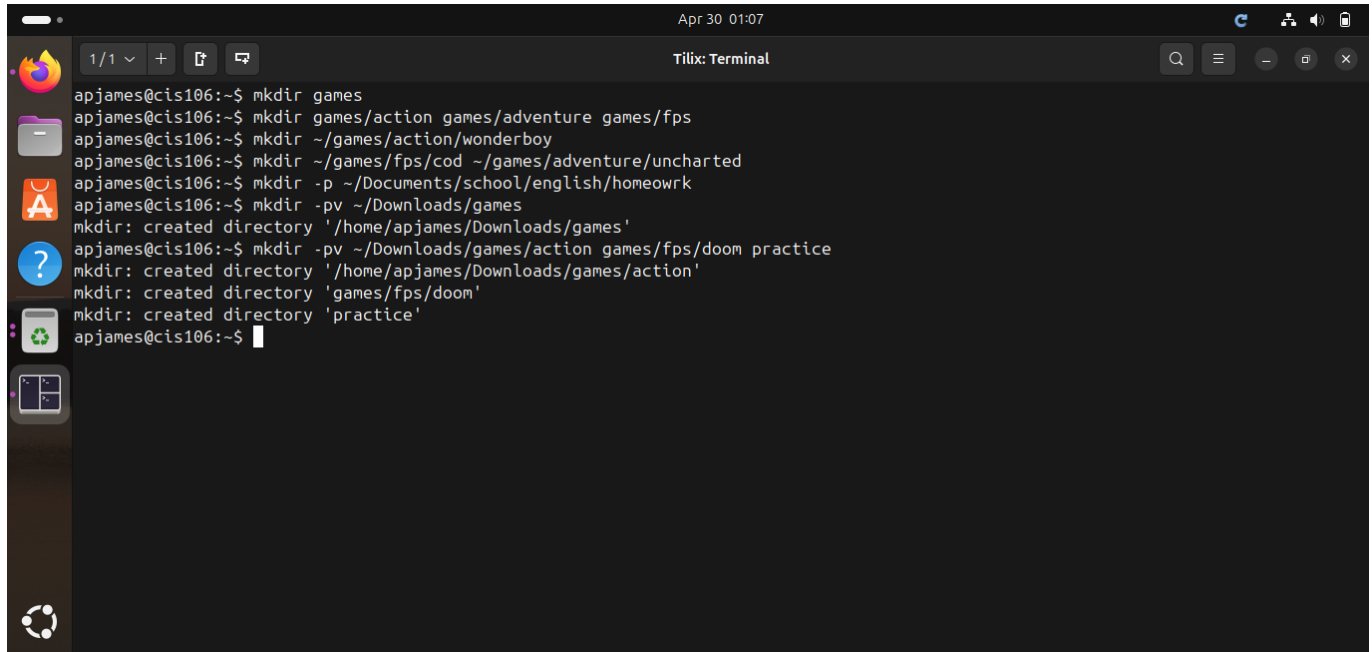


# Extra Credit 5: Managing Files/Directories

---

## Practice 1

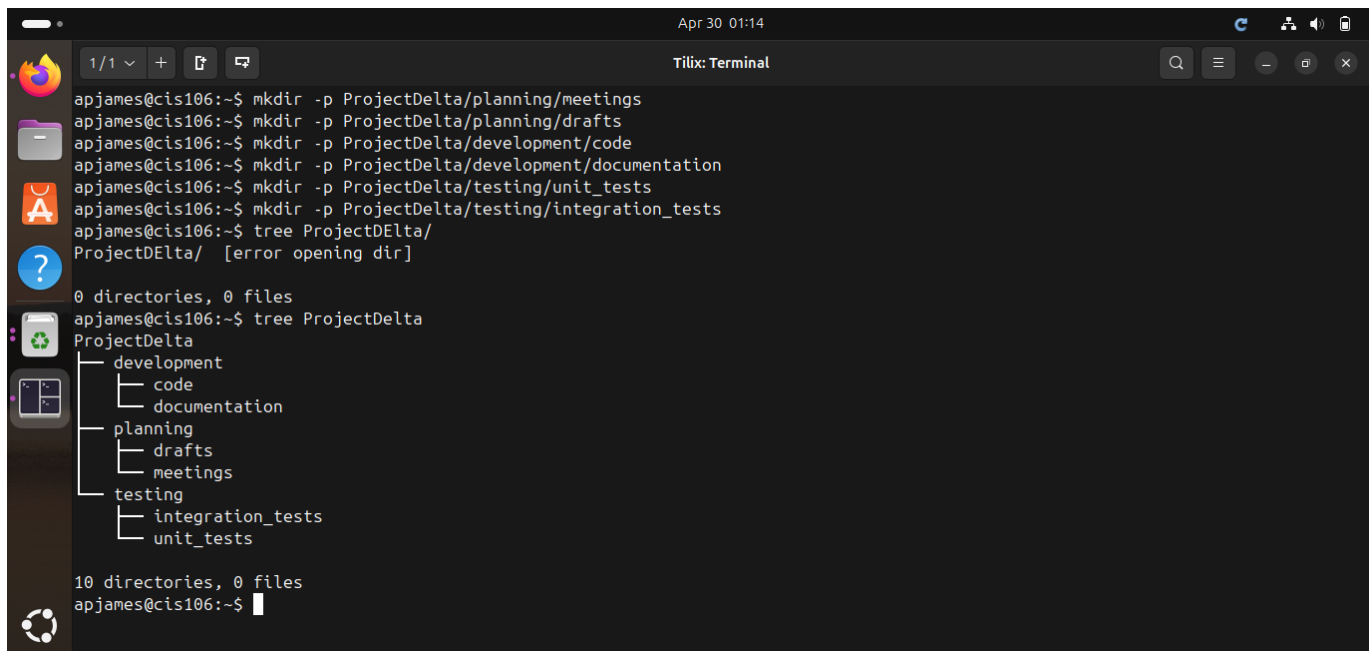
---

A terminal window titled 'Tilix: Terminal' showing a series of 'mkdir' commands to create a directory structure for games. The user 'apjames' is on host 'cis106'. The commands create a 'games' directory, then subdirectories for 'action games', 'adventure games', and 'fps'. Further subdirectories are created for 'wonderboy', 'cod', and 'uncharted' under 'action games', and 'homeowrk' under 'adventure games'. A 'pv' directory is created under 'Downloads/games', and then 'doom practice', 'action', and 'doom' are created under it. Finally, a 'practice' directory is created under 'games/fps'.

```
apjames@cis106:~$ mkdir games
apjames@cis106:~$ mkdir games/action games/adventure games/fps
apjames@cis106:~$ mkdir ~/games/action/wonderboy
apjames@cis106:~$ mkdir ~/games/fps/cod ~/games/adventure/uncharted
apjames@cis106:~$ mkdir -p ~/Documents/school/english/homeowrk
apjames@cis106:~$ mkdir -pv ~/Downloads/games
mkdir: created directory '/home/apjames/Downloads/games'
apjames@cis106:~$ mkdir -pv ~/Downloads/games/action games/fps/doom practice
mkdir: created directory '/home/apjames/Downloads/games/action'
mkdir: created directory 'games/fps/doom'
mkdir: created directory 'practice'
apjames@cis106:~$
```

## Practice 2

---

A terminal window titled 'Tilix: Terminal' showing the creation of a directory structure for 'ProjectDelta'. The user 'apjames' is on host 'cis106'. The commands create a 'ProjectDelta' directory and then subdirectories for 'planning/meetings', 'planning/drafts', 'development/code', 'development/documentation', 'testing/unit\_tests', and 'testing/integration\_tests'. The 'tree' command is used to verify the structure, showing 10 directories and 0 files.

```
apjames@cis106:~$ mkdir -p ProjectDelta/planning/meetings
apjames@cis106:~$ mkdir -p ProjectDelta/planning/drafts
apjames@cis106:~$ mkdir -p ProjectDelta/development/code
apjames@cis106:~$ mkdir -p ProjectDelta/development/documentation
apjames@cis106:~$ mkdir -p ProjectDelta/testing/unit_tests
apjames@cis106:~$ mkdir -p ProjectDelta/testing/integration_tests
apjames@cis106:~$ tree ProjectDelta/
ProjectDelta/
[error opening dir]

0 directories, 0 files
apjames@cis106:~$ tree ProjectDelta
ProjectDelta
├── development
│   ├── code
│   └── documentation
├── planning
│   ├── drafts
│   └── meetings
└── testing
    ├── integration_tests
    └── unit_tests

10 directories, 0 files
apjames@cis106:~$
```

## Practice 3

---

```

apjames@cis106:~$ touch ProjectDelta/development/documentation/readme.md
apjames@cis106:~$ touch ProjectDelta/planning/drafts/notes.md
apjames@cis106:~$ touch ProjectDelta/planning/meetings/schedule.docx
apjames@cis106:~$ touch ProjectDelta/testing/unit_tests/test.js
apjames@cis106:~$ touch ProjectDelta/testing/inteeegration_tests/instructions.md
touch: cannot touch 'ProjectDelta/testing/inteeegration_tests/instructions.md': No such file or directory
apjames@cis106:~$ tree ProjectDelta/
ProjectDelta/
├── development
│   ├── code
│   │   ├── app.js
│   │   ├── index.html
│   │   └── styles.css
│   └── documentation
│       └── readme.md
├── planning
│   ├── drafts
│   │   └── notes.md
│   └── meetings
│       └── schedule.docx
└── testing
    ├── integration_tests
    ├── unit_tests
    └── test.js
10 directories, 7 files

```

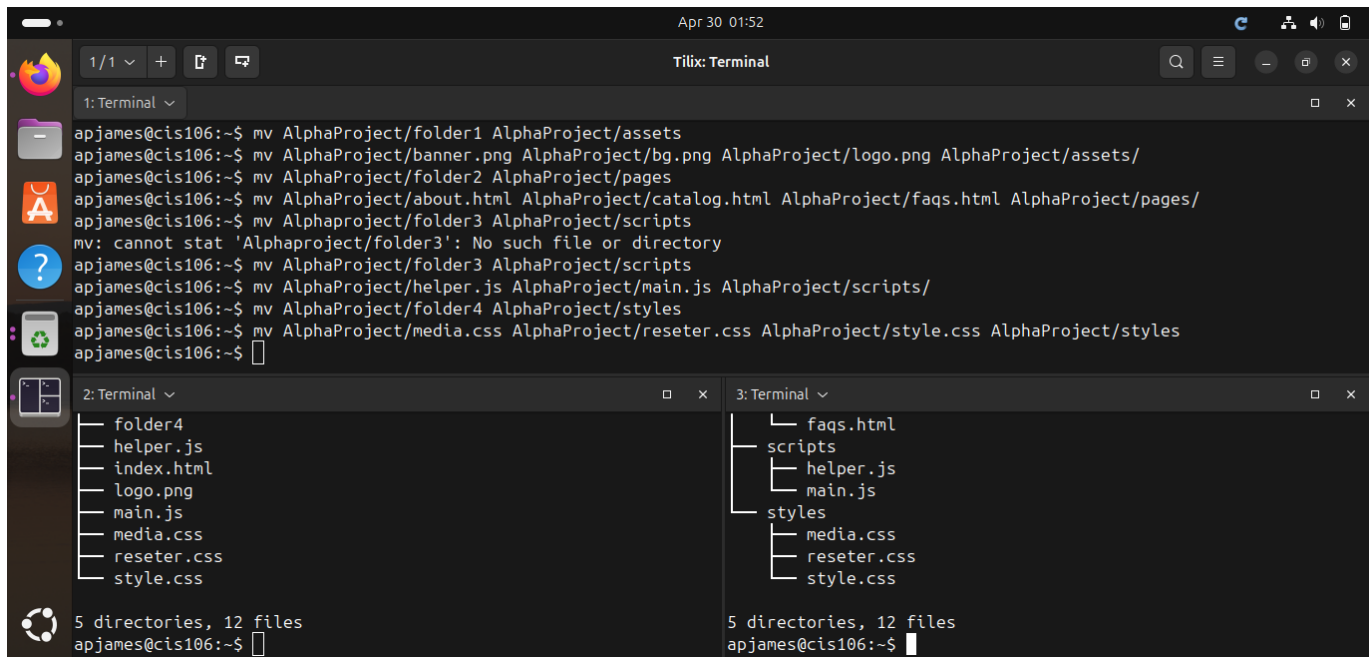
# Practice 4

```

% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
             Dload  Upload  Total   Spent    Left     Speed
  0  261  100  261  0  188  0  0:00:01  0:00:01  0:00:01  189
apjames@cis106:~$ rm -rfv OutdatedProjects/
removed 'OutdatedProjects/projectC/notes.md'
removed 'OutdatedProjects/projectC/old_data3.txt'
removed 'OutdatedProjects/projectC/code.sh'
removed 'OutdatedProjects/projectC/old_data1.txt'
removed 'OutdatedProjects/projectC/old_data2.txt'
removed directory 'OutdatedProjects/projectC'
removed 'OutdatedProjects/README.md'
removed 'OutdatedProjects/projectA/notes.md'
removed 'OutdatedProjects/projectA/old_data3.txt'
removed 'OutdatedProjects/projectA/code.sh'
removed 'OutdatedProjects/projectA/old_data1.txt'
removed 'OutdatedProjects/projectA/old_data2.txt'
removed directory 'OutdatedProjects/projectA'
removed 'OutdatedProjects/projectB/notes.md'
removed 'OutdatedProjects/projectB/old_data3.txt'
removed 'OutdatedProjects/projectB/code.sh'
removed 'OutdatedProjects/projectB/old_data1.txt'
removed 'OutdatedProjects/projectB/old_data2.txt'
removed directory 'OutdatedProjects/projectB'
removed directory 'OutdatedProjects/'
apjames@cis106:~$

```

# Practice 5



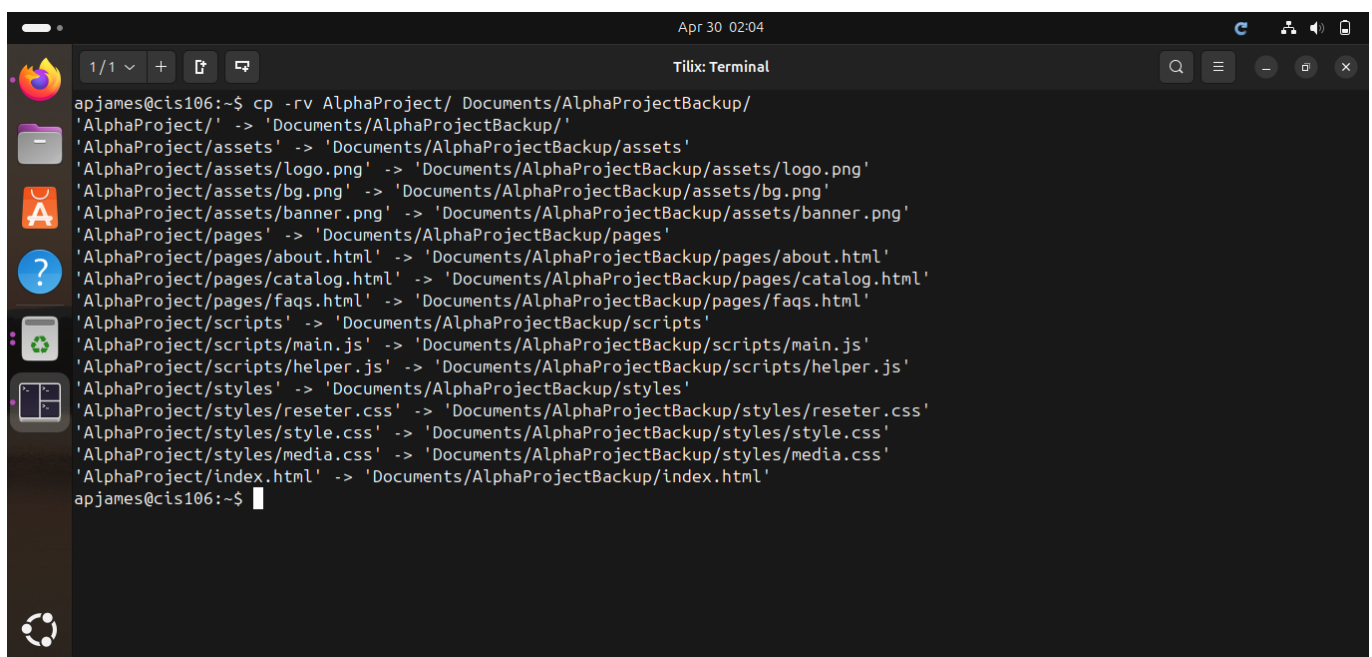
The screenshot shows a terminal window with three panes. The top pane shows a series of 'mv' commands moving files from 'AlphaProject' to various subdirectories. The middle pane shows a directory listing of the source files. The right pane shows a directory listing of the destination files.

```
1: Terminal
apjames@cis106:~$ mv AlphaProject/folder1 AlphaProject/assets
apjames@cis106:~$ mv AlphaProject/banner.png AlphaProject/bg.png AlphaProject/logo.png AlphaProject/assets/
apjames@cis106:~$ mv AlphaProject/folder2 AlphaProject/pages
apjames@cis106:~$ mv AlphaProject/about.html AlphaProject/catalog.html AlphaProject/faqs.html AlphaProject/pages/
apjames@cis106:~$ mv AlphaProject/folder3 AlphaProject/scripts
mv: cannot stat 'AlphaProject/folder3': No such file or directory
apjames@cis106:~$ mv AlphaProject/folder3 AlphaProject/scripts
apjames@cis106:~$ mv AlphaProject/helper.js AlphaProject/main.js AlphaProject/scripts/
apjames@cis106:~$ mv AlphaProject/folder4 AlphaProject/styles
apjames@cis106:~$ mv AlphaProject/media.css AlphaProject/reseter.css AlphaProject/style.css AlphaProject/styles
apjames@cis106:~$
```

```
2: Terminal
folder4
helper.js
index.html
logo.png
main.js
media.css
reseter.css
style.css
5 directories, 12 files
apjames@cis106:~$
```

```
3: Terminal
faqs.html
scripts
  helper.js
  main.js
styles
  media.css
  reseter.css
  style.css
5 directories, 12 files
apjames@cis106:~$
```

## Practice 6



The screenshot shows a terminal window with a single command being executed to recursively copy the contents of 'AlphaProject' to 'Documents/AlphaProjectBackup/'.

```
apjames@cis106:~$ cp -rv AlphaProject/ Documents/AlphaProjectBackup/
'AlphaProject/' -> 'Documents/AlphaProjectBackup/'
'AlphaProject/assets' -> 'Documents/AlphaProjectBackup/assets'
'AlphaProject/assets/logo.png' -> 'Documents/AlphaProjectBackup/assets/logo.png'
'AlphaProject/assets/bg.png' -> 'Documents/AlphaProjectBackup/assets/bg.png'
'AlphaProject/assets/banner.png' -> 'Documents/AlphaProjectBackup/assets/banner.png'
'AlphaProject/pages' -> 'Documents/AlphaProjectBackup/pages'
'AlphaProject/pages/about.html' -> 'Documents/AlphaProjectBackup/pages/about.html'
'AlphaProject/pages/catalog.html' -> 'Documents/AlphaProjectBackup/pages/catalog.html'
'AlphaProject/pages/faqs.html' -> 'Documents/AlphaProjectBackup/pages/faqs.html'
'AlphaProject/scripts' -> 'Documents/AlphaProjectBackup/scripts'
'AlphaProject/scripts/main.js' -> 'Documents/AlphaProjectBackup/scripts/main.js'
'AlphaProject/scripts/helper.js' -> 'Documents/AlphaProjectBackup/scripts/helper.js'
'AlphaProject/styles' -> 'Documents/AlphaProjectBackup/styles'
'AlphaProject/styles/reseter.css' -> 'Documents/AlphaProjectBackup/styles/reseter.css'
'AlphaProject/styles/style.css' -> 'Documents/AlphaProjectBackup/styles/style.css'
'AlphaProject/styles/media.css' -> 'Documents/AlphaProjectBackup/styles/media.css'
'AlphaProject/index.html' -> 'Documents/AlphaProjectBackup/index.html'
apjames@cis106:~$
```