

Section 2 Worksheet: UNIX

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Let's get some practice with the UNIX commands you've been learning! Some helpful links as you work on this worksheet:

Connecting to Myth: <https://web.stanford.edu/class/cs107/getting-started.html>

Links to UNIX command resources: <https://web.stanford.edu/class/cs107/resources/unix.html>

1) Open a terminal and ssh into Myth.

```
ssh SUNET@myth.stanford.edu
```

2) You should be in your home directory. Create two folders: cs107 and cs107a

```
mkdir cs107 cs107a
```

3) Within your cs107a folder, create a folder called section2

```
cd cs107a; mkdir section2
```

4) Within this section2 folder, create folders and empty files to make the following file hierarchy:

```
:) adbenson@myth58 ~/private/cs107a-win21
03:35 AM $ tree section2
section2
├── fileE.txt
├── folderA
│   ├── fileD.txt
│   └── folderB
│       └── fileC.c
```

```
cd section2
```

```
touch fileE.txt
```

```
mkdir folderA
```

```
touch folderA/fileD.txt
```

```
mkdir folderA/folderB
```

```
touch folderA/folderB/fileC.c
```

For the following questions, don't actually run the command.

5) If the current working directory is section2, what command would you use to delete fileD.txt? `rm folderA/fileD.txt`

6) If the current working directory is section2, what command would you use to move and rename fileE.txt so that it's called fileF.txt and is inside folderA?

```
mv fileE.txt folderA/fileF.txt
```

7) If the current working directory is section2, what command would you use to find instances of the word "cs107" within fileC.c?

```
grep cs107 folderA/folderB/fileC.c
```