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Question 1

A screenshot of a Linux desktop environment. On the left is a dock with icons for Home, Trash, Firefox Web Browser, Tilix, and Visual Studio Code. The central part of the screen shows a terminal window titled 'Tilix: ccwallace2@cis106: ~/lab5'. The terminal output shows the creation of files and directories:

```
1: ccwallace2@cis106:~/lab5 ~
9 directories, 1 file
ccwallace2@cis106:~/lab5$ touch pets/old/file1 pets/old/file2 pets/old/file3
ccwallace2@cis106:~/lab5$ touch pets/new/file1 pets/new/file2
ccwallace2@cis106:~/lab5$ touch docs/old/file1 docs/old/file2 docs/old/file3
ccwallace2@cis106:~/lab5$ touch songs/old/file1 songs/old/file2 songs/old/file3
ccwallace2@cis106:~/lab5$ tree
.
├── docs
│   ├── new
│   └── old
│       ├── file1
│       ├── file2
│       └── file3
├── pets
│   ├── new
│   └── old
│       ├── file1
│       ├── file2
│       └── file3
└── songs
    ├── new
    └── old
        ├── file1
        ├── file2
        └── file3
9 directories, 12 files
ccwallace2@cis106:~/lab5$ _
```

The terminal also shows a git commit message and history:

```
Writing objects: 100% (5/5), 982.18 KiB | 20.90 MiB/s, done.
Total 5 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), completed with 3 local objects.
To github.com:CW215/cis106
  fcd4fe0..77cf025 main -> main
ccwallace2@cis106:~/cis106$ ccwallace2@cis106:~/cis106$ History restored
```

Below the terminal is a code editor window for 'main*' showing some Python code. The status bar at the bottom indicates the file is 6 columns wide, 4 spaces, and 8:47 PM.

Question 2

A screenshot of a Linux desktop environment. On the left is a dock with icons for Applications and Places. The central part of the screen shows a terminal window titled 'Tilix: ccwallace2@cis106: /srv'. The terminal output shows the removal of files and directories:

```
1: ccwallace2@cis106:~$ cd /srv/
ccwallace2@cis106:~/srv$ rm ~/lab5/pets/new/file1
ccwallace2@cis106:~/srv$ rm ~/lab5/pets/new/file2
ccwallace2@cis106:~/srv$ rm ~/lab5/pets/new/file3
ccwallace2@cis106:~/srv$ rm -r ~/lab5/pets
ccwallace2@cis106:~/srv$ rm -r ~/lab5/docs
ccwallace2@cis106:~/srv$ rm -r ~/lab5/songs/
ccwallace2@cis106:~/srv$ rm -r ~/lab5
ccwallace2@cis106:~/srv$ _
```

The terminal also shows a git commit message and history:

```
ccwallace2@cis106:~/cis106$ grammarly.check: command not found
ccwallace2@cis106:~/cis106$ grammarly.check: command not found
ccwallace2@cis106:~/cis106$ History restored
```

The status bar at the bottom indicates the file is 6 columns wide, 4 spaces, and 8:52 PM.

Question 3

```
Tilix: ccwallace2@cis106: ~
1: ccwallace2@cis106: ~
ccwallace2@cis106: ~$ mkdir lab5-imgs lab5-audio labs-video labs-docs
ccwallace2@cis106: ~$ mv lab5/Image5.gif lab5/Image1.jpeg lab5/Image2.jpeg lab5-imgs/
ccwallace2@cis106: ~$ mv lab5/Image3.png lab5/Image4.png lab5-imgs/
ccwallace2@cis106: ~$ mv lab5/fileA.txt lab5/fileB.txt lab5/fileB.txt lab5/trivia.txt lab5/triviaXYZ.txt lab5/vita.txt lab5-docs/
ccwallace2@cis106: ~$ mv lab5/audio.mp3 lab5/Silence.mp3 lab5/song.mp3 lab5-audio/
ccwallace2@cis106: ~$ mv lab5/Pixels.mp4 labs/Videoleaf.mp4 lab5/another.mp4 lab5-video/
ccwallace2@cis106: ~$ mv lab5/wallpapersLabs/ Pictures/NewWallpapers
ccwallace2@cis106: ~$ mv lab5/ Lab-S/
ccwallace2@cis106: ~$ _
```



```
2: ccwallace2@cis106: ~
another.mp4
Pixels.mp4
Videoleaf.mp4
image1.jpg
image2.jpg
image3.png
image4.png
fileA.txt
fileA.txt
fileB.txt
trivia.txt
triviaXYZ.txt
vita.txt
ccwallace2@cis106: ~$ ls -X1 lab5
wallpapersLabs
audio.mp3
Silence.mp3
song.mp3
another.mp4
Pixels.mp4
Videoleaf.mp4
ccwallace2@cis106: ~$ file lab5/audio.mp3
lab5/audio.mp3: Audio file with ID3 version 2.2.0, contains:\@12- MPEG ADTS, layer III, v2.5, 8 kbps, 11.025 kHz, Monaural
ccwallace2@cis106: ~$ file lab5/Pixels.mp4
lab5/Pixels.mp4: ISO Media, MP4 v2 [ISO 14496-14]
ccwallace2@cis106: ~$ _
```

Applications Places Tilix: ccwallace2@cis106-V... Pictures 9:03 PM

Question 4

```
Tilix: ccwallace2@cis106: ~
1: ccwallace2@cis106: ~
ccwallace2@cis106: ~$ mv Downloads/peexels-nati-19959461.jpg Pictures/NewWallpapers/
ccwallace2@cis106: ~$ mv Downloads/peexels-ngsoft-it-13119615.jpg Pictures/NewWallpapers/
ccwallace2@cis106: ~$ mv Downloads/peexels-felix-mittermeier-17695378 ((2160p).mp4 Pictures/NewWallpapers/
ccwallace2@cis106: ~$ mkdir Downloads/peexels-lahzeha_\17408946.jpg Downloads/newdir/
mkdir: cannot create directory 'Downloads/peexels-lahzeha_\17408946.jpg': File exists
mkdir: cannot create directory 'Downloads/newdir//': File exists
ccwallace2@cis106: ~$ mv Downloads/peexels-lahzeha_\17408946.jpg Downloads/newdir/
ccwallace2@cis106: ~$ mv Downloads/peexels-marina-rutz-de-galarreta-20209928.jpg Downloads/newdir/
ccwallace2@cis106: ~$ mv Downloads/peexels-vic-can-20295471.jpg Downloads/newdir/
ccwallace2@cis106: ~$ cp -r Downloads/newdir/ Pictures/
ccwallace2@cis106: ~$ rm -r Downloads/newdir/
ccwallace2@cis106: ~$ _
```



```
2: ccwallace2@cis106: ~/Downloads
ccwallace2@cis106: ~$ cd Downloads/
ccwallace2@cis106: ~/Downloads$ ls
code_1.86.2-1707853305_arm64.deb
Games
'peexels-felix-mittermeier-17695378 (2160p)_0garsnu.mp4.part'
'peexels-felix-mittermeier-17695378 (2160p).mp4'
peexels-nati-19959461.2NvafXOh.jpg.part
peexels-nati-19959461.jpg
ccwallace2@cis106: ~/Downloads$ mkdir newdir
ccwallace2@cis106: ~/Downloads$ ls
code_1.86.2-1707853305_arm64.deb  peexels-lahzeha_\17408946.jpg  sample1.doc
Games  peexels-marina-rutz-de-galarreta-20209928.jpg  sample1.pdf
newdir  peexels-vic-can-20295471.jpg  sample2.xls
ccwallace2@cis106: ~/Downloads$ _
```

Applications Places Tilix: ccwallace2@cis106-V... [Free Stock Photos, R... Pictures 9:11 PM

Challenge Question

