1 Hints:

Let's write our second shell script!

1. Open a file named 'script2.sh' in VIM or nano (use nano if your VIM is being weird or you just don't like VIM).
2. On the first line writes the *shebang* i.e. '#!/bin/bash' for the bash shell.
3. Save your work.
4. Enter down to line number 3.
5. Start writing your script!
6. Save and quit.
7. Run your script using 'bash script2.sh'.

2 Instructions:

First, we will set up what you will need to submit for the lab:

1. Change directories to your ∼/csce215 directory.
2. In the '∼/csce215' directory, create a directory named similar to "username_lab03-5"
3. Now go into the 'username_lab03-5' directory.
4. Create two new **empty** files: 'script2.sh' and 'username_lab03-5.txt'

Now you will create your second script! As we saw last time, a script is a file full of commands that run in order. Your script should do the following when you run it using 'bash script2.sh':

1. Run the 'whoami' command.
2. Run 'date' command.
3. Run 'uptime' command.
4. Check to see if a specific file exists, in this case testfile.txt. Use an if statement, like this:

```
if [ -e testfile.txt ]; then
    echo "File exists!"
else
    echo "File not found"
fi
```

5. NOTE: The spacing is important for the above example, MAKE SURE YOU HAVE THE SPACING EXACTLY THE SAME
6. Use 'touch' to create a new file called 'info.txt'
7. Check to see if 'info.txt' exists using an if statement like shown above.
8. Delete 'info.txt'
9. Run your script once you are confident with it using "bash script2.sh".
10. Copy the output of the script (i.e. use your mouse to select and copy the output of the script) and paste it into your username_lab03-5.txt file.

Now we will tarball our submission up for submission so your lab is all packaged up nice and neat!

1. Now, go up one directory to get out of the directory named 'username_lab03-5' that we created at the beginning.
2. Use the 'tar' command we learned in class to tarball your directory and its two files, 'script2.sh' and 'username_lab03-5.txt'.
3. Don't worry about understanding this next part! We will go over it next week! Here is the command for packing up your submission:

```
tar -zcvf username_lab03-5.tar.gz username_lab03-5
```

4. If all went well when you list the files and directories in your current directory you should see that the tar command outputs the something similar to the following:

```
username_lab03-5
username_lab03-5/username_lab03-5.txt
username_lab03-5/script2.sh
```

5. If you see more than these three lines you probably didn't clean up your directories/files from the previous steps!
6. Now you should have a nice tarball to submit called 'username_lab03-5.tar.gz'. Submit this to the course Dropbox website!

3 Submission:

Submit your final tarball named 'username_lab03-5.tar.gz' to Blackboard.