GIT and GIT Hub

Create a dir **mkdir story**

Then cd story and create a new file **touch chapter.txt**

Then edit this file **Vim chapter1.txt**

Write a line in it and save by **esc :w** (to save)

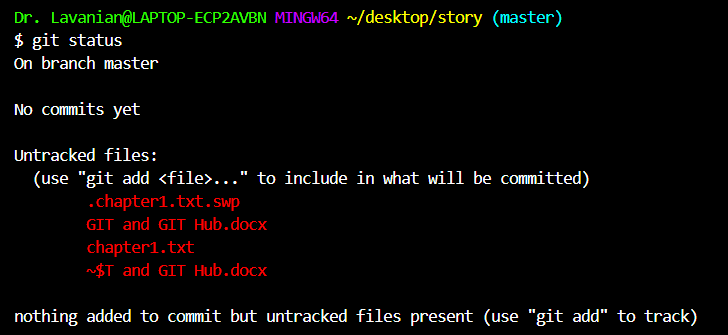
To exit the editor **esc :q** this will save and exit **esc :wq**

Now let us try GIT. initialize it by **git init**

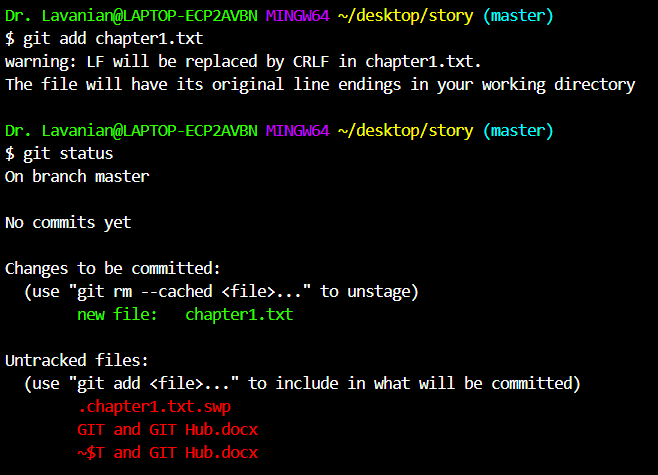
.git is an invisible folder that will track all changes. Story btw is the working directory

To see invisible files type **ls -a**

You can put, as per choice, files that you wish to track/versionize into a staging area. To do this , first see what is there with the command **git status** untracked files are shown in red

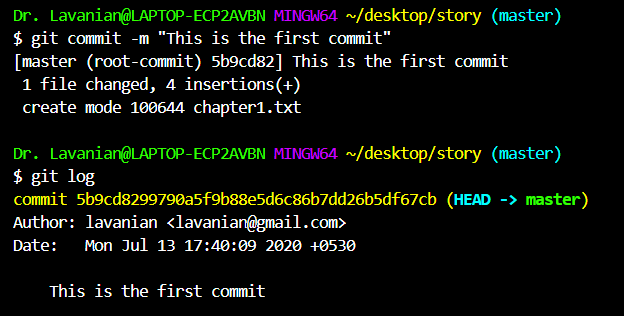


To add files to track simply do git add <file name> in this case **git add chapter1.txt**



The file/files have not yet been committed, so to commit give the command git commit (it is a good idea to add -m to add your comments so that you know what this version or save is) so the command finally will be **git commit -m “This is the first commit”**

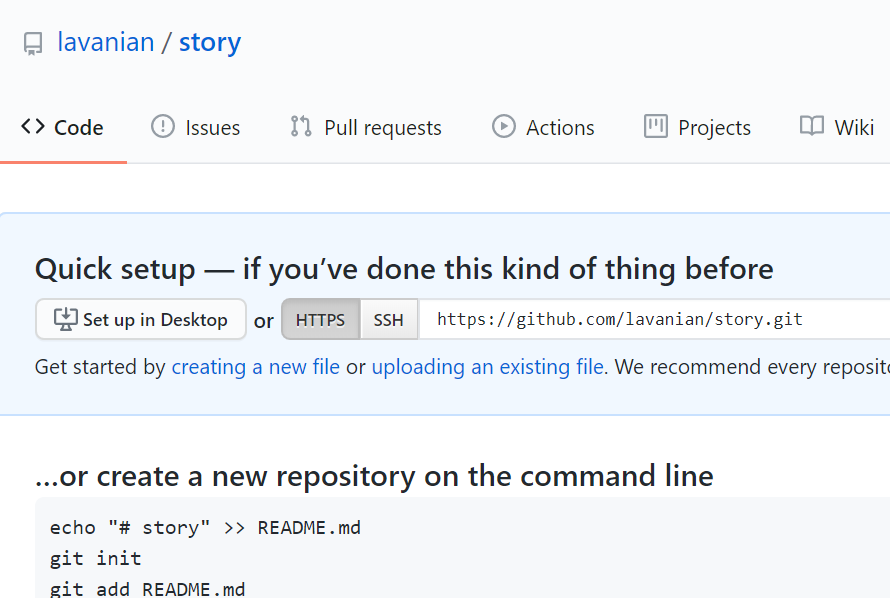
You can also check details in the log with the command **git log**

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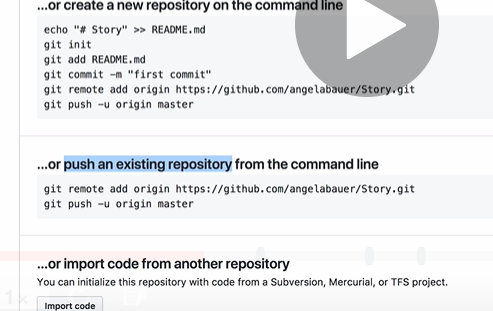
Make another 2 more files chapter 2 and 3 and write something in both

Now **git add** both the files if there are too many files to add you can also write **git add .**

GITHUB

Goto github.com >> create a login>> click on make new repository {right top (+) button} 

Now we work with the command line to push our repository of ‘story’ onto github



So we use the following code to push our repository to git hub

**git remote add origin https://github.com/lavanian/story.git**

**git push -u origin master**

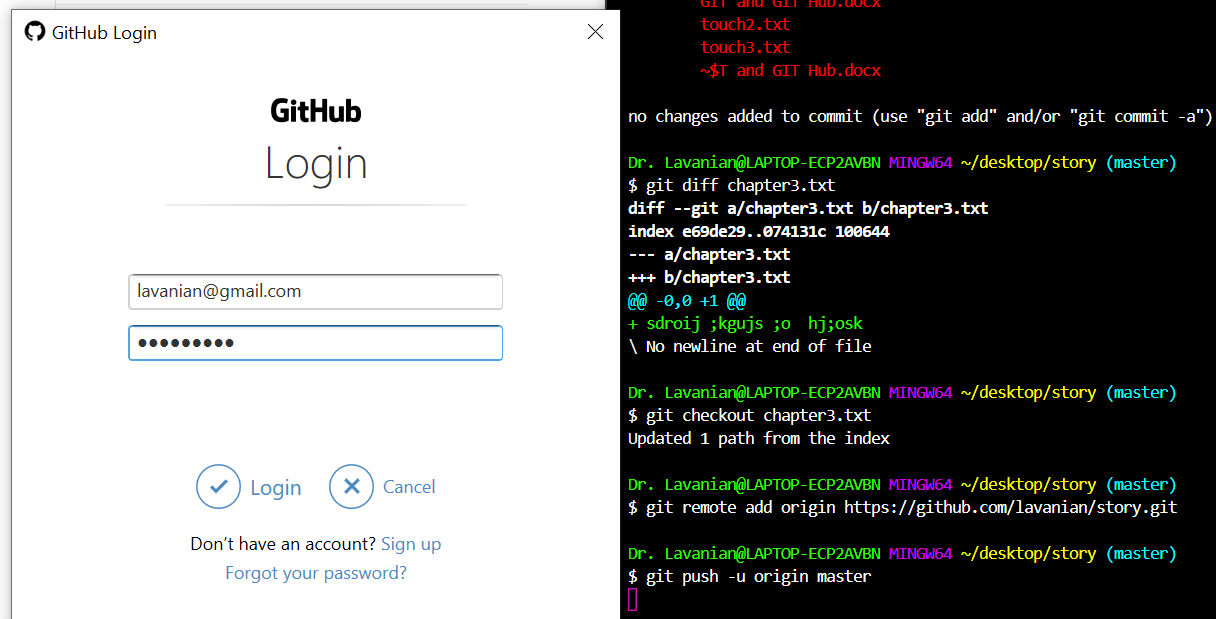
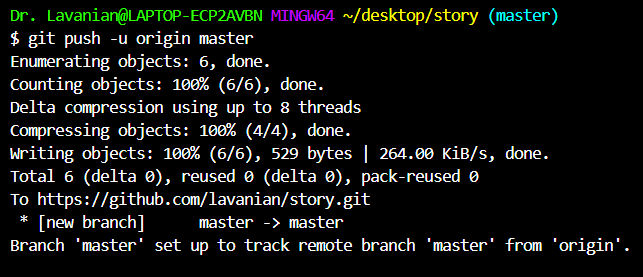
We now go back to our story directory in Hyperterminal and need to tell our local git that we have an online repository

The command is **git remote add <origin>** (remote is a name of your choice for the remote repository better to keep it the same) command is **git remote add origin**

To this add the url (in this case https://github.com/lavanian/story.git )

**git remote add origin https://github.com/lavanian/story.git**

press enter then give the command **git push -u origin master**

The first version is called the ‘master’ and later ones branches (if we branch)

How to remove files from being tracked in git? And how to ignore upload for certain secret or sensitive files?

Create a hidden file called .gitignore (exact spelling) **touch .gitignore**

How to remove files from tracking?

**Git rm --cached -r .** the dot is for all files

To ignore files from upload simply add them to the .gitignore file . comments can be made by prefixing # . Wild cards can be used e.g. \*.txt