

Question 1

```
chris@CIS106:~$ cd lab5/
chris@CIS106:~/lab5$ mkdir pets docs songs
chris@CIS106:~/lab5$ mkdir pets/old pets/new docs/old docs/new songs/o
chris@CIS106:~/lab5$ tree -
- [error opening dir]

0 directories, 0 files
chris@CIS106:~/lab5$ tree
.
├── docs
│   ├── new
│   └── old
├── pets
│   ├── new
│   └── old
└── songs
    ├── new
    └── old

0 directories, 0 files
chris@CIS106:~/lab5$ touch pets/old/file1 pets/old/file2 pets/old/file3
chris@CIS106:~/lab5$ touch pets/new/file1 pets/new/file2 pets/new/file3
chris@CIS106:~/lab5$ touch docs/old/file1 docs/old/file2 docs/old/file3
chris@CIS106:~/lab5$ touch docs/new/file1 docs/new/file2 docs/new/file3
chris@CIS106:~/lab5$ touch songs/old/file1 songs/old/file2 songs/old/file3
chris@CIS106:~/lab5$ touch songs/new/file1 songs/new/file2 songs/new/file3
chris@CIS106:~/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
chris@CIS106:~/lab5$
```

Question 2

```
chris@CIS106: /srv
chris@CIS106:~$ cd /srv/
chris@CIS106:/srv$ rm ~/lab5/pets/
new/ old/
chris@CIS106:/srv$ rm ~/lab5/pets/new/file
file1 file2 file3
chris@CIS106:/srv$ rm ~/lab5/pets/new/file
file1 file2 file3
chris@CIS106:/srv$ rm ~/lab5/pets/new/file1
chris@CIS106:/srv$ rm ~/lab5/pets/new/file2
chris@CIS106:/srv$ rm ~/lab5/pets/new/file3
chris@CIS106:/srv$ rm -r ~/lab5/pets/
chris@CIS106:/srv$ rm -r ~/lab5/docs/
chris@CIS106:/srv$ rm -r ~/lab5/songs/
chris@CIS106:/srv$ rmdir lab5/
rmdir: failed to remove 'lab5/': No such file or directory
chris@CIS106:/srv$ rm ~/lab5
rm: cannot remove '/home/chris/lab5': Is a directory
chris@CIS106:/srv$ rmdir ~/lab5
chris@CIS106:/srv$
```

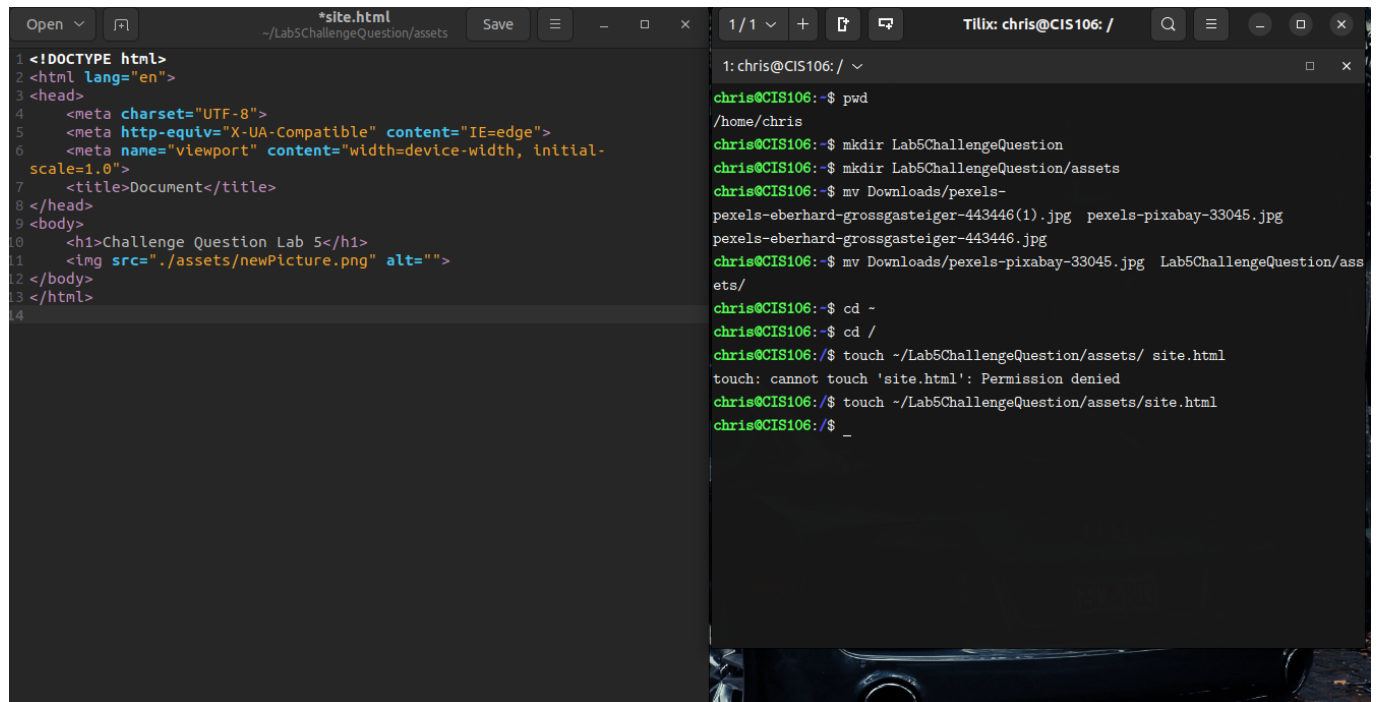
Question 3

```
chris@CIS106: ~
chris@CIS106:~$ mkdir lab5-imgs lab5-audio lab5-video lab5-docs
chris@CIS106:~$ mv lab5/image
chris@CIS106:~$ mv lab5/image5.gif lab5/image1.jpeg lab5/image2.jpeg lab5-imgs/
chris@CIS106:~$ mv lab5/audio.mp3 lab5/song.mp3 lab5/Silence.mp3 lab5-audio/
chris@CIS106:~$ mv lab5/filea.txt lab5/fileA.txt lab5/fileB.txt
mv: target 'lab5/fileB.txt' is not a directory
chris@CIS106:~$ mv lab5/filea.txt lab5/fileA.txt lab5/fileB.txt lab-docs
mv: target 'lab-docs' is not a directory
chris@CIS106:~$ mv lab5/filea.txt lab5/fileA.txt lab5/fileB.txt lab5-docs
chris@CIS106:~$ mv lab5/image3.png lab5/image4.png lab5-imgs
chris@CIS106:~$ mv lab5/Videoleaf.mp4 lab5/another.mp4 lab5-audio
chris@CIS106:~$ mv lab5/Pexels.mp4 lab5-audio
chris@CIS106:~$ mv lab5/vita.txt lab5/triviaXYZ.txt lab5/trivia.txt lab5-docs
chris@CIS106:~$ mv Pictures/ Wallpaperslab5/
chris@CIS106:~$ mv Wallpaperslab5 NewWallpapers
chris@CIS106:~$ mv lab5 Lab-5
chris@CIS106:~$
```

Question 4

```
directory
chris@CIS106:~$ mv Downloads/pexels-eberhard-grossgasteiger- Pictures/NewWallpapers/
mv: cannot stat 'Downloads/pexels-eberhard-grossgasteiger-': No such file or directory
chris@CIS106:~$ mv Downloads/pexels-eberhard-grossgasteiger- Pictures/NewWallpapers/
pexels-eberhard-grossgasteiger-1624496.jpg
pexels-eberhard-grossgasteiger-443446(1).jpg
pexels-eberhard-grossgasteiger-443446.jpg
chris@CIS106:~$ mv Downloads/pexels-eberhard-grossgasteiger-1624496.jpg Pictures/NewWallpapers/
chris@CIS106:~$ mv Downloads/pexels- Pictures/NewWallpapers/
pexels-eberhard-grossgasteiger-443446(1).jpg
pexels-eberhard-grossgasteiger-443446.jpg
pexels-vlad-alexandru-popa-1402787.jpg
chris@CIS106:~$ mv Downloads/pexels-vlad-alexandru-popa-1402787.jpg Pictures/NewWallpapers/
chris@CIS106:~$ mv Downloads/pexels-eberhard-grossgasteiger-443446(1).jpg Pictures/NewWallpapers/
bash: syntax error near unexpected token `('
chris@CIS106:~$ mkdir new_dir
chris@CIS106:~$ mv Downloads/pexels-
pexels-eberhard-grossgasteiger-1366919.jpg
pexels-eberhard-grossgasteiger-443446(1).jpg
pexels-eberhard-grossgasteiger-443446.jpg
pexels-pixabay-326055.jpg
pexels-pixabay-33045.jpg
chris@CIS106:~$ mv Downloads/pexels-pixabay-326055.jpg
mv: missing destination file operand after 'Downloads/pexels-pixabay-326055.jpg'
Try 'mv --help' for more information.
chris@CIS106:~$ mv new_dir/ /Downloads
mv: cannot move 'new_dir/' to '/Downloads': Permission denied
chris@CIS106:~$ mv new_dir/ Downloads/
chris@CIS106:~$ mv Downloads/pexels-pixabay-326055.jpg Downloads/new_dir/
chris@CIS106:~$ mv Downloads/pexels- Downloads/new_dir/
pexels-eberhard-grossgasteiger-1366919.jpg
pexels-eberhard-grossgasteiger-443446(1).jpg
pexels-eberhard-grossgasteiger-443446.jpg
pexels-pixabay-33045.jpg
chris@CIS106:~$ mv Downloads/pexels-pixabay-33045.jpg Downloads/new_dir/
chris@CIS106:~$ mv Downloads/pexels-eberhard-grossgasteiger-1366919.jpg Downloads/new_dir/
chris@CIS106:~$ cp -r Downloads/new_dir/ Pictures/
chris@CIS106:~$ rm -r Downloads/new_dir/
chris@CIS106:~$ █
```

Question 5



The image shows a split-screen view of a code editor and a terminal window. The code editor on the left displays the content of a file named `site.html` located at `~/Lab5ChallengeQuestion/assets`. The HTML code is as follows:

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-
  scale=1.0">
7   <title>Document</title>
8 </head>
9 <body>
10  <h1>Challenge Question Lab 5</h1>
11  
12 </body>
13 </html>
14
```

The terminal window on the right shows the following commands and output:

```
1: chris@CIS106: /
chris@CIS106:~$ pwd
/home/chris
chris@CIS106:~$ mkdir Lab5ChallengeQuestion
chris@CIS106:~$ mkdir Lab5ChallengeQuestion/assets
chris@CIS106:~$ mv Downloads/pexels-
pexels-eberhard-grossgasteiger-443446(1).jpg pexels-pixabay-33045.jpg
pexels-eberhard-grossgasteiger-443446.jpg
chris@CIS106:~$ mv Downloads/pexels-pixabay-33045.jpg Lab5ChallengeQuestion/ass
ets/
chris@CIS106:~$ cd -
chris@CIS106:~$ cd /
chris@CIS106:/$ touch ~/Lab5ChallengeQuestion/assets/ site.html
touch: cannot touch 'site.html': Permission denied
chris@CIS106:/$ touch ~/Lab5ChallengeQuestion/assets/site.html
chris@CIS106:/$ _
```