

Caleb Gray
Lab 8

1.

```
# enable programmable completion features (you don't need to enable
# this, if it's already enabled in /etc/bash.bashrc and /etc/profile
# sources /etc/bash.bashrc).
if ! shopt -oq posix; then
    if [ -f /usr/share/bash-completion/bash_completion ]; then
        . /usr/share/bash-completion/bash_completion
    elif [ -f /etc/bash_completion ]; then
        . /etc/bash_completion
    fi
fi
export PATH="$PATH":"$HADOOP_PREFIX"/bin
export PATH=$JAVA_HOME/bin:$PATH
export HADOOP_CLASSPATH=$JAVA_HOME/lib/tools.jar
```

```
cgray15@cscd-doop01:/home$ vim /home/EASTERN/cgray15/.bashrc
cgray15@cscd-doop01:/home$ source ~/.bashrc
-bash: ~/.bashrc: No such file or directory
cgray15@cscd-doop01:/home$ source ~/.bashrc
```

2.1

```
Calebs-MacBook-Pro:~ calebgray$ sftp cgray15@146.187.135.37
cgray15@146.187.135.37's password:
Connected to 146.187.135.37.
sftp> cd /home/EASTERN/cgray15
sftp> put /Users/calebgray/Documents/Lab8w/files/file1
Uploading /Users/calebgray/Documents/Lab8w/files/file1 to /home/EASTERN/cgray15/file1
/Users/calebgray/Documents/Lab8w/files/file1          100% 17    11.8KB/s   00:00
sftp> /Users/calebgray/Documents/Lab8w/files/file2
Invalid command.
sftp> put /Users/calebgray/Documents/Lab8w/files/file2
Uploading /Users/calebgray/Documents/Lab8w/files/file2 to /home/EASTERN/cgray15/file2
/Users/calebgray/Documents/Lab8w/files/file2          100% 23    9.0KB/s   00:00
sftp> put /Users/calebgray/Documents/Lab8w/files/WordCount.java
Uploading /Users/calebgray/Documents/Lab8w/files/WordCount.java to /home/EASTERN/cgray15/WordCount.
java
/Users/calebgray/Documents/Lab8w/files/WordCount.java 100% 3467  1.2MB/s   00:00
sftp> ls
WordCount.java  file1          file2
sftp> bye
```

2.2 and 3.1

```
[cgray15@cscd-doop01:~$ ls
file1  file2  WordCount.java
[cgray15@cscd-doop01:~$ hadoop fs -ls /user/cgray15
```

3.2 / 3.3 / 3.4

```
[cgray15@cscd-doop01:~$ hadoop fs -mkdir /user/cgray15/wc
[cgray15@cscd-doop01:~$ hadoop fs -mkdir /user/cgray15/wc/input
[cgray15@cscd-doop01:~$ hadoop fs -ls /user/cgray15/wc
Found 1 items
drwxr-xr-x  - cgray15 supergroup          0 2017-02-23 11:18 /user/cgray15/wc/input
```

3.5 / 3.6 / 3.7

```
[cgray15@cscd-doop01:~$ hadoop fs -copyFromLocal ./file1 /user/cgray15/wc/input
[cgray15@cscd-doop01:~$ hadoop fs -copyFromLocal ./file2 /user/cgray15/wc/input
[cgray15@cscd-doop01:~$ hadoop fs -cat /user/cgray15/wc/input/file1
cat: `/user/cgray15/wc/input/file1': No such file or directory
[cgray15@cscd-doop01:~$ hadoop fs -cat /user/cgray15/wc/input/file1
hello
world
test
[cgray15@cscd-doop01:~$
```

3.8

```
[cgray15@cscd-doop01:~$ hadoop fs -copyToLocal /user/cgray15/wc/input/file2 /tmp
copyToLocal: `/tmp/file2': File exists
```