02 - Unix Comprehension Check

Phaneendra Valaboju - Harvard Data Science Professional

Unix

Working Directory

It is important to know which directory, or folder, you're in when you are working from the command line in Unix. Which line of code will tell you the current working directory?

- `cd`
- `pwd` [X]
- `rm`
- `echo`

Previously Executed Code

You can't use your computer's mouse in a terminal. How can you see a line of code that you executed previously?

- Type `pwd`
- Type `echo`
- Use the up arrow [X]
- Press the enter key

pwd Output

Assume a student types `pwd` and gets the following output printed to the screen: `/Users/student/Documents`. Then, the student enters the following commands in sequence:

```
mkdir projects
```

```
cd projects
```

What will be printed to the screen if the student types `pwd` after executing the two lines of code shown above?

- `/Users/student/Documents`
- `/Users/student/Documents/projects` [X]
- `/Users/student`
- `cd: projects: No such file or directory`

Moving Files 1

The following is the full path to a your homework assignment file called "assignment.txt": `/Users/student/Documents/project`

Which line of code will allow you to move the assignment.txt file from the "homeworks" directory into the parent directory "projects"?

- `mv assignment.txt`
- `mv assignment.txt .`
- `mv assignment.txt ..` [X]
- `mv assignment.txt /projects`

Moving Files 2

You want to move a file called `assignment.txt` file into your `projects` directory. However, there is already a file called "assignment.txt" in the `projects` directory.

What happens when you execute the "move" (`mv`) command to move the file into the new directory?

- The moved "assignment.txt" file replaces the old "assignment.txt" file that was in the "projects" directory with no warning. [X]
- An error message warns you that you are about to overwrite an existing file and asks if you want to proceed.
- An error message tells you that a file already exists with that name and asks you to rename the new file. incorrect
- The moved "assignment.txt" file is automatically renamed "assignment.txt (copy)" after it is moved into the "projects" directory.

Unix Commands

Which of the following statements does NOT correctly describe the utility of a command in Unix?

- The `q` key exits the viewer when you use `less` to view a file. incorrect
- The command `ls` lists files in the current directory.
- The command `mkdir` makes a new directory and moves into it. [X]
- The `mv` command can move a file and change the name of a file.