

Homework 1: Homework Can Be Fun!

Assigned: Monday 05 February

Due Date: Monday 12 February

Objectives

To continue familiarizing with the **nano** text editor, understanding how to use basic Unix commands (**cp**, **mv**, and **cat**), and reinforcing how to submit assignments. NOTE: Unless otherwise noted, be sure to hit Enter(PC) or return(Mac) after every command.

Part 1: Original Joke or Motto

1. Login to GL and make sure you are in your home directory (**pwd**).
2. Type **nano joke.txt** to start a new file called “joke.txt”.
3. Type your best (clean) joke or personal motto. Edit any mistakes using the **Backspace** or **Delete** key to backspace like you would in a normal word processor like Microsoft Word. When you get to the end of a line, hit the enter (PC) or return (Mac) key at a reasonable spot instead of letting the text wrap around to the next line. Remember that **nano** is simply a text editor and does not format things nicely for us.
4. Save your work as you go by pressing **CTRL-O** for “write out.”
5. To exit nano, press **CTRL-X**. If you have made changes since you last saved, it will ask you if you want to save the file, so press **y** for yes, then press enter (PC) or return (Mac) when prompted, to save the filename. It is highly advisable NOT to change the filename.
6. Use the command **cat joke.txt** to check that your joke or motto was correctly saved.
7. Have someone check if the joke is funny. If not, **rm joke.txt** and try another joke or motto.
8. Submit joke.txt.

```
[arsenaul@linux1 ~]$ submit cmsc104_arsenaul hw1 joke.txt
```

9. Check your submission to make sure the file was properly submitted. If there is no output, *your submission didn't go through* so repeat step 8, making sure you are in the right directory with the file.

```
[arsenaul@linux1 ~]$ submitls cmsc104_arsenaul hw1
```

Part 2: Welcome to Dad Jokes

1. Make a copy of your, “joke.txt”, file and call it “joke2.txt”.

```
[arsenaul@linux1 ~]$ cp joke.txt joke2.txt
```

2. Use `nano joke2.txt` to edit your “joke2.txt” file and add the following joke to the end of the file (or come up with your own!):

```
Why do ducks have webbed feet?  
To stamp out fires.
```

```
Why do elephants have flat feet?  
To stamp out flaming ducks!
```

3. Save changes to the file by typing `CTRL-X` to Exit, `y` to agree to save, and hitting enter (PC) or return (Mac) to save using the provided file name.
4. Submit your new “joke2.txt” file.

```
[arsenaul@linux1 ~]$ submit cmisc104_arsenaul hw1 joke2.txt
```

5. Type `logout` to log out.

Grading Rubric

- joke.txt is complete: 45 points
- joke2.txt is complete: 45 points
- typescript is complete and not garbled: 10 points

What to Submit

You should have already submitted the 2 joke files (joke.txt, joke2.txt) by following the instructions above.

Log back into your GL account. Use the `script` command to record yourself viewing your joke files using the `cat` command. Do not record yourself editing your files! Exit from script and submit your typescript file.

```
[arsenaul@linux1 ~]$ script  
Script started, file is typescript  
[arsenaul@linux1 ~]$ cat joke.txt  
NOTE: Your joke/motto should display here.  
[arsenaul@linux1 ~]$ cat joke2.txt  
NOTE: Your joke/motto should display here, followed by the ducks/elephants joke.  
[arsenaul@linux1 ~]$ exit  
exit  
Script done, file is typescript  
[arsenaul@linux1 ~]$ submit cmisc104_arsenaul hw1 typescript
```

Verify

Make sure you submitted the assignment correctly.

```
[arsenaul@linux1 ~]$ submitls cmsc104_arsenaul hw1
```