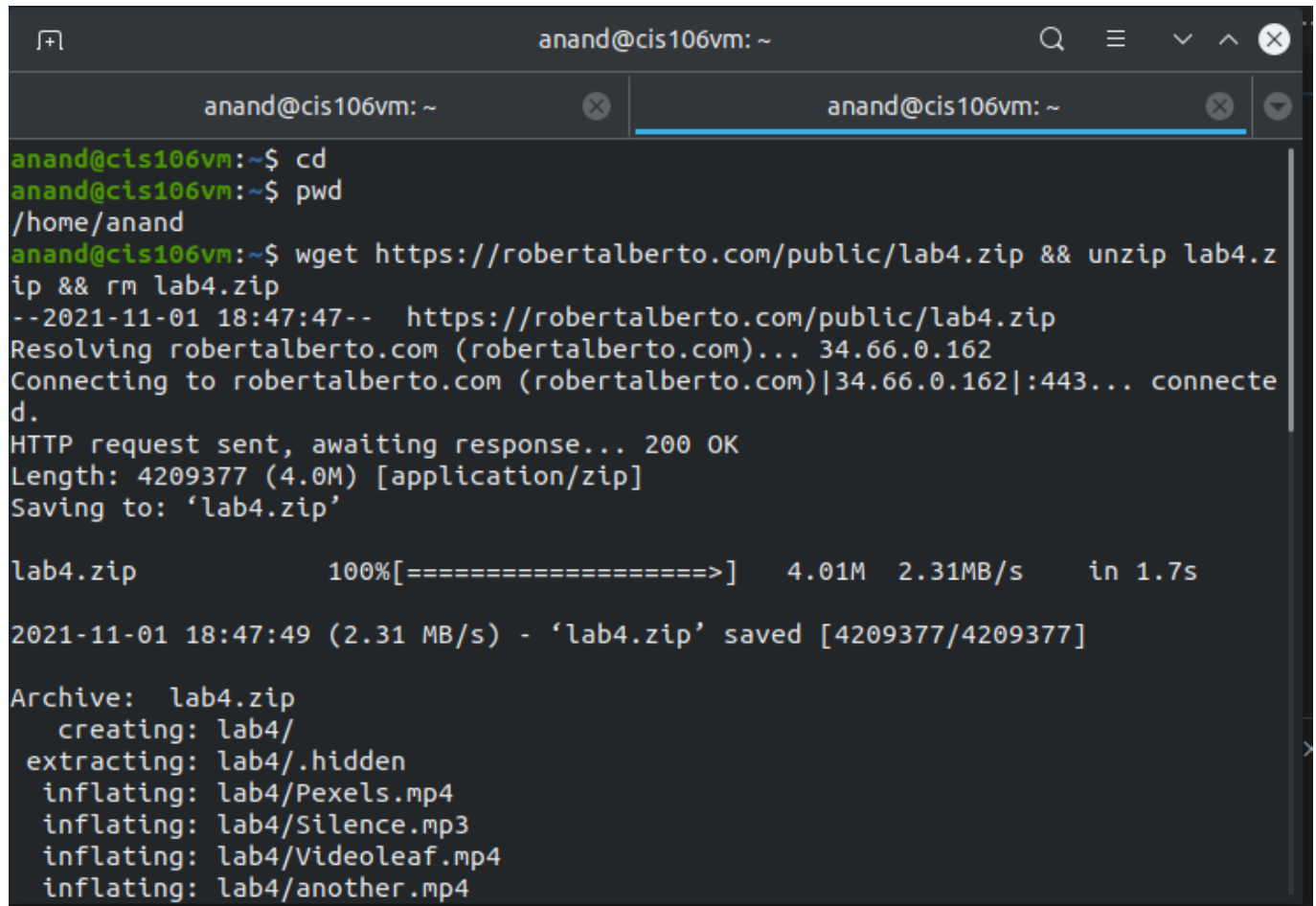
Question 3: Moving Files and Directories

```
anand@cis106vm: ~

    anand@cis106vm: ~                      anand@cis106vm: ~

anand@cis106vm:~$ cd
anand@cis106vm:~$ pwd                    5 / 7
/home/anand
anand@cis106vm:~$ wget https://robertalberto.com/public/lab4.zip && unzip lab4.z
ip && 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... connecte
d.
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
```
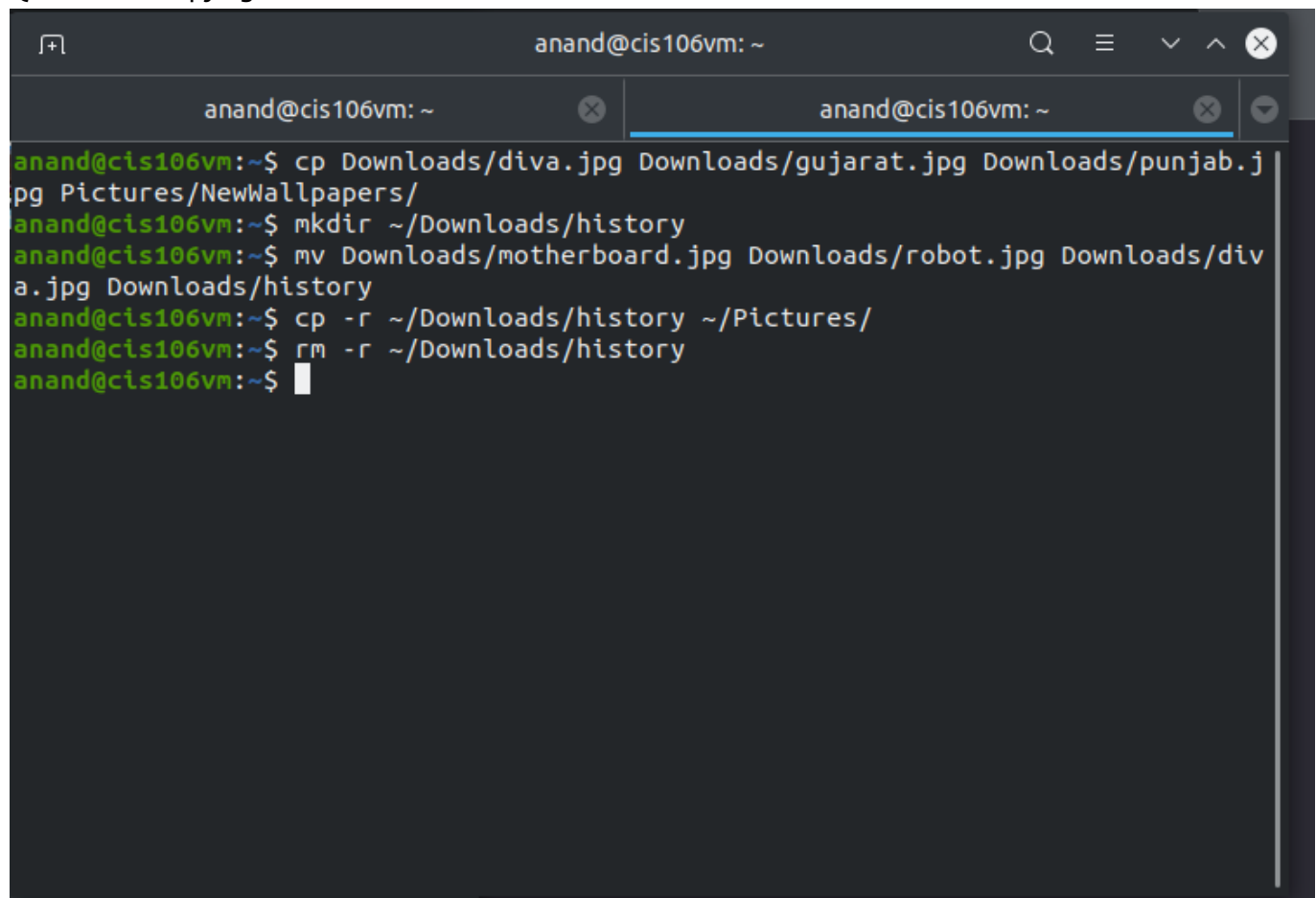
```
Archive:  lab4.zip
   creating: lab4/
 extracting: lab4/.hidden
  inflating: lab4/Pexels.mp4
  inflating: lab4/Silence.mp3
  inflating: lab4/Videoleaf.mp4
  inflating: lab4/another.mp4
  inflating: lab4/audio.mp3
 extracting: lab4/fileA.txt
 extracting: lab4/fileB.txt
 extracting: lab4/filea.txt
 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
```

```
  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

```
anand@cis106vm: ~                          Q   ☰   ⌄   ⌃   ✕

   anand@cis106vm: ~          ⊗          anand@cis106vm: ~        ⊗   ⊝

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