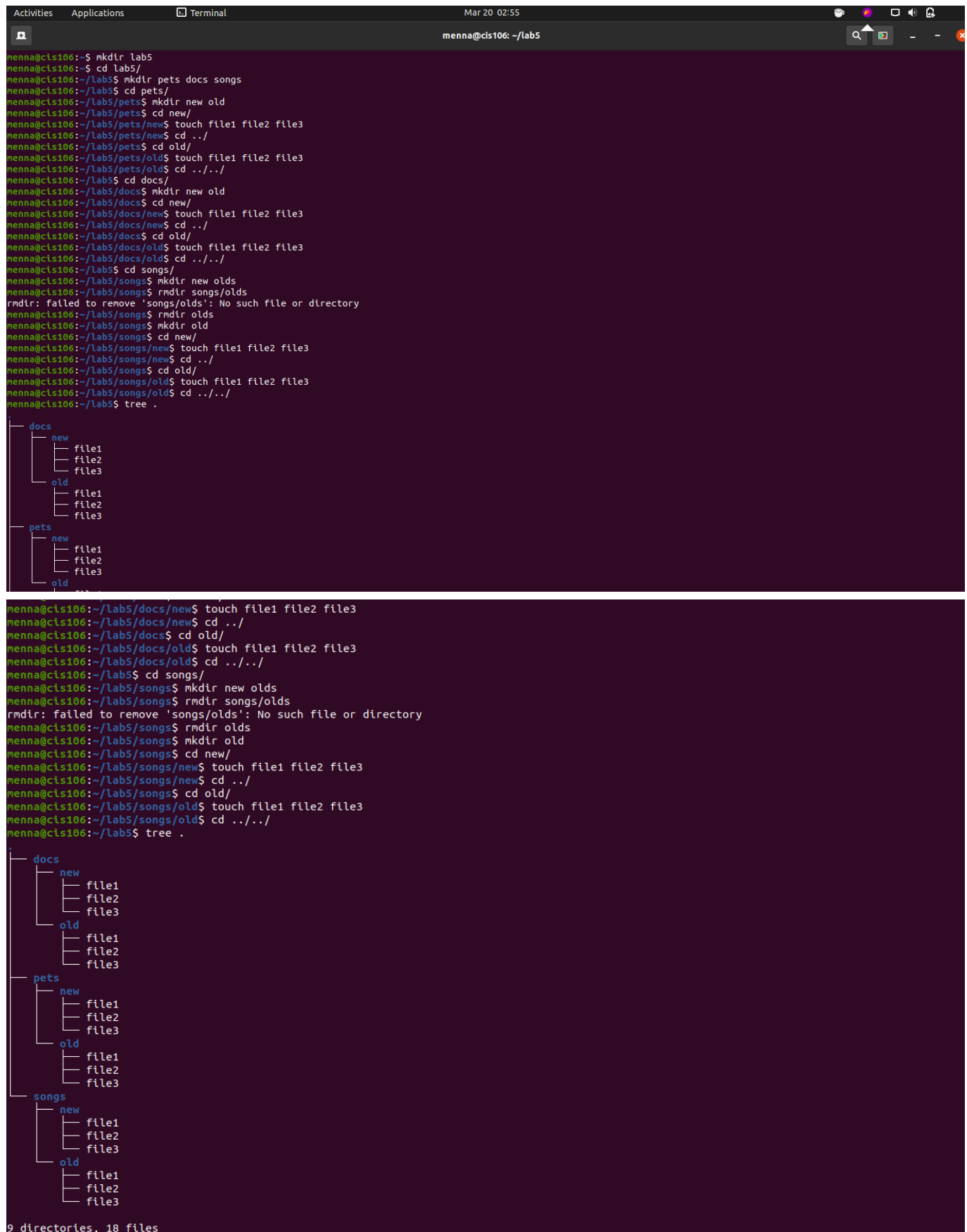


Lab5: Managing Files and Directories

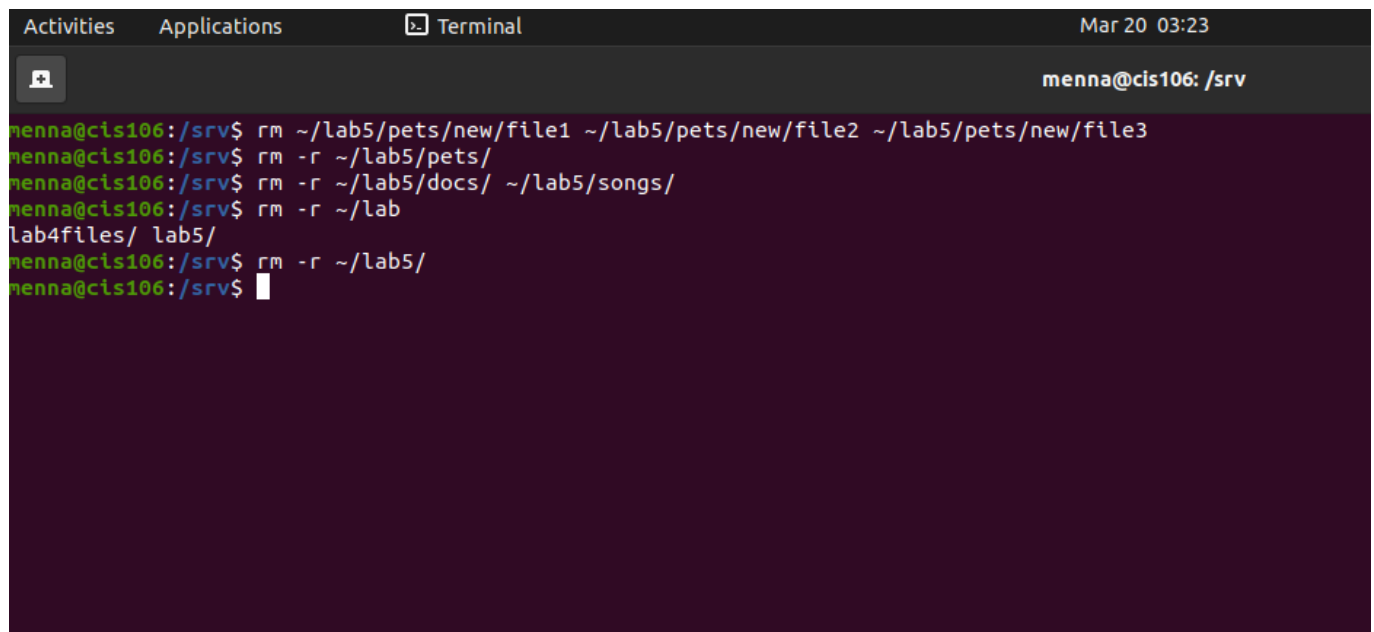
Question 1



```
menna@cisl06:~$ mkdir lab5
menna@cisl06:~$ cd lab5/
menna@cisl06:~/lab5$ mkdir pets docs songs
menna@cisl06:~/lab5$ cd pets/
menna@cisl06:~/lab5/pets$ mkdir new old
menna@cisl06:~/lab5/pets$ cd new/
menna@cisl06:~/lab5/pets/new$ touch file1 file2 file3
menna@cisl06:~/lab5/pets/new$ cd ../
menna@cisl06:~/lab5/pets$ cd old/
menna@cisl06:~/lab5/pets/old$ touch file1 file2 file3
menna@cisl06:~/lab5/pets/old$ cd ../../
menna@cisl06:~/lab5$ cd docs/
menna@cisl06:~/lab5/docs$ mkdir new old
menna@cisl06:~/lab5/docs$ cd new/
menna@cisl06:~/lab5/docs/new$ touch file1 file2 file3
menna@cisl06:~/lab5/docs/new$ cd ../
menna@cisl06:~/lab5/docs$ cd old/
menna@cisl06:~/lab5/docs/old$ touch file1 file2 file3
menna@cisl06:~/lab5/docs/old$ cd ../../
menna@cisl06:~/lab5$ cd songs/
menna@cisl06:~/lab5/songs$ mkdir new olds
menna@cisl06:~/lab5/songs$ rmdir songs/olds
rmdir: failed to remove 'songs/olds': No such file or directory
menna@cisl06:~/lab5/songs$ rmdir olds
menna@cisl06:~/lab5/songs$ mkdir old
menna@cisl06:~/lab5/songs$ cd new/
menna@cisl06:~/lab5/songs/new$ touch file1 file2 file3
menna@cisl06:~/lab5/songs/new$ cd ../
menna@cisl06:~/lab5/songs$ cd old/
menna@cisl06:~/lab5/songs/old$ touch file1 file2 file3
menna@cisl06:~/lab5/songs/old$ cd ../../
menna@cisl06:~/lab5$ tree .
.
├── 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
```

```
menna@cisl06:~/lab5/docs/new$ touch file1 file2 file3
menna@cisl06:~/lab5/docs/new$ cd ../
menna@cisl06:~/lab5/docs$ cd old/
menna@cisl06:~/lab5/docs/old$ touch file1 file2 file3
menna@cisl06:~/lab5/docs/old$ cd ../../
menna@cisl06:~/lab5$ cd songs/
menna@cisl06:~/lab5/songs$ mkdir new olds
menna@cisl06:~/lab5/songs$ rmdir songs/olds
rmdir: failed to remove 'songs/olds': No such file or directory
menna@cisl06:~/lab5/songs$ rmdir olds
menna@cisl06:~/lab5/songs$ mkdir old
menna@cisl06:~/lab5/songs$ cd new/
menna@cisl06:~/lab5/songs/new$ touch file1 file2 file3
menna@cisl06:~/lab5/songs/new$ cd ../
menna@cisl06:~/lab5/songs$ cd old/
menna@cisl06:~/lab5/songs/old$ touch file1 file2 file3
menna@cisl06:~/lab5/songs/old$ cd ../../
menna@cisl06:~/lab5$ tree .
.
├── 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
```

Question 2

A terminal window titled 'Terminal' with a timestamp 'Mar 20 03:23'. The user 'menna' is logged in as 'cis106' and is in the '/srv' directory. The terminal shows a series of 'rm' commands being executed to remove files and directories. The commands are: 'rm ~/lab5/pets/new/file1 ~/lab5/pets/new/file2 ~/lab5/pets/new/file3', 'rm -r ~/lab5/pets/', 'rm -r ~/lab5/docs/ ~/lab5/songs/', 'rm -r ~/lab4files/ lab5/', and 'rm -r ~/lab5/'. The prompt 'menna@cis106: /srv\$' is visible at the end of each line.

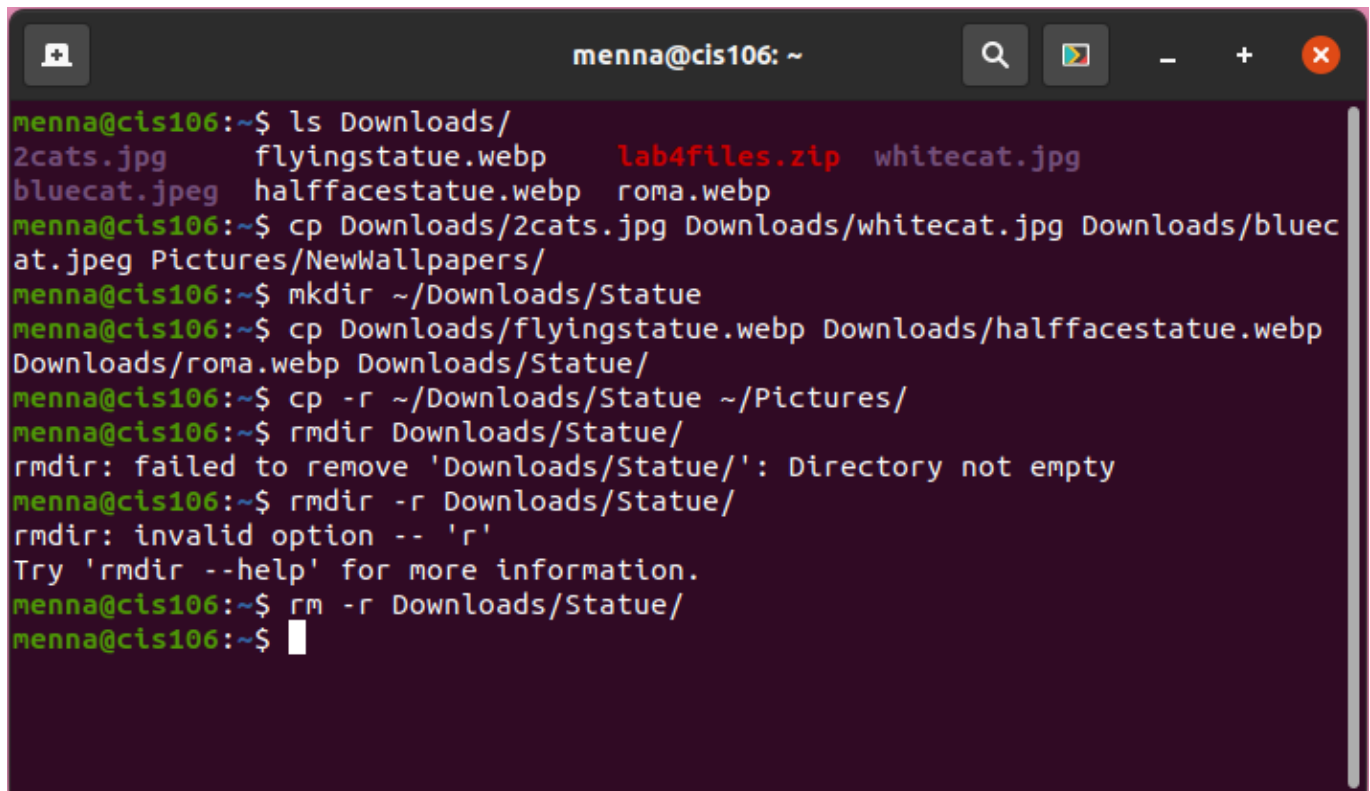
```
Activities Applications Terminal Mar 20 03:23
menna@cis106: /srv
menna@cis106: /srv$ rm ~/lab5/pets/new/file1 ~/lab5/pets/new/file2 ~/lab5/pets/new/file3
menna@cis106: /srv$ rm -r ~/lab5/pets/
menna@cis106: /srv$ rm -r ~/lab5/docs/ ~/lab5/songs/
menna@cis106: /srv$ rm -r ~/lab4files/ lab5/
menna@cis106: /srv$ rm -r ~/lab5/
menna@cis106: /srv$
```

Question 3

```
menna@cis106: ~  
menna@cis106:~$ wget https://cis106.com/assets/lab5.zip && unzip lab5.zip && rm lab5.zip  
--2022-03-20 23:24:19-- https://cis106.com/assets/lab5.zip  
Resolving cis106.com (cis106.com)... 185.199.108.153  
Connecting to cis106.com (cis106.com)[185.199.108.153]:443... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: 4210527 (4.0M) [application/zip]  
Saving to: 'lab5.zip'  
  
lab5.zip      100%[=====] 4.01M  3.67MB/s   in 1.1s  
  
2022-03-20 23:24:21 (3.67 MB/s) - 'lab5.zip' saved [4210527/4210527]  
  
Archive: lab5.zip  
  creating: lab5/  
    extracting: lab5/.hidden  
    inflating: lab5/Pexels.mp4  
    inflating: lab5/Silence.mp3  
    inflating: lab5/Videoleaf.mp4  
    inflating: lab5/another.mp4  
    inflating: lab5/audio.mp3  
    extracting: lab5/fileA.txt  
    extracting: lab5/fileB.txt  
    extracting: lab5/filea.txt  
    inflating: lab5/image1.jpeg  
    inflating: lab5/image2.jpeg  
    inflating: lab5/image3.png  
    inflating: lab5/image4.png  
    inflating: lab5/image5.gif  
    inflating: lab5/song.mp3  
    inflating: lab5/trivia.txt  
    extracting: lab5/triviaXYZ.txt  
    extracting: lab5/vita.txt  
  creating: lab5/wallpaperslab5/  
    inflating: lab5/wallpaperslab5/cpu.jpeg  
    inflating: lab5/wallpaperslab5/keyboard.jpeg  
    inflating: lab5/wallpaperslab5/pc.jpeg  
menna@cis106:~$
```

```
menna@cis106: ~  
menna@cis106: ~  
menna@cis106:~$ mkdir lab5-imgs lab5-audio lab5-video lab5-docs  
menna@cis106:~$ mv lab5/image5.gif lab5/image1.jpeg lab5/image2.jpeg lab5/image3.png lab5/image4.png lab5-imgs  
menna@cis106:~$ mv lab5/audio.mp3 lab5/Silence.mp3 lab5/song.mp3 lab5-audio  
menna@cis106:~$ mv lab5/another.mp4 lab5/Pexels.mp4 lab5/Videoleaf.mp4 lab5-video  
menna@cis106:~$ mv lab5/filea.txt lab5/fileA.txt lab5/fileB.txt lab5/trivia.txt lab5/triviaXYZ.txt lab5/vita.txt lab5-docs  
menna@cis106:~$ mv lab5/wallpaperslab5/ Pictures/NewWallpapers/  
menna@cis106:~$ mv lab5 lab-5  
menna@cis106:~$
```

Question 4



```
menna@cis106: ~  
menna@cis106:~$ ls Downloads/  
2cats.jpg      flyingstatue.webp  lab4files.zip  whitecat.jpg  
bluecat.jpeg   halffacestatue.webp  roma.webp  
menna@cis106:~$ cp Downloads/2cats.jpg Downloads/whitecat.jpg Downloads/bluec  
at.jpeg Pictures/NewWallpapers/  
menna@cis106:~$ mkdir ~/Downloads/Statue  
menna@cis106:~$ cp Downloads/flyingstatue.webp Downloads/halffacestatue.webp  
Downloads/roma.webp Downloads/Statue/  
menna@cis106:~$ cp -r ~/Downloads/Statue ~/Pictures/  
menna@cis106:~$ rmdir Downloads/Statue/  
rmdir: failed to remove 'Downloads/Statue/': Directory not empty  
menna@cis106:~$ rmdir -r Downloads/Statue/  
rmdir: invalid option -- 'r'  
Try 'rmdir --help' for more information.  
menna@cis106:~$ rm -r Downloads/Statue/  
menna@cis106:~$
```

Challenge Question

