This assignment is designed to guide you through a few common tasks to perform in bash. There is no grade for this assignment, but you should be comfortable with these commands.

1. Make a new directory called “bio496”.
   1. Enter that folder with *cd.*
2. Make a new directory for testing called “my test folder”.
   1. Check that you created it with *ls.*
   2. Did it work? If not, what went wrong?
3. Make a new text file inside of your newly created test folder with *nano* called “names.txt”.
   1. Inside that file add the names “Andy” and “Zebra” on separate lines.
   2. Save the file and exit nano
   3. Check the contents of the file with: *head names.txt*
   4. Change to your home directory with: *cd ~*
   5. Check the contents of the file again with: *head names.txt*
   6. Did it work? If not, what changed? Why does that command no longer work?
4. Make a new text file in the same directory as “names.txt” called “read\_names.sh”
   1. Copy and paste the following code into that text file:

while read my\_line;

do

echo $my\_line

done <names.txt

* 1. Now run “test read\_names.sh” with: *bash* read\_names*.sh*
  2. Did it print out the two lines in your text file?

1. Use *mv* to move your read\_names.sh file to be inside of your bio496 folder (not the test folder inside of the bio496 folder.
   1. Try running the script again with: *bash* read\_names*.sh*
   2. Did it work? If not, what went wrong?
   3. If it did not work, you may need to change the path of names.txt
2. Go back to your “read\_names.sh” file and change the third line to use: *mkdir* instead of *echo*
   1. Now run the script again with: *bash* read\_names*.sh*
   2. What changed? Check with *ls*
3. At this point, let’s assume you have messed up horribly. Delete the whole test folder with *rm*.
   1. Did it work?
4. Be sure to try each of the “Essential Bash Commands” at least once!