How to use GitHub

Create an account in GitHub <https://github.com/>

Create a repository by giving name and do add or change anything else.

*Git clone URL of your GitHub account repo*

- This will copy your github items into your local computer folder.

**How to configure**

$ git config --global user.name "John Doe"

$ git config --global user.email [johndoe@example.com](mailto:johndoe@example.com)

$ git config --list --show-origin

*Git init <project name> -- this will create a folder for project.*

You can use this for existing project to initiate to git.

**Git init from the path**

**Add file into a folder:**

Check the file status

*Git status*

Whichever is red it is not committed

**Stage a file:**

Git add REAMME.md -- this will be used to add a new or modified files to git

Git add . – this will be used to add more files from PWD

**Commit the file:**

Git commit –m “Initial commit”

Still the file in the local and sent to Github

**Push the file to GitHub**

Git remote –v – this will show the repository which has linked with github

git remote add origin [git@github.com:muthukkumarankaliyamoorthy/SQL-AutoMon-free-monitoring-tool](mailto:git@github.com:muthukkumarankaliyamoorthy/SQL-AutoMon-free-monitoring-tool) -- this will add the repository with local git

Git pull origin master – make sure to run this to have remote with local to be sync

git pull origin branchname --allow-unrelated-histories (use this for any history error)

*Git push – u origin master—first time we need to use u parameter*

*Git push origin master*

How to add a new file to git when you added in your local system

Git add <file name> -- this will be used to add a new or modified files to git

*Git status*

To find a difference or modification in a file

*Git diff <file name>*

*Git log – This will be used to see the log.*

*Git checkout <commit number>– This will be used to go back into your changes, commit number can be taken from git log.*

*Git checkout master – will match with master.*

git log --topo-order --all --graph --date=local --pretty=format:'%C(green)%h%C(reset) %><(55,trunc)%s%C(red)%d%C(reset) %C(blue)[%an]%C(reset) %C(yellow)%ad%C(reset)%n'

Removing a file using Git

git rm file-name

Removing a file using Terminal

rm file-name

This removes the file outside Git's knowledge

Updating Git's Index (staging area)

git add -u

The -u parameter will recursively update Git's staging area regarding deleted/moved files outside of Git.

Remove Repo:

git remote remove origin

OR

git remote rm origin

git push -u origin master