



UNIVERSITY of NEW ORLEANS
DEPARTMENT OF COMPUTER SCIENCE

Shell Commands (Terminal, command prompt, or command line interface)

pwd: print working directory (the current directory). Windows users try **cd** or **cd** ,

ls: list all the files and directories in the current location (navigate through them and select where you want to go next). Windows users try **dir**

cd: to change your current directory.

mkdir: make a directory.

rm: remove a file.

rmdir: remove a directory.

javac -version: Returns the version of the JDK installed on your PC.

java -version: Returns the Java version installed on your PC.

javac mycode.java: reads source files that contain module, package and type declarations written in the Java programming language and compiles them into class files that run on the Java Virtual Machine.

Java mycode: run your code.

Git Version Control

Git is a distributed version control system (DVCS). It allows you to perform the following action:

1. Keep track of all files in a project.
2. Record any changes to project files.
3. Restore previous versions of files.
4. Compare and analyze code.
5. Merge code from different computers and different team members.

We will use Git for all the lab assignments. For each assignment, you will create a new folder named **lab_assignment#** in your **username_1581** directory.

Git Commands

git clone repository URL: make a copy of a remote repository locally.

git status: see the current state of things in your local repository.

git add filename: adds a file to the repository.

git add .: adds all files under the current directory.

git commit -m "your message": records changes to the local repository.

git push origin main (or master): sends all local changes to the remote repository.

git pull origin main (or master): retrieves all changes others made to the remote repository and applies them to the local repository.

git --help: list all git commands.

If you want to remove a folder/file, follow the steps:

git rm -r *file/folder name*.

git commit -m *"Remove a file"*

git push origin main

Setting Git:

git config --global user.email *"youremail"*

git config --global user.name *"yourname"*