**Windows normal installation:**

download file & install

git

git init

git config --global user.name "usha1416"

git config --global user.email "yusha1416@gmail.com

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**Linux**:

yum update

yum install git

git

which git - location - /usr/bin/git

cd /opt

mkdir Batch41

cd Batch41

ls

git status

git init (to initialize the empty git repository)

ls -la or ls -al(will get hidden files/directories)

cd .git/

ll

git status

git config --global user.name "usha1416"

git config --global user.email "yusha1416@gmail.com"

git config --list

**Git Phases:**

Workspace Area - Untracked files

Staging/Indexing Area - Changes to be committed - Intermitted Area - Commit logs will save here

Local Repo

touch file1 file2 file3

git status

git add . or \* or file names

git status - Red

git commit -m "lable message" filename

git status - green

git log

git show commitId

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**Class2:**

Workspace to Staging - git add filename

Staging to local repo - git commit -m "lable msg" filename

local repo - staging - git reset --soft CID - vi(Condition Applied)

staging to Workspace - git reset HEAD file

We can move modified files from Workspace to local repository

git reset --mixed CID

**touch, cat, VI(view editor)**

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**touch**

touch chinnu

touch chiru

**CAT**

cat > devops

hello World

ls

cat >> devops1(adding data)

hello world1

ls

**VI(Edit or Replace)**

vi file

esc i - insert mode

...........

...........

...........

esc :w - save

esc :q - quit

esc :wq

esc :wq! - force quit!

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**Class:3**

git clone https://github.com/usha1416/DevopsPractice-2025.git

git push https://github.com/usha1416/DevopsPractice-2025.git (repository URL)

git pull

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**Class:4**

git log

git log --oneline

git log --oneline -n(number)

git log -5(recent 5logs)

git log --author=name(person)

git log --author=name(person) --oneline

git log --author=name(person) --oneline -3(number)

git log --since=yy.mm.dd(middle to end logs)

git log --until=yy.mm.dd(starting to particular date)

git log --since=yy.mm.dd -until=yy.mm.dd(in between)

**Removal of files or directories over the repository level**

rm -rf directory name or file

git status

git add .

git commit -m "deleting files" directoryname

git push

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**Branch:**

git branch

git branch branchname(master1)

git checkout branchname

git merge branchname

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