**Git Bash Commands**

Init

clone

add

status

commit

push

pull

checkout

reset

log

rm

branch

merge

rebase

stash

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We can make changes in the github using below

Git GUI

Git bash

IDE like eclipse and visual studio

we are having several git commands to perform operations with git repository

Note : Our repository is available in git hub.commands

https://github.com/subburu/Vedu.git

**Git Bash Commands**

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git help :It provides frequently used commands

git help init : IT will open documentation for that particular command

git help stash :

It will also install git documentation

**git-init**  It is used to Create an empty Git repository or reinitialize an existing one

.**git file** will be created which is a **hidden file**

**git status** : This command will display status of current repository

what are the changes we have done in the local , using git status we will know

**Stage files** :

1. Files which are added and they are ready to commit
2. This file names will be displayed in green colour

**Unstaged files** :

1. Modified files will be displayed here , we need to stage this files to commit
2. This file names will be displayed in red colour

**Untracked files :**

1) Newly created files we need to stage them to commit

2) This file names also will be displayed in red colour

**Basic Commands**

**git add filename** : To add a particular file – This command is used to add for staging area - staging area is where files are eligible to commit

**git add \***

**git add --a** : To add all the files at a time

**Unstage all the files**

The file which you do not want to commit : then unstage the file

**git rm --cached file name** : Is used to unstage files , remove the files for committing

**git rm --cached Test.txt**

**git rm --cached \*** : All the files are removed for commiting

**git commit -m 'message'**

This command is used to commit our changes to git local repository

Whenever you commit the changes will be available in local repository only

These changes are not committed to central repository

**Note :** Local repository will be available in our machine only

**Note :** When we execute commit command it will consider all the files which are in staging area

20 files are in staging area , then want to commit only 15 , then unstage the files using rm

I want to share this code with other team members , then code should be available in central repository

**How can we commit to central repository**

git remote add origin <https://github.com/subburu/Vedu.git>

Git remote add origin <https://github.com/subburudiya/Gittutorial.git>

git push -u origin master

-**u means user**

this git push command is used to commit the changes from local repository to central repository

now if you have the git url ,, you can download the code ..you should be able to see the code

This is call team coordination , one will keep the code in the central repository

To commit our files to remote repository we should execute below commands

1)git remote add <repository url> -- this requires only for the first time

2)git push -u origin master (this is used to move changes from local repository to central repository

write some code in the file and check

**Status command is used to check**

Tracked

Untracked

Stagging

Unstaged files

**To stage** your file we use add command

If we have multiple commands add --a

git status to check the file is staged or unstaged

**Difference between rm and reset command**?

If the **file is already existing in the central repository** then we have to use reset command

If the file is available only in **the local repository (the new file)** then we use rm command

**git rm --cached Test.txt**

**git rm –cached \***

**git reset Head Test.java :** used to unstage the files

**Difference between commit and push command ?**

Commit command is used to local repository

push command is used to make the changes from local repository to central repository

**git status**

The files which are eligible for commit are called staging files

The files which are not add and not eligible for staging area is called unstaging files

git reset : It is used to unstage a file

Syntax : git reset Head <file -name>

clear

**Checkout --**

The modifications are done to ignore the changes .. I want to remove only my changes

It is used to discard the changes done in file

Your branch is head of origin/master by 1 commit

Those changes are not pushed to the central repository

git push to publish the local code to public repository

only ignore my changes that I have done

git checkout -- It is used to discard the changes done in a file

git checkout -- filename

git checkout -- \*