**For Config:**

=> git config --global user.name "Bishworaj Poudel" => git config --global user.email "[iambrp.tech@gmail.com](mailto:iambrp.tech@gmail.com)"

**To View user.name and email**

git config --list

**To Get Help:**

=> git help => git help

**Initialize a Repository**

=> git init

**To Add File To Staging Area**

=> git add filename => git add filename1 filename2 => git add . [To Add All Files In Directory]

**To Commit Change**

=> git commit -m 'Short and Sweet Message' => git commit -am 'Staging and Comit Directly'

**Clone Existing Repository**

=> git clone <project\_url>

**Checking the Status Files**

=> git status => git status -s [Short Status]

**View Difference**

=> git diff [ Find difference between commited and unstaged files ] => git diff --staged [difference in staged files]

**To Remove File From git**

=> git rm filename

**To Move File**

=> git mv file\_from file\_to [If we rename the file]

**To Move staged file to not staged**

=> git reset HEAD => git reset HEAD file1.txt

**To Unmodifying a Modified File**

=> git checkout filename

**To View Commit History**

=> git log => git log --oneline [Oneline Easy and Fast] => git log --stat [More History] => git log --pretty=oneline [Show SHA1 Value] => git log --pretty=format:"%h %s" --graph => git log --pretty=format:"%h - %an, %ar : %s" => git log --since=2.weeks => git log --after=2.weeks => git log --author "Bishworaj Poudel" => git log --oneline --decorate --graph --all

**To ignore files:**

=> create .gitignore file => then add filename/foldername line by line => \*.c => ignore al .c files => !main.c => not ignore main.c file => node\_modules/ => Directory node\_modules and all files inside it.

**To Unstaging a Staged File with git restore**

=> git restore => git restore --staged file1.txt

**To Work With Remote Repository**

=> git remote show origin [To View Remote Origin Details] => git remote -v => git remote add origin : => git push origin master => git pull => pull data with current head => git fetch => only download the data to local repository => git fetch origin mod => To retrive remote branch => git remote rename pb paul => git remote remove paul => git push origin --delete bad-branch-name

**Git Tag**

=> git tag -l => git tag --list => git tag -a v1.4 -m "my version 1.4" => git show v1.4 => git tag v1.4-lw [Lightweigt] => git tag -d v1.4-lw => git checkout v2.0.0

**To Transfer Tag to Remote**

=> git push origin .

**Working With Branch**

=> git branch testing [To Creating Testing Branch] => git checkout testing [Switch Branch] => git commit -am 'made a change' => git checkout master [To Move to Master Branch] => git checkout -b .[Creating branch and switching to it] => git branch --merged => git branch --no-merged => git branch --move bad-branch-name corrected-branch-name

**Redo Commit**

=> git reset => git reset SHA1 => git reset -hard SHA1

**Git Stash**

=> git stash save => git stash list => git stash pop => git stash apply stash{0} => git stash clear => git stash grop stash

**Merge**

git merge branchname git merge --no-ff branch name

Rebase

**git rebase branchname**