WEEK 8

Mandatory Hands-On

**GIT and Version Control**

**Clean up and push back to GIT**

**Cleaning Up and Pushing Back to Remote in Git**

When working with Git, sometimes your local repository might have untracked files, unnecessary changes, or outdated branches. Cleaning up ensures your local repository is neat before pushing updates to the remote.

**1. Clean Up Untracked Files and Directories**

If you want to remove files/directories that are not tracked by Git:

git clean -fd

* -f → Force deletion (required for safety).
* -d → Remove untracked directories as well.

**Note:** This action is irreversible — deleted files cannot be recovered unless backed up.

**2. Discard Local Changes**

If you have changes you don’t want to keep:

git checkout -- <file>

Or to discard changes in **all files**:

git restore .

**3. Pull Latest Changes from Remote**

Ensure your local repo is up-to-date before pushing:

git pull origin <branch\_name>

**4. Stage and Commit Your Changes**

Add the updated files:

git add .

Commit with a message:

git commit -m "Cleaned up repo and updated files"

**5. Push Back to Remote**

Finally, push your changes to the remote repository:

git push origin <branch\_name>

**Sample Output:**

