

CSC 317 & INF 307

Lab 3 – Introduction to Git

Perform the following tasks in order. Consult the Instructor or TA if you need assistance.

NB. The following tasks only require you to have git installed. We do not need GitHub yet. See this [link](#) for details on installing git.

1. Create a new project folder called `lab3_id` (e.g. `lab3_pscsc190001`).
2. Open a terminal application. This can be powershell, command prompt, unix bash, etc.
3. Verify that git is correctly installed by running the `git --version` command
4. Create a file called `first.txt` within your project folder and add some content.
5. Create another file called `second.txt` within your project folder and add some content
6. `cd` into the created folder
7. use `git init` to initialize your project folder as a git repository
8. Check the status of your files with the `git status` command
9. Add the `first.txt` file to the staging area (`git add first.txt`)
10. Commit the changes in the `first.txt` file using an appropriate message (`git commit -m "message"`)
11. Verify your commit using the `git log` command
12. Make changes to the `first.txt` file
13. Add both `first.txt` and `second.txt` files to the staging area
14. Check the status of the files again. Discuss the output.
15. Commit all changes using an appropriate message
16. Create a new branch called `branch-2` (`git branch branch-2`) and switch to it (`git checkout branch-2`)
17. Create another file in your project folder called `third.txt`
18. Make additional changes to the `second.txt` file
19. Add all changes to the staging area and commit.
20. Switch back to the main branch and view the content of your files. Discuss your observations.