

Extra Credit 5: Managing Files/Directories

MKDIR Practice

The screenshot shows a terminal window titled "Tilix: aayushmas@Linux: ~". The user has run three "mkdir -p" commands to create directory structures:

```
aayushmas@Linux:~$ mkdir -p ProjectDelta/planning/meetings ProjectDelta/planning/drafts/
aayushmas@Linux:~$ mkdir -p ~/ProjectDelta/development/code ~/ProjectDelta/development/documentation
aayushmas@Linux:~$ mkdir -p ~/ProjectDelta/testing/unit_tests ~/ProjectDelta/testing/integration_tests
```

Then, the user ran the "tree" command to view the directory structure:

```
aayushmas@Linux:~$ tree ProjectDelta/
ProjectDelta/
├── development
│   └── code
│       └── documentation
├── planning
│   ├── meetings
│   └── drafts
└── testing
    ├── integration_tests
    └── unit_tests
```

The output shows 10 directories and 0 files.

```
10 directories, 0 files
aayushmas@Linux:~$
```

Touch Practice

```
1/1 + ⌂ ⌂  Tilix: aayushmas@Linux: ~
aayushmas@Linux:~$ cd ProjectDelta/
aayushmas@Linux:~/ProjectDelta$ touch development/code/app.js development/code/index.html
development/code/styles.css
aayushmas@Linux:~/ProjectDelta$ touch development/documentation/readme.md
aayushmas@Linux:~/ProjectDelta$ touch planning/drafts/notes.md planning/meetings/schedule.
docx
aayushmas@Linux:~/ProjectDelta$ cd ../
aayushmas@Linux:~/ProjectDelta$ touch ~/ProjectDelta/testing/integration_tests/instructions.md ~/Projec
tDelta/testing/unit_tests/test.js
aayushmas@Linux:~/ProjectDelta$ tree ProjectDelta/
ProjectDelta/
├── development
│   ├── code
│   │   ├── app.js
│   │   ├── index.html
│   │   └── styles.css
│   └── documentation
│       └── readme.md
└── planning
    ├── drafts
    │   └── notes.md
    └── meetings
        └── schedule.docx
└── testing
    ├── integration_tests
    │   └── instructions.md
    └── unit_tests
        └── test.js

10 directories, 8 files
aayushmas@Linux:~$
```

Remove Practice

```
1 / 1 + ⌂ ⌂ Tilix: aayushmas@Linux: ~ Q - x
1: aayushmas@Linux: ~
aayushmas@Linux:~$ curl https://cis106.com/assets/extras/rm_practice.sh | bash
% Total    % Received % Xferd  Average Speed   Time   Time     Time  Current
          Dload  Upload Total Spent   Left Speed
100  261  100  261    0      0  846      0 --:--:-- --:--:-- --:--:--  850
aayushmas@Linux:~$ tree ~/OutdatedProjects/
/home/aayushmas/OutdatedProjects/
└── projectA
    ├── code.sh
    ├── notes.md
    ├── old_data1.txt
    ├── old_data2.txt
    └── old_data3.txt
└── projectB
    ├── code.sh
    ├── notes.md
    ├── old_data1.txt
    ├── old_data2.txt
    └── old_data3.txt
└── projectC
    ├── code.sh
    ├── notes.md
    ├── old_data1.txt
    ├── old_data2.txt
    └── old_data3.txt
 README.md

4 directories, 16 files
aayushmas@Linux:~$ rm -rv ~/OutdatedProjects/
removed '/home/aayushmas/OutdatedProjects/projectB/old_data1.txt'
removed '/home/aayushmas/OutdatedProjects/projectB/old_data2.txt'
removed '/home/aayushmas/OutdatedProjects/projectB/old_data3.txt'
removed '/home/aayushmas/OutdatedProjects/projectB/code.sh'
removed '/home/aayushmas/OutdatedProjects/projectB/notes.md'
removed directory '/home/aayushmas/OutdatedProjects/projectB'
removed '/home/aayushmas/OutdatedProjects/projectC/old_data1.txt'
removed '/home/aayushmas/OutdatedProjects/projectC/old_data2.txt'
removed '/home/aayushmas/OutdatedProjects/projectC/old_data3.txt'
removed '/home/aayushmas/OutdatedProjects/projectC/code.sh'
removed '/home/aayushmas/OutdatedProjects/projectC/notes.md'
removed directory '/home/aayushmas/OutdatedProjects/projectC'
removed '/home/aayushmas/OutdatedProjects/projectA/old_data1.txt'
removed '/home/aayushmas/OutdatedProjects/projectA/old_data2.txt'
removed '/home/aayushmas/OutdatedProjects/projectA/old_data3.txt'
removed '/home/aayushmas/OutdatedProjects/projectA/code.sh'
removed '/home/aayushmas/OutdatedProjects/projectA/notes.md'
removed directory '/home/aayushmas/OutdatedProjects/projectA'
removed '/home/aayushmas/OutdatedProjects/README.md'
removed directory '/home/aayushmas/OutdatedProjects/'
```

Move Practice

1: aayushmas@Linux: ~

```
aayushmas@Linux:~$ curl https://cis106.com/assets/extras/mv_practice.sh | bash
% Total    % Received % Xferd  Average Speed   Time   Time     Current
          Dload Upload Total Spent   Left Speed
100  176 100  176    0      0  614      0 --:--:-- --:--:-- --:--:-- 615
aayushmas@Linux:~$ mv ~/AlphaProject/folder1 ~/AlphaProject/assets
aayushmas@Linux:~$ mv ~/AlphaProject/banner.png ~/AlphaProject/bg.png ~/AlphaProject/logo.png ~/AlphaProject/assets/
aayushmas@Linux:~$ mv ~/AlphaProject/folder2 ~/AlphaProject/pages
aayushmas@Linux:~$ mv ~/AlphaProject/about.html ~/AlphaProject/catalog.html ~/AlphaProject/faqs.html ~/AlphaProject/pages/
aayushmas@Linux:~$ mv ~/AlphaProject/folder3 ~/AlphaProject/scripts
aayushmas@Linux:~$ mv ~/AlphaProject/*.js ~/AlphaProject/scripts/
aayushmas@Linux:~$ mv ~/AlphaProject/folder4 ~/AlphaProject/styles
aayushmas@Linux:~$ mv ~/AlphaProject/*.css ~/AlphaProject/style
aayushmas@Linux:~$ mv ~/AlphaProject/*.css ~/AlphaProject/styles/
aayushmas@Linux:~$ tree AlphaProject/
AlphaProject/
├── assets
│   ├── banner.png
│   ├── bg.png
│   └── logo.png
├── index.html
└── pages
    ├── about.html
    ├── catalog.html
    └── faqs.html
└── scripts
    ├── helper.js
    └── main.js
└── styles
    ├── media.css
    └── reseter.css
        └── style.css

5 directories, 12 files
aayushmas@Linux:~$
```

2: aayushmas@Linux: ~

```
aayushmas@Linux:~$ tree AlphaProject/
AlphaProject/
├── about.html
├── banner.png
├── bg.png
├── catalog.html
├── faqs.html
├── folder1
├── folder2
├── folder3
├── folder4
├── helper.js
├── index.html
└── logo.png
└── main.js
└── media.css
└── reseter.css
    └── style.css

5 directories, 12 files
aayushmas@Linux:~$
```

Copy Practice

1: aayushmas@Linux: ~

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