Math 490 Linux Homework

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In the following you will use the LinuxSage pdf to solve a series of exercises designed to help you get more comfortable with using linux and the command line.

Problem 1

The `man` command is a quick way to get information on a specific Linux command. Run `man man` to learn how to use it.

Problem 2

Create a folder entitled Math490. Enter the folder and use `touch temp` to create a file.

Problem 3

Now copy your newly created file to a new file with the title `temp2`.

Problem 4

What's the difference between the following two commands?

```
cp temp temp3
mv temp temp3
```

How would you rename a file?

Problem 5

Use `emacs` to create a new file named "answers". Put the answer to the previous question in "answers" and save your file.

Also put the location of your home directory in your file and a quick acronym of how to access it. Hint: tilde slash.

Problem 6

Use `ls` to view the current files in the directory. What does `ls -la` do?

Problem 7

How would you delete a file? How would you delete a directory?

Problem 8

Experiment with and readup on the following commands, `pwd, more, less, jobs, bg, fg, cat`.

Problem 9

Now create files titled `1.d,2.d,3.d` and use the `cat` command to concatenate them into a file named `4.d`. You may want to use `>` a few times. Bonus points for doing this without `emacs`.

    The next two problems are a bit advanced. You may want to read up on the command `grep`.

Problem 10

Readup on the command `wget` and download the following url: math.wisc.edu/ jain/words into your home directory.

Problem 11

Read the `man` page and http://www.cyberciti.biz/faq/grep-regular-expressions/ on the `grep` command. Now search `words` for all words containing:

- A -

- Two l's in a row

- Three letters