**Git Git life cycle**

**f1= name of the file**

GIT

f1

fk

**Staging or index**

$git commit --“msg” f1

**Local**

$git push f1

**WorkSpace**

$git add f1

$git reset head f1

$git reset --soft cid

**Import commends;;**

**Git init : go install the repository**

**Git config --global user.name “devops” to config the user name and email**

**Gti config –global user.email “demo@gmail.com” these 3 are one time setup**

**Git config –list**

**Ls -a (hidden files )**

**Touch file name (create empty file)**

**Git status (check the status( Red workspace) Green (staging /index)**

**Git add file name (to send workspace to index)**

**Git status**

**Git commit -m “msg” ( to commit index to local)**

**Git log**

**Git status:**

**Git reset head file name: (it return to the workspace staging index)**

**Git reset --soft cid: (it return to the staging index local)**

**Git reset --mixed cid :( it return to workspace local )**

**Git show cid : ( how many file in commit id )**

**Log commends**

**Git log --oneline(info display in one line )**

**Git log –n (n=number) (number of lines ex git log --3)**

**Git log --author=username ( it display particular user logs)**

**Git log –since=yyyy-mm-dd**

**Git log –until=yyyy-mm-dd**

**Branch**

**Git branch**

**Git branch name (create new branch)**

**Git checkout branch name (change the branch)**

**Git branch -d name (remove branch )**

**Git checkout -b branch name (create branch and same time enter in that branch)**

**Git merge**

**Extra commands**

**git stash :** git stash takes the current state of the working directory and index and puts in on the stack for later use

git stash apply :

git revert :

git difftool origin/master(“compare to changes ”)