**Git Commands for Pushing and Pulling the Codes from Local Repository to GitLab or GitHub**

**Confirm Git is Installed:** git –version

**Configure Git:**

* Add Username: git config --global user.name “username”
* Add Email: git config --global user.email “email”
* Check the configuration: git config --global --list

**Clone a Repository:**

* With SSH: git clone [git@gitlab.com:gitlab-tests/sample-project.git](mailto:git@gitlab.com:gitlab-tests/sample-project.git)
* With HTTPS: git clone <https://gitlab.com/gitlab-tests/sample-project.git>
* With Using a Token: git clone [https://<username>:<token>@gitlab.sample.com/tanuki/awesome\_project.git](https://%3cusername%3e:%3ctoken%3e@gitlab.sample.com/tanuki/awesome_project.git)

**To view the files, go to the new directory:** cd sample-project

**View current branch:** git branch

**Pull all the branch into local system from a repository:** git fetch

**View all the remote branch for a repository:** git branch -r

**To view how many branches are there in local system for a repository:** git branch -a

**Open recent directory folder in VS Code:** code .

**Convert a local directory into a repository:** git init

**Add a Remote:** git remote add origin [git@gitlab.com:username/projectpath.git](mailto:git@gitlab.com:username/projectpath.git)

**View your remote repository:** git remote -v

**Download the latest changes in the project:** git pull <remote> <name of the branch>

**Create a branch:** git checkout -b <branch name>

**Switch to a branch:** git checkout <name of the branch>

**View difference**: git diff

**View the files that you have changes**: git status

**Add and commit local changes:** git add <file name OR folder name>

**Confirm that the files have been added to the staging:** git status

**To commit the staged file:** git commit -m “comments to describe the intension of the commit”

**Stage and commit all changes:** git commit -a -m “comment to describe the intension of the commit”

**Send the changes to GitLab Repository:** git push <origin(the URL)> <branch name>

**Delete all changes in the branch:** git checkout .

**Delete a Branch from Local**: git branch -d <branch name>

Delete a branch from Remote: git push origin -d <branch name>

**Unstage all the changes that has been added to the staging area:** git reset

**Undo most recent commit:** git reset HEAD~1

**Merge a branch to default branch:** git checkout <default-branch>

git merge <feature-branch>