Using Git on Pycharm:

1. Install Pycharm if you haven’t already (see details in the Group handbook)
2. Follow steps in the tutorial for how to install and set up Git on your local machine
3. Make sure you have a Github account (download Google Authenticator or any TOTP mobile app)
4. Follow this instruction for setting up the authentication <https://docs.github.com/en/github/authenticating-to-github/configuring-two-factor-authentication>
5. Follow the tutorial to create a repo on Github
6. Open Pycharm and choose “Get from version control”
7. Choose GitHub and click on the repository you just created. Type in a directory where you want these files to be saved (make sure giving it a new directory). Click “Clone”.
8. Same step if you want to clone someone else’s repo.
9. Configure Pycharm to remember you Github passwords by doing the following:

File - Preferences - Appearance & Behavior - System Settings - Passwords - select in native keychain

1. Add files to a local repo: VSL - Git - Add
2. Follow the tutorial on how to add files or file types in .gitignore. If you are cloning from Github, there should be a default .gitignore already. If not, go to New - File - type in .gitignore as your file name
3. When you are on version control, you can track changes through color codes. Green (line added), Blue (line changed), Gray (line deleted), Black (no change).
4. Follow the tutorial to figure out what “branch”, “commit”, “push”, “merge”, “pull” does. You can do all of these in VSL - Git.
5. Side note:

Make sure you have ASE installed before running the exercise scripts.

preferences - Project Interpreter - “+” on the left bottom - search for “ase” – install

1. Useful link <https://www.jetbrains.com/help/pycharm/using-git-integration.html>