

GIT KK

1)mkdir : make directory

“it creates a folder”

2)cd project : cd means change directory

“it enters into the project folder.”

3)ls : ls means list of files/folders in the current directory

But in command prompt “ls” is not working. Alternative is “dir”

- use "cd .." To navigate to the previous directory (or back)

4)git init:

D:\GIT_KK>git init

Initialized empty Git repository in D:/GIT_KK/.git/

Initialises a empty git repository in current directory

5) type nul > names.txt : to create an empty file in that directory

6)git status:

Gives about the changes that happened recently

7) git add . : everything in that directory which is changed but not saved will be saved to the git repo

8)git commit -m “names file added” :

Giving a message regarding the change we made

/ * dir /ah shows hidden files lg */

Now you want to push the changes to your Git repository hosted with GitHub. You do this by telling Git to add a remote location, and you do that with this command:

git remote add origin https://github.com/yourusername/your-repo-name.git

*Note: your-repo-name should be created in GitHub before you do a git remote add origin ...

Once you have done that, Git now knows about your remote repository. You can then tell it to push (which is "upload") your committed files:

git push -u origin master

9)to edit a file:

```
D:\GIT_KK>copy con names.txt
hello
Overwrite names.txt? (Yes/No/All):
Overwrite names.txt? (Yes/No/All): yes
hi this is
a sai prashanth
^Z

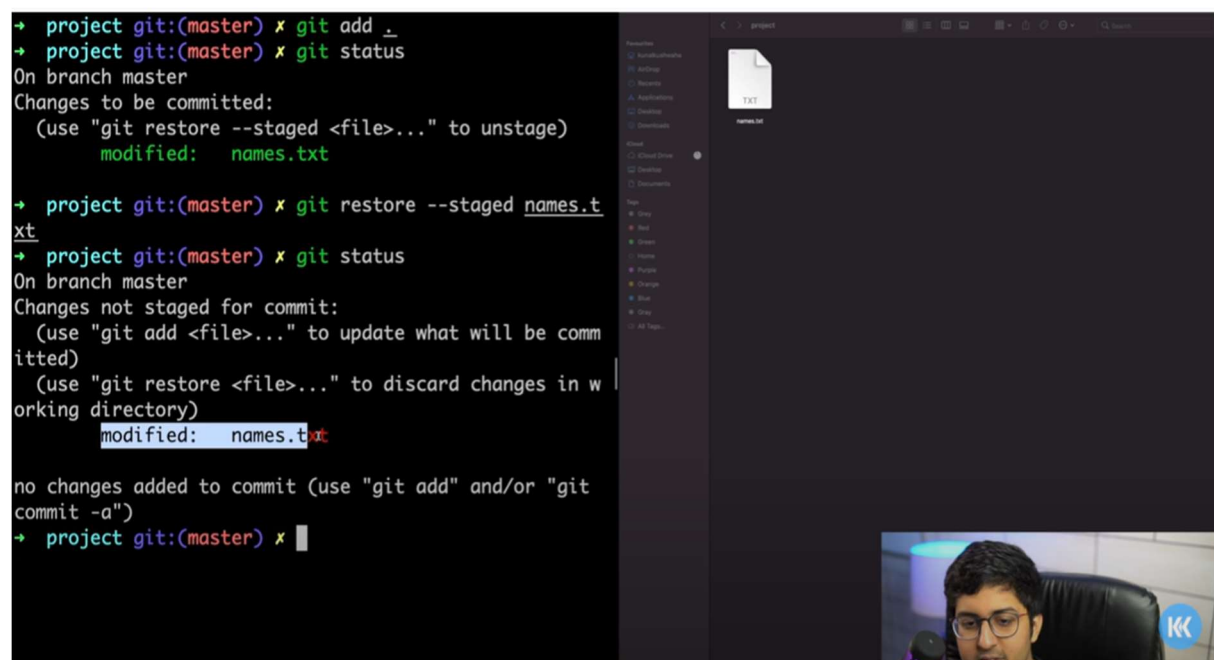
        1 file(s) copied.

D:\GIT_KK>
```

10)To display content in that text file:

Command: **type names.txt**

11) suppose if we saved the changes of our file by the command “git add .” we can undo it by doing “git restore --staged names.txt”



```
+ project git:(master) x git add .
+ project git:(master) x git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified:   names.txt

+ project git:(master) x git restore --staged names.txt
+ project git:(master) x git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   names.txt

no changes added to commit (use "git add" and/or "git commit -a")
+ project git:(master) x
```

```

D:\GIT_KK>git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   GIT KK.docx
        modified:   names.txt
        modified:   ~$GIT KK.docx

no changes added to commit (use "git add" and/or "git commit -a")

D:\GIT_KK>git add .

D:\GIT_KK>git restore --staged names.txt

D:\GIT_KK>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   GIT KK.docx
        modified:   ~$GIT KK.docx

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   names.txt

D:\GIT_KK>

```

Here u typed to restore only names.txt so only that file changes have been not saved.

12)To see our entire commit history:

Use this command: “git log”

```
D:\GIT_KK>git log
commit 636c09b8f3e7086b7d3abfe473305d5231f94dce (HEAD -> master)
Author: saiprashanth14 <akuthotaprashanth2003@gmail.com>
Date: Sun Oct 31 17:34:33 2021 +0530

    dbf

commit e13255b9f285752f1710a5dceba4981f103d3513
Author: saiprashanth14 <akuthotaprashanth2003@gmail.com>
Date: Sun Oct 31 17:32:29 2021 +0530

    modified

commit 5e7b2cac726bc6c762246c8b88eb07a41232fe69
Author: saiprashanth14 <akuthotaprashanth2003@gmail.com>
Date: Sun Oct 31 16:05:39 2021 +0530

    added

D:\GIT_KK>
```

Commit id

14) suppose u want delete a commit or u want your changes to be undo so for that what we can do is. We can copy the **commit id** as shown in above picture. And then use this command **"git reset <commit id>"**. this command deletes all the commits above it

EX: as per above image if u want to go back to your repo that is there on **sun oct 31 16:05:39** just copy that commit id and do

"git reset 5e7b2cac.....fe69" then all the commits that are above it will be deleted.

To exit git log, type **"q"** or **"z"**.

Git stash:

I didn't understand this well please check the video again

The thing I understood is

Step-1: modify the file

Step-2: git add .

Step-3: instead of committing we do "git stash" now these things are in back stage.

Step-4: if we want then back we do "git stash pop"

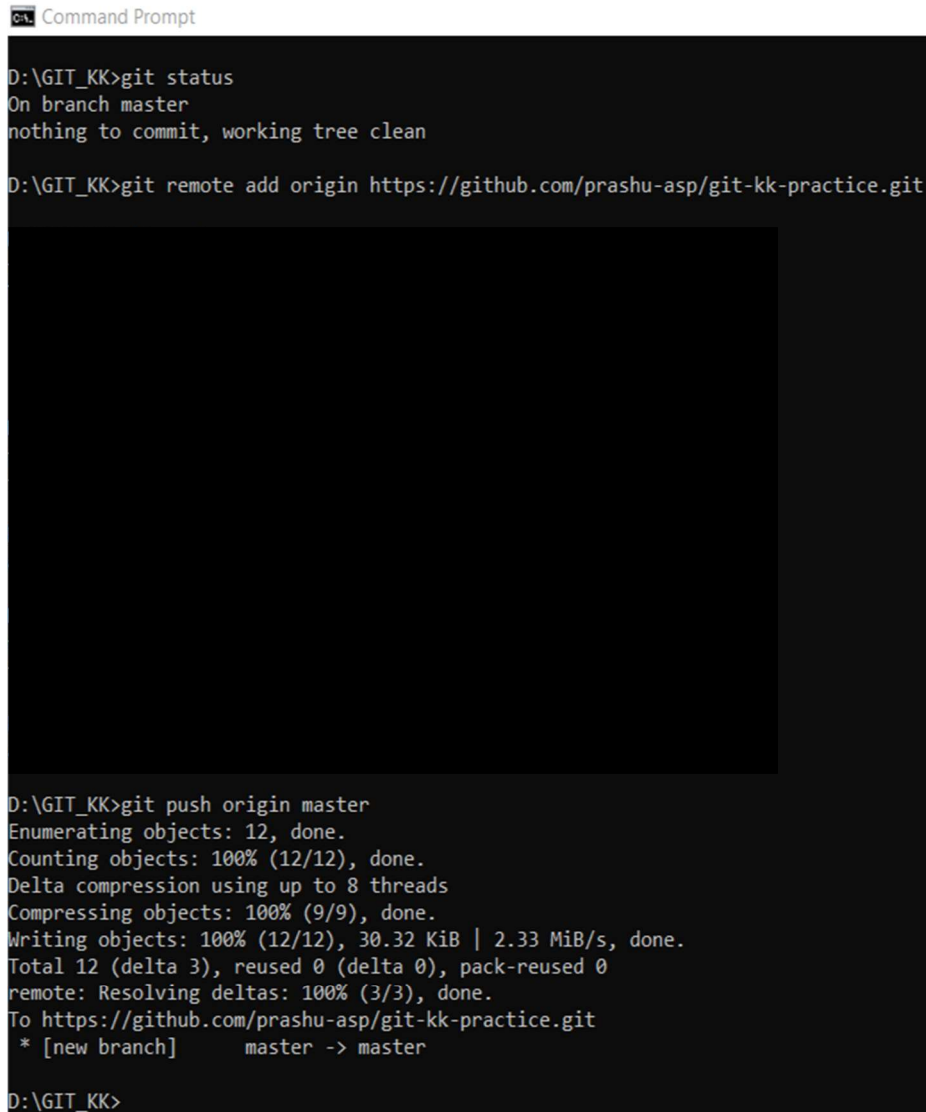
Step-5: if we want to clear the things which are in back stage we do "git stash clear" .

Adding our files to main repo in github.com:

step-1: create a repo in your github and copy the url and type

“git remote add origin <url>” , “git push origin master”

Your committed changes will be updated to your github repo.



```
Command Prompt
D:\GIT_KK>git status
On branch master
nothing to commit, working tree clean

D:\GIT_KK>git remote add origin https://github.com/prashu-asp/git-kk-practice.git

D:\GIT_KK>git push origin master
Enumerating objects: 12, done.
Counting objects: 100% (12/12), done.
Delta compression using up to 8 threads
Compressing objects: 100% (9/9), done.
Writing objects: 100% (12/12), 30.32 KiB | 2.33 MiB/s, done.
Total 12 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), done.
To https://github.com/prashu-asp/git-kk-practice.git
 * [new branch]      master -> master

D:\GIT_KK>
```

Then your repo in github will be updated. So yes this how u can update files to your github repo from local folder.

Now we will see how u can clone a repo to your local folder in your pc

Step-1: Fork a repo to your github account

Step-2: copy the url

Step-3: in cmd go to the folder (cd) where u want that repo files and type **"git clone <url>"**

Then all the files are downloaded to your folder now modify anything if u want.

And follow the procedure to update them in github repo.

1) git add .

2) git commit -m "jsbhf"

3) git push origin master(or main)

*******FOR OPENSOURCE CONTRIBUTION OR ANY OTHER**

CONTRIBUTION Make pull request from the branch of your repo but not from main branch of the repo.

why because basically each branch supports only one PR. So if u make a another PR from the same branch then it will be sent as a just commit to the previous PR.

so if u want to add 10 new features to the main repo then if u add 1 feature and make a PR and then if u add another feature to the same branch and if u make a PR then this will be just sent as a commit to the previous PR. So the owners cant view your changes properly.

so for every new PR should do it from a new branch.

It will not even update your PR it will be in same place with two 2 commits. And if u modify the code belonging to previous PR then that also will changed here . So u should modify the code by making new branch and then make PR.

To create a new branch:

1) "git branch <branch name>"

2)"git checkout <branch name> " (this makes that head is now in this branch.

Modify the files and then

3)git add .

4)git commit -m "jbhs"

5)git push origin <branch name> (origin means our local repo on our github.com page) (upstream means main repo of owners.)

Removing a commit from the pull request by force pushing to it:

1) git log

2) select the commit id which is just below the commit u want to delete

3)git reset <commit id>

4)git stash

5)git push origin <branch name> -f (here u need to force push this one as u want to delete the commit that is there in github.com website. That's why "-f")

Suppose in your git repo

u did one commit through cmd and another commit through github

Then **git log** in your cmd only shows one commit that is made through cmd

if u want the commit that is made through github also then do

“git pull”

This fetches the changes that made to your repo though github

Now if u click **“git log”** then u will see the all commits (through cmd made and through github made)

```
E:\formt\form1>git log
commit b9df17eec433e4b2388c5f09a972d42aa9b55f29 (HEAD -> main, origin/main)
Author: saiprashanth14 <akuthotaprashanth2003@gmail.com>
Date: Thu Nov 18 22:30:54 2021 +0530
```

```
added
```

```
E:\formt\form1>git pull
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 654 bytes | 0 bytes/s, done.
From https://github.com/prashu-asp/form1
   b9df17e..e7802a6  main      -> origin/main
Updating b9df17e..e7802a6
Fast-forward
 index.html | 4 ++--
 1 file changed, 2 insertions(+), 2 deletions(-)
```

```
E:\formt\form1>git log
commit e7802a68e4c653ca19decad15892478fe9273f87 (HEAD -> main, origin/main)
Author: prashu-asp <92110486+prashu-asp@users.noreply.github.com>
Date: Thu Nov 18 22:37:15 2021 +0530
```

```
Update index.html
```

```
commit b9df17eec433e4b2388c5f09a972d42aa9b55f29
Author: saiprashanth14 <akuthotaprashanth2003@gmail.com>
Date: Thu Nov 18 22:30:54 2021 +0530
```

```
added
```

