

GIT AND GITHUB COMMANDS

Working in Local Repository

1. `git config --global user.name "karthickcse22"`
2. `git config --global user.email-karthickcse22@gmail.com`
3. For initializing: **git init**
4. Now you can check the status of the git by using the command: **git status**
5. For adding the new file which created use the command: **git add file.txt**
6. Check whether it is added in your local git repository: **git status**
7. Now, to commit the newly add file use the command: **git commit -m "First Commit" file.txt**
8. Again check the status, **git status**
9. To check the changes done use the command: **git log** and you have come out this command use **press q**

Working Remote Repository

1. Go to GitHub account; create a new repository in your own account.
2. Now cloning has to be done between local and remote repository: **git clone URL**
3. After creating the repository, now we want to push the file which is created in local system using the command: **git push -u origin.**
4. Now u can check the remote repository the new file we get added.
5. If you want to make changes in file which is present in remote you can do by click edit option and for storing the changes in your local repository you have the pull the files from remote.
git pull URL

Likewise, you can make changes in your local file also and push the changes to remote by **add, commit and push** commands

Git Branching

1. Initially, check any branch is available using: **git branch** it will display the branch list
2. To create a new branch: **git branch name (e.g.: git branch develop)**
3. To switch from one branch to another use: **git checkout develop**
4. To do creation of new and switching of branch use the command: **git checkout -b features**
5. Now, you can add files; edit files using the command **touch and vim.**
6. For merging the two branch use: **git merge develop features**
7. For deleting the branch: **git branch -d develop**

Git Rebase: (Alternate for Merging)

1. Git rebase is used to merge the two branch only after few commits, to do that use: **git rebase main features**