**GIT Exercises**

- Initialize a Git Repository

**git init**

- Add files to the repository

**git add dummyFile.txt**

- Unstage 1 file

**git reset dummyFile.txt**

- Commit the files

**git commit -m "Adding File" dummyFile.txt**

- Add a remote

**git remote add githubPractice** [**git@github.com**](mailto:git@github.com)**:/g1r1sh/Practice.git**

- Undo changes to a particular file

**git commit –amend**

- Push changes to Github

**git commit -m "Adding File Again" dummyFile.txt**

**git push githubPractice master**

- Clone the repository

**git clone git@github.com:g1r1sh/Practice.git github.com/g1r1sh/PracticeClone.git**

- Add changes to one of the copies and pull the changes in the other.

**git remote add githubPracticeClone** [**https://github.com/g1r1sh/PracticeClone.git**](https://github.com/g1r1sh/PracticeClone.git)

*Made changes to Practice repos dummyFile.txt and pushed it in PracticeClone*

**git push githubPracticeClone master**

- Add changes to both repos, try to push from both without taking a pull.

?

- Check differences between a file and its staged version

*Unstaged files are untracked and shown in red color on the console. We can use*

**[git add <filename>]**

*to add the files to staging area so that they can be commited.*

*We can use* **[git diff --staged]** *to see what changes are staged.*

- Ignore a few files to be checked in

**git add SampleFolder/\*.\***

**git rm SampleFolder/file1.txt**

- Create a new branch. Diverge them with commits

**git branch newBranch**

**git checkout newBranch**

**vi newBranchFile.txt**

**git add newBranchFile.txt**

**git commit -m "Added file in new branch" newBranchFile.txt**

**git push githubPractice newBranch**

**git checkout master**

- Edit the same file at the same line on both branches and commit

Try merging and resolve merge conflicts

**git merge newBranch**

*It prompt the user to resolve same line conflicts.*

- Stash the changes and pop them

**git stash**

**git stash list**

**O/P: stash@{0}: WIP on master: d7c9bbe Added file in new branch**

**git stash drop stash@{0}**

**OR**

**git stash pop**