GitLab: online storage for git repos.

Git: tracks local changes.

1. Create folder CS330e
2. Create subfolder git
3. On GitLAb
   1. Create a folder, Project1
   2. Visibility: public/private
4. On your Laptop
   1. Switch to the “git” folder
   2. Copy the contents of the remote GitLab folder “project1” using “git clone …”
   3. Create a file called Hello.py (shortcut: echo "print(\"Hello World! \")" > Hello.py)
   4. In a git folder, any newly created file will be untracked. An untracked file is not a part of any previous commit. To stage the file, you need to use the command “git add .”. Staging a file or a set of files will add them to a snapshot of a set of changes that will be committed later. Finally, to commit the changes, you use the command ‘git commit -m “….” ‘
   5. Finally, to send the local changes to remote, you need to use the command “git push origin main”
5. On your Laptop, whenever you need to update a working project, it is recommended to create a dev branch. In the dev branch, you keep working on your modifications and when your code works well, you can integrate these changes back to the working project.
   1. To create a dev branch, you use the commands “git branch dev” and “git checkout dev”. Alternatively, you can do both in one step “git checkout -b dev”.