

# Extra Credit 5: Managing Files/Directories

## Practice 1

```
1/1 v + [ ] [ ]
Tilix: mig@cis106: ~

1: mig@cis106: ~
mig@cis106:~$ mkdir -p ProjectDelta/planning/meetings
mig@cis106:~$ mkdir -p ProjectDelta/planning/drafts
mig@cis106:~$ mkdir -p ProjectDelta/development/code
mig@cis106:~$ mkdir -p ProjectDelta/development/documentation
mig@cis106:~$ mkdir -p ProjectDelta/testing/unit_test
mig@cis106:~$ mkdir -p ProjectDelta/testing/integration_test
mig@cis106:~$ tree ProjectDelta/
ProjectDelta/
├── development
│   ├── code
│   └── documentation
├── planning
│   ├── drafts
│   └── meetings
└── testing
    ├── integration_test
    └── unit_test

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

## Practice 2

```
1/1 v + [ ] [ ]
Tilix: mig@cis106: ~

1: mig@cis106: ~
└── testing
    ├── integration_test
    └── unit_test

10 directories, 0 files
mig@cis106:~$ touch ProjectDelta/development/code/index.html
mig@cis106:~$ touch ProjectDelta/development/code/styles.css
mig@cis106:~$ touch ProjectDelta/development/code/app.js
mig@cis106:~$ touch ProjectDelta/development/documentation/readme.md
mig@cis106:~$ touch ProjectDelta/planning/drafts/notes.md
mig@cis106:~$ touch ProjectDelta/planning/meetings/schedule.docx
mig@cis106:~$ touch ProjectDelta/testing/unit_tests/test.js
touch: cannot touch 'ProjectDelta/testing/unit_tests/test.js': No such file or directory
mig@cis106:~$ touch ProjectDelta/testing/unit_test/test.js
mig@cis106:~$ touch ProjectDelta/testing/integration_test/instructions.md
mig@cis106:~$ tree ProjectDelta/
ProjectDelta/
├── development
│   ├── code
│   │   ├── app.js
│   │   ├── index.html
│   │   └── styles.css
│   └── documentation
│       └── readme.md
├── planning
│   ├── drafts
│   │   └── notes.md
│   ├── meetings
│   │   └── schedule.docx
└── testing
    ├── integration_test
    │   └── instructions.md
    ├── unit_test
    │   └── test.js

10 directories, 8 files
mig@cis106:~$
```

## Practice 3

```
1/1 v + [ ] [ ]
Tilix: mig@cis106: ~

mig@cis106:~$ 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 0 989 0 --:--:-- --:--:-- --:--:-- 992
mig@cis106:~$ rm -rfv OutdatedProjects/
removed 'OutdatedProjects/projectC/code.sh'
removed 'OutdatedProjects/projectC/notes.md'
removed 'OutdatedProjects/projectC/old_data2.txt'
removed 'OutdatedProjects/projectC/old_data1.txt'
removed 'OutdatedProjects/projectC/old_data3.txt'
removed directory 'OutdatedProjects/projectC'
removed 'OutdatedProjects/projectA/code.sh'
removed 'OutdatedProjects/projectA/notes.md'
removed 'OutdatedProjects/projectA/old_data2.txt'
removed 'OutdatedProjects/projectA/old_data1.txt'
removed 'OutdatedProjects/projectA/old_data3.txt'
removed directory 'OutdatedProjects/projectA'
removed 'OutdatedProjects/README.md'
removed 'OutdatedProjects/projectB/code.sh'
removed 'OutdatedProjects/projectB/notes.md'
removed 'OutdatedProjects/projectB/old_data2.txt'
removed 'OutdatedProjects/projectB/old_data1.txt'
removed 'OutdatedProjects/projectB/old_data3.txt'
removed directory 'OutdatedProjects/projectB'
removed directory 'OutdatedProjects/'
mig@cis106:~$
```

Practice 4

```
1/1 v + [ ] [ ]
Tilix: mig@cis106: ~

mig@cis106:~$ 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 0 989 0 --:--:-- --:--:-- --:--:-- 992
mig@cis106:~$ rm -rfv OutdatedProjects/
removed 'OutdatedProjects/projectC/code.sh'
removed 'OutdatedProjects/projectC/notes.md'
removed 'OutdatedProjects/projectC/old_data2.txt'
removed 'OutdatedProjects/projectC/old_data1.txt'
removed 'OutdatedProjects/projectC/old_data3.txt'
removed directory 'OutdatedProjects/projectC'
removed 'OutdatedProjects/projectA/code.sh'
removed 'OutdatedProjects/projectA/notes.md'
removed 'OutdatedProjects/projectA/old_data2.txt'
removed 'OutdatedProjects/projectA/old_data1.txt'
removed 'OutdatedProjects/projectA/old_data3.txt'
removed directory 'OutdatedProjects/projectA'
removed 'OutdatedProjects/README.md'
removed 'OutdatedProjects/projectB/code.sh'
removed 'OutdatedProjects/projectB/notes.md'
removed 'OutdatedProjects/projectB/old_data2.txt'
removed 'OutdatedProjects/projectB/old_data1.txt'
removed 'OutdatedProjects/projectB/old_data3.txt'
removed directory 'OutdatedProjects/projectB'
removed directory 'OutdatedProjects/'
mig@cis106:~$
```

Practice 5

```
Tilix: mig@cis106: ~  
1/1 | + | - | x  
1: mig@cis106: ~  
mig@cis106:~$ curl https://cis106.com/assets/extras/mv_practice.sh | bash  
% Total % Received % Xferd Average Speed Time Time Time Current  
Dload Upload Total Spent Left Speed  
100 176 100 176 0 0 523 0 --:--:-- --:--:-- --:--:-- 523  
mig@cis106:~$ mv AlphaProject/folder1 AlphaProject/assets  
mig@cis106:~$ mv AlphaProject/banner.png AlphaProject/bg.png AlphaProject/logo.png AlphaProject/assets/  
mig@cis106:~$ mv AlphaProject/folder2 AlphaProject/pages  
mig@cis106:~$ mv AlphaProject/about.html AlphaProject/catalog.html AlphaProject/faqs.html AlphaProject/pages/  
mig@cis106:~$ mv AlphaProject/folder3 AlphaProject/scripts  
mig@cis106:~$ mv AlphaProject/helper.js AlphaProject/main.js AlphaProject/scripts/  
mig@cis106:~$ mv AlphaProjects/folder4/ AlphaProject/styles  
mv: cannot stat 'AlphaProjects/folder4/': No such file or directory  
mig@cis106:~$ mv AlphaProject/folder4/ AlphaProject/styles  
mig@cis106:~$ mv AlphaProject/media.css AlphaProject/reseter.css AlphaProject/style.css AlphaProject/styles  
mig@cis106:~$ 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  
mig@cis106:~$
```

## Practice 6

```
Tilix: mig@cis106: ~  
1/1 + ▢ ▢  
1: mig@cis106: ~  
mig@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'  
mig@cis106:~$
```