

## Lab #2: Intro to Shell Scripting

*Students will familiarize themselves with UNIX shell scripting using basic commands to manipulate the file system.*

### Instructions:

1. Log in using your assigned username and password.
2. Open a “Console” window.
3. Write a script called “mysls” that will perform similarly to how the ls command does.
4. Start by making myls print out all files in the present directory.
5. Next, make the script print out all files in a different (hard-coded) directory.
6. Next, make the script prompt the user to enter a directory (interactively) and print all files in the specified directory.
7. Now, enhance the script so that it will print \* beside each executable file in the directory, and d beside directories. It should also print out the read/write permissions as r and w (if you have them – if not, it should just print a - instead).
8. Finally, to make your myls that much more professional looking, modify it so that it will take the directory as a command line argument, rather than an interactive prompt. In other words, you should be able to run it as:

`./mysls /usr/local`                      *(if the script's execute permission is set)*

OR

`bash myls /usr/local`                      *(if not)*

*Email your completed myls script to Mike.*