GitHub

Create account on GitHub

<https://github.com/>

**Download and Install**

Install Git, Notepad ++ and Git Desktop

<https://git-scm.com/download/win>

<https://notepad-plus-plus.org/downloads/v7.8.5/>

<https://desktop.github.com/>

**Working with CLI**

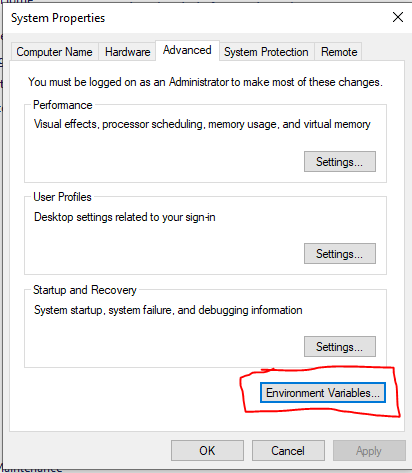
Every command starts with Git word

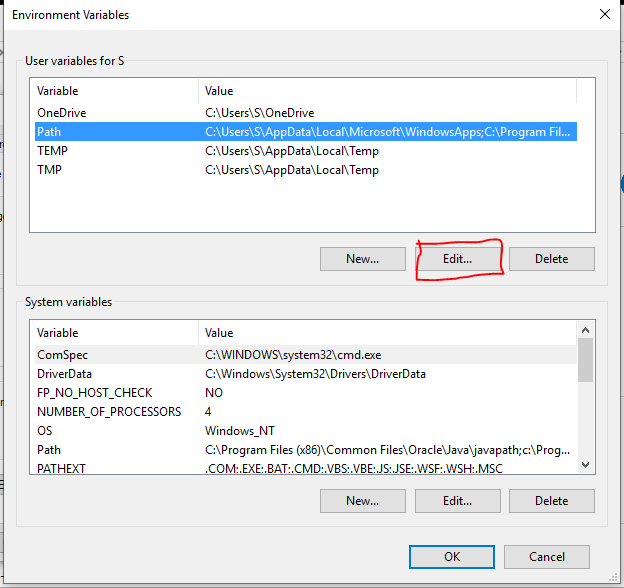
**$** git config - -global user.name “ Sk8336”

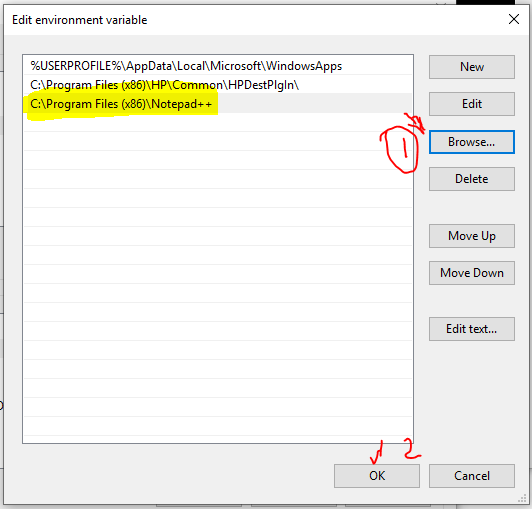
**$**git config - - global user.email “ [sk8336@live.com](mailto:sk8336@live.com)”

**$**git config - - edit - - global

**Setting Environment Variable**





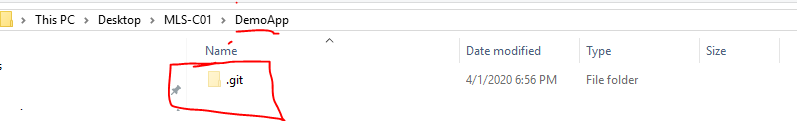


**Create a repository**

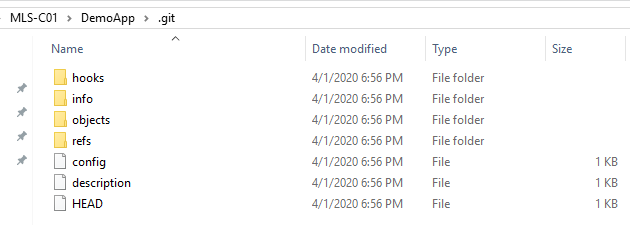
CLI—

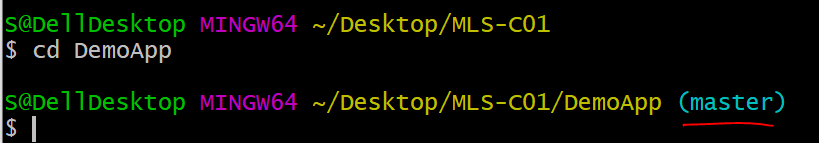
* Go the particular directory for example **$ cd “**C:/Users/S/Desktop/MLS-C01**”**
* See the list of files like **$ls –la**
* Now create repository there $ git init DemoApp

Initialized empty Git repository in C:/Users/S/Desktop/MLS-C01/DemoApp/.git/

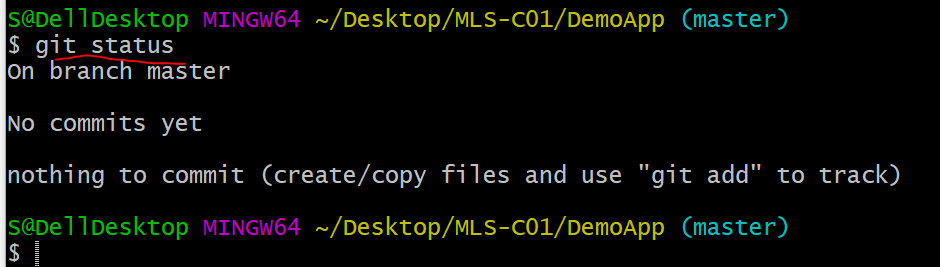


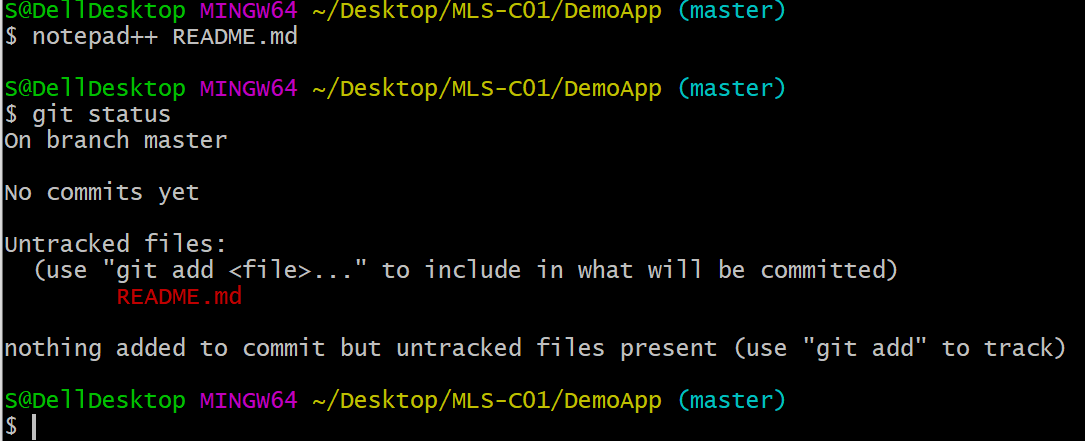
* This create a DemoApp folder and a .git hidden subfolder in the DemoApp folder and this is a local git database.





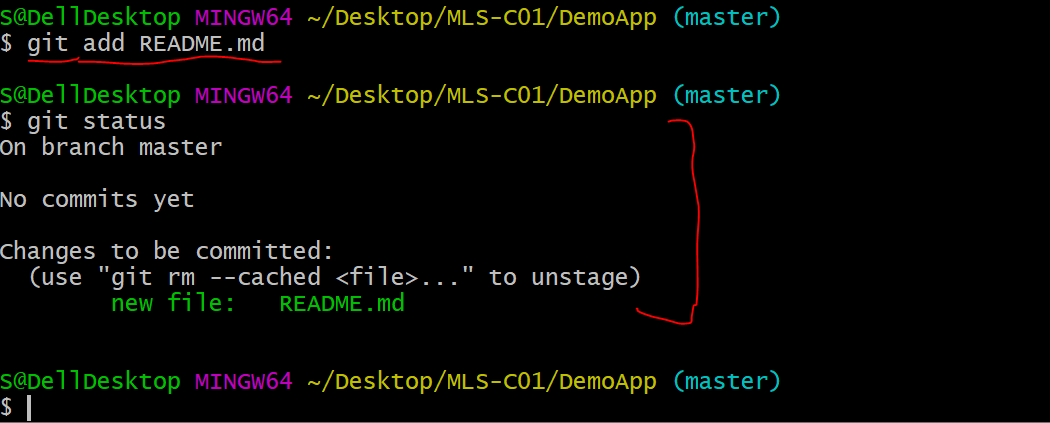
The above is master branch



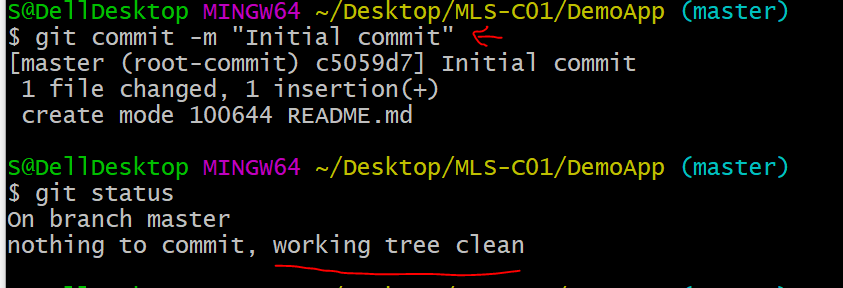


Note: In the notepad++ write **#hello world** then save and close.

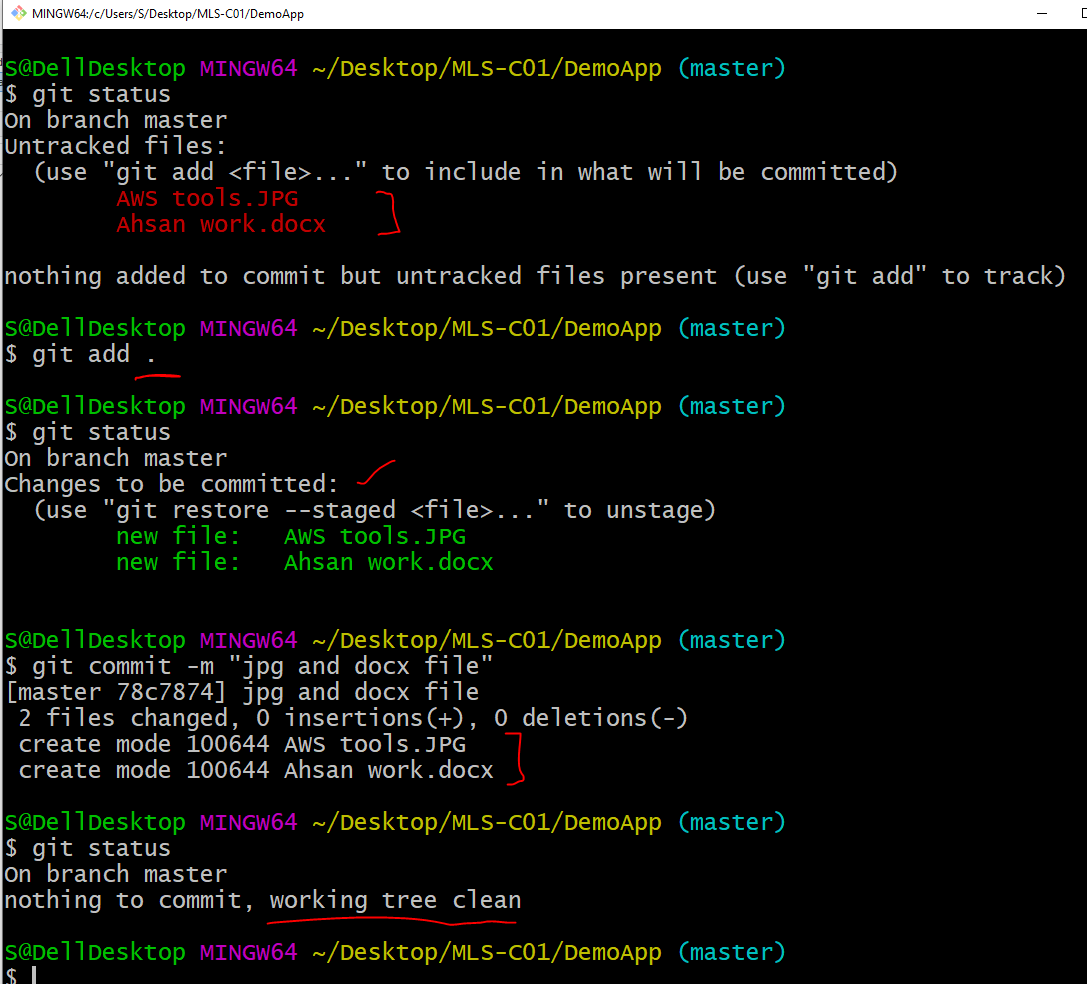
Here status is changes see above



Readme is green

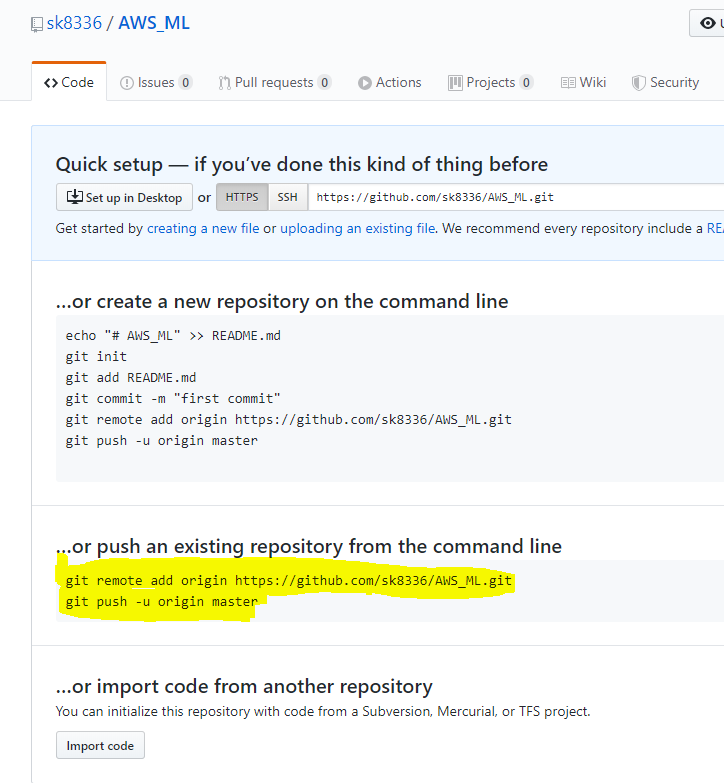


I copied two files and see below how I commit it



**What GitHub Can do for you (Link local repo to remote repo)**

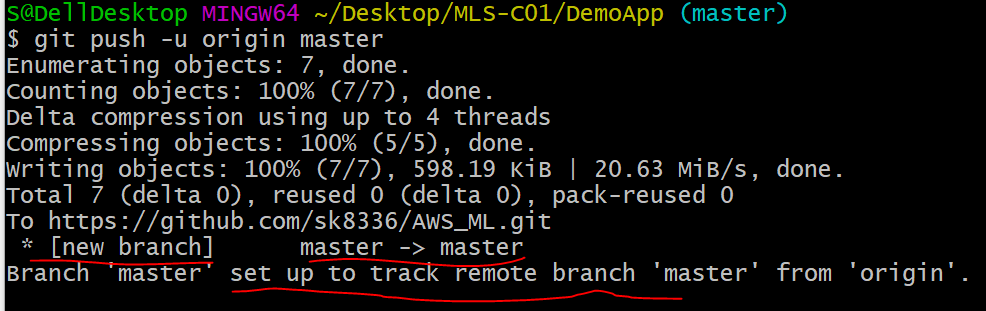
Copy the highlighted one:



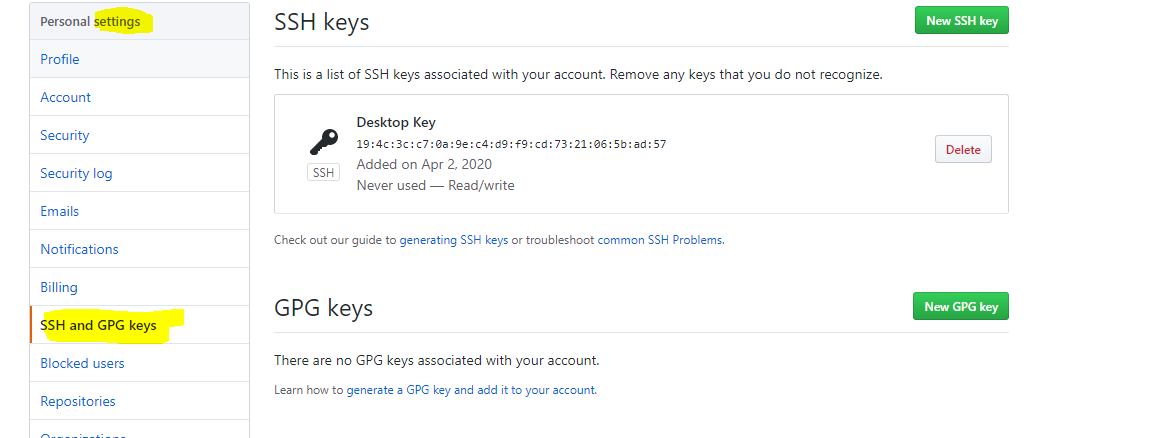
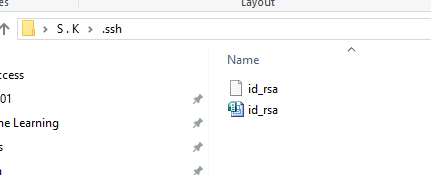
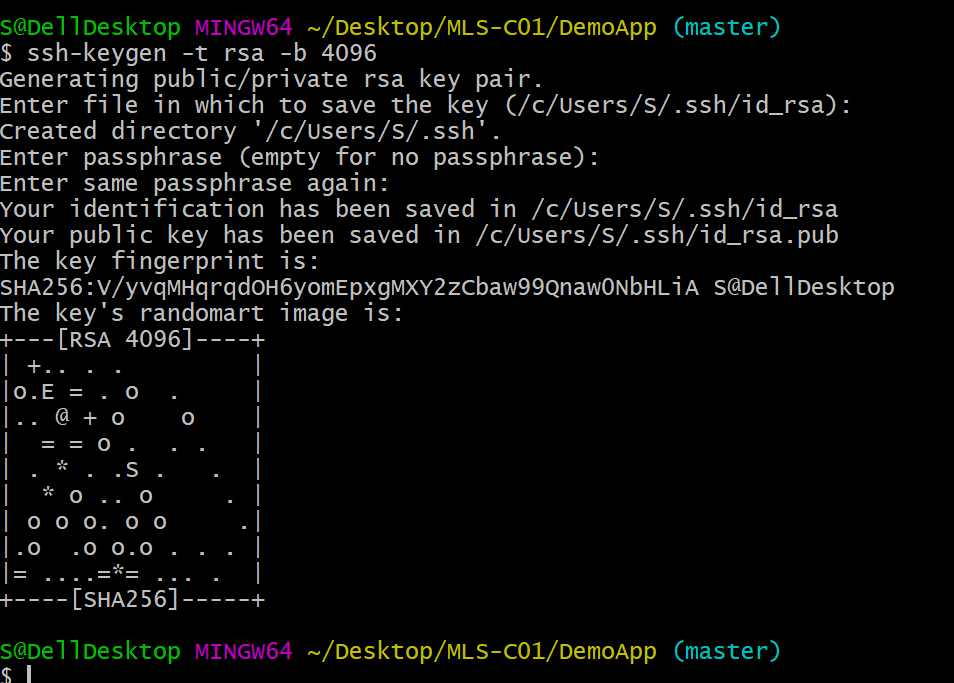
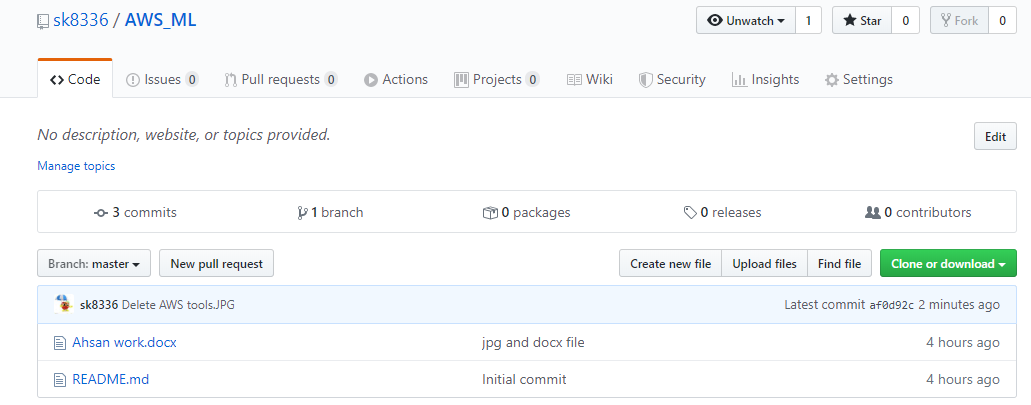
Check the remote connection, copy/paste add original. Again check the remote one then push local repo.

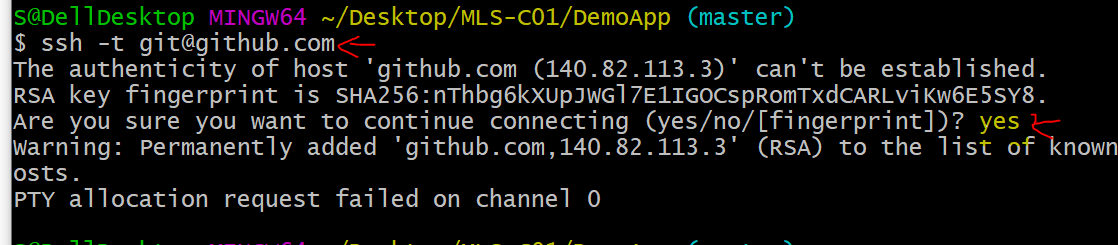


This creates empty branch and setup track branch.



See the updated files on remote location.



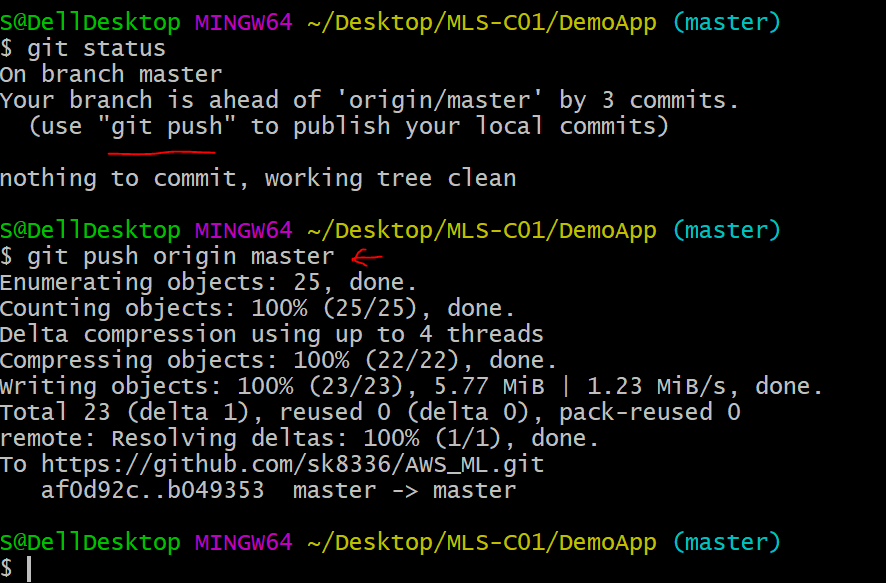
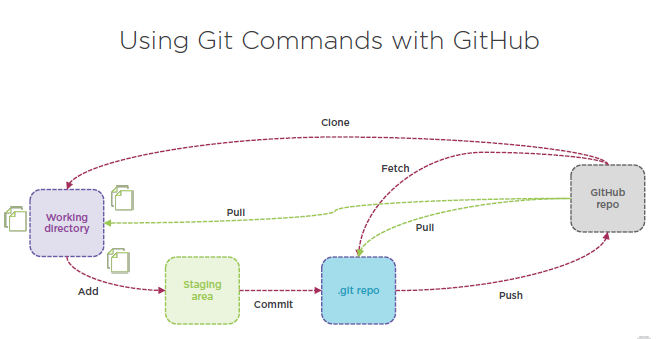


**Markdown Special Files are**

* README.md
* LICENSE.md
* Contributors.md - person who contributes in the projet
* SUPPORT
* CODE\_OF\_CONDUCTS

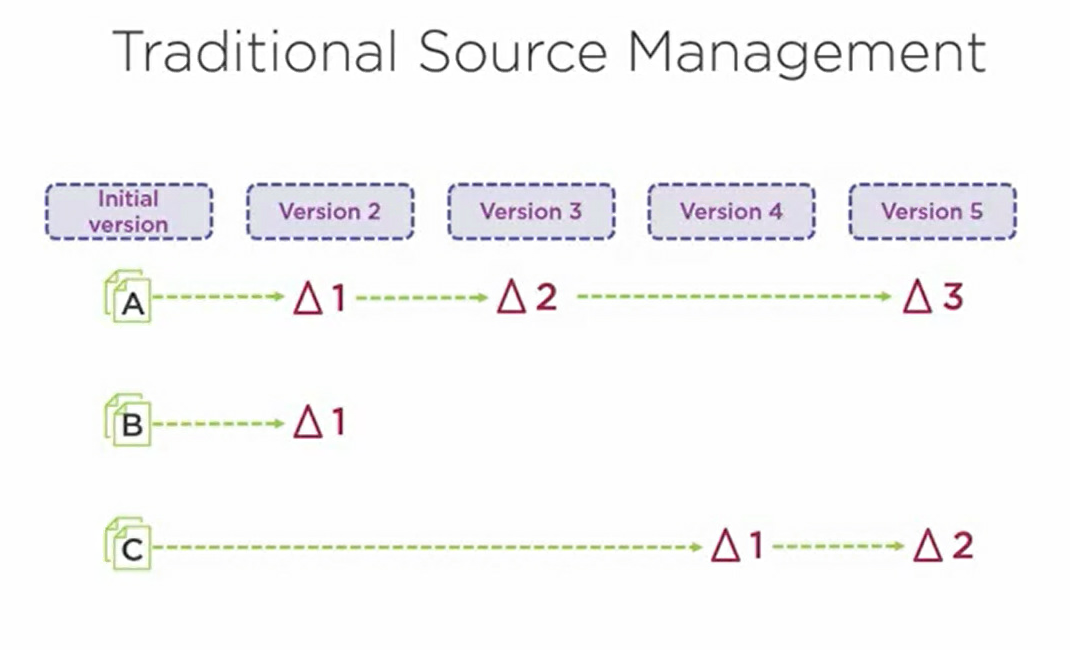
Note # is the H1 and ## is H2 heading

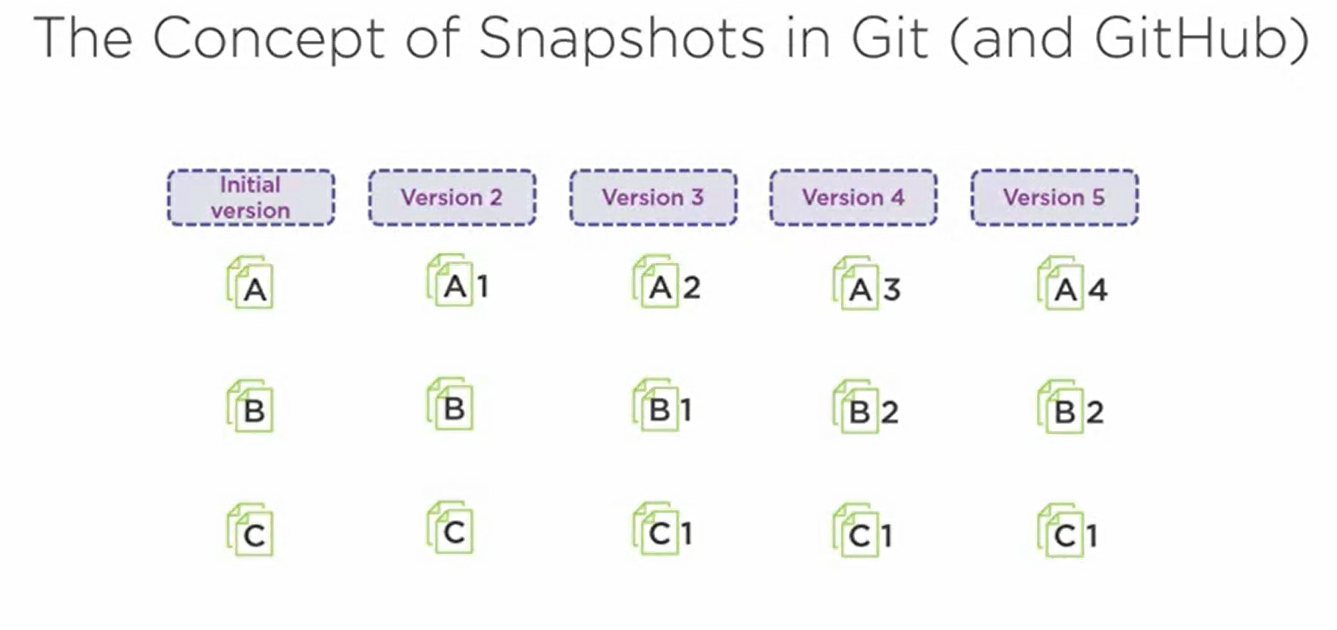
<https://daringfireball.net/projects/markdown/syntax>



Branches, Merging and Pull Request

Diverging from main development line





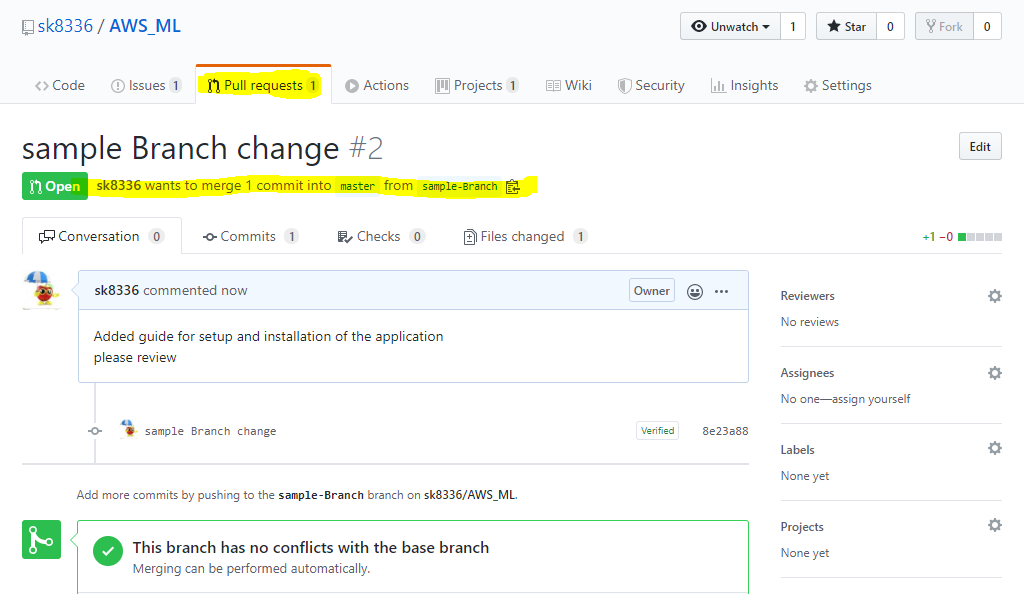
Branch is a pointer to a commit

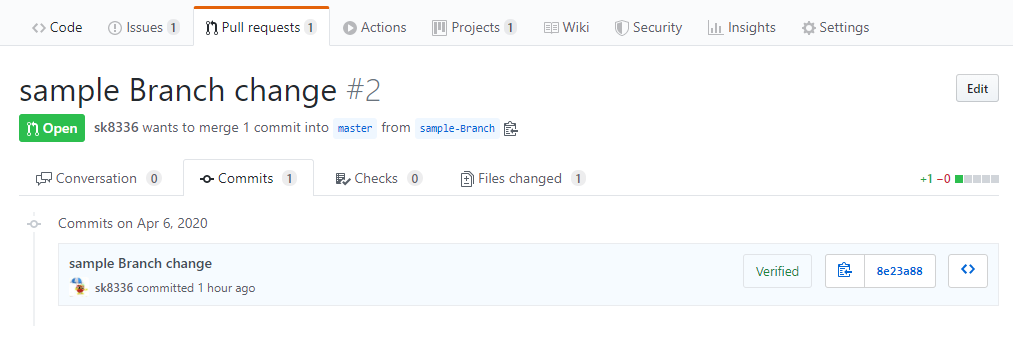
The Commands for Branching

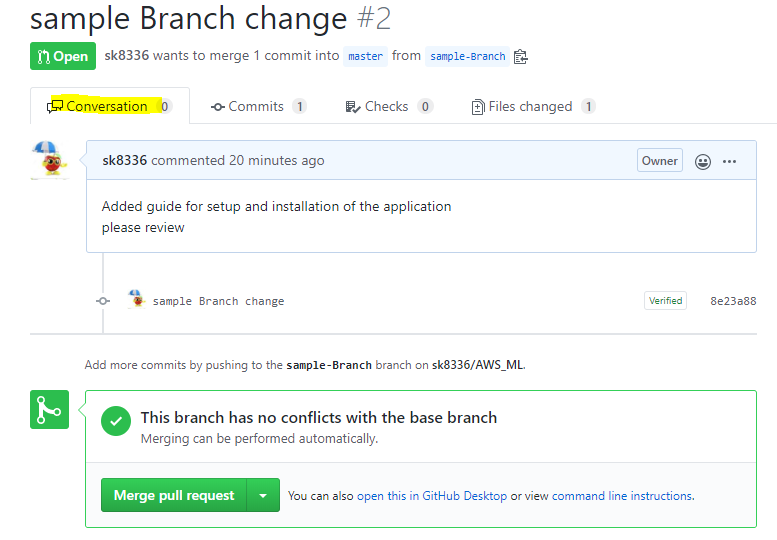
$git branch [branch- name]

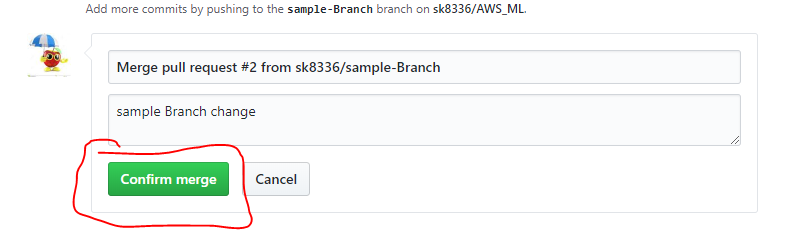
$git checkout [branch- name]

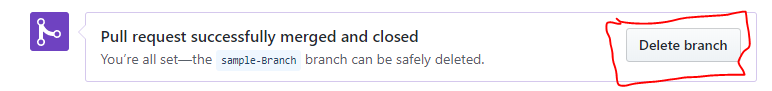
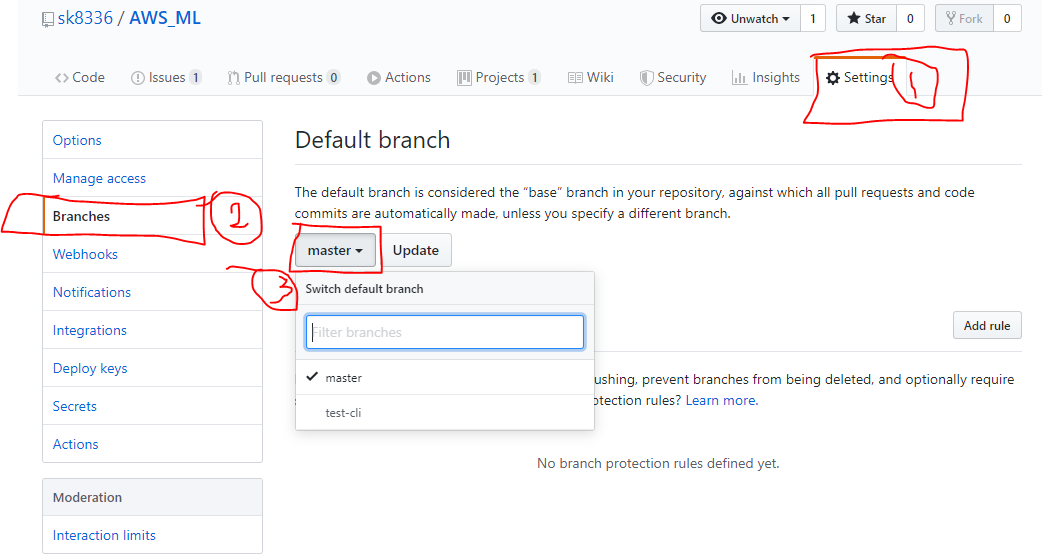
$git push –u [Original branch- name] [NewBranch name]









Create Tag and Releases

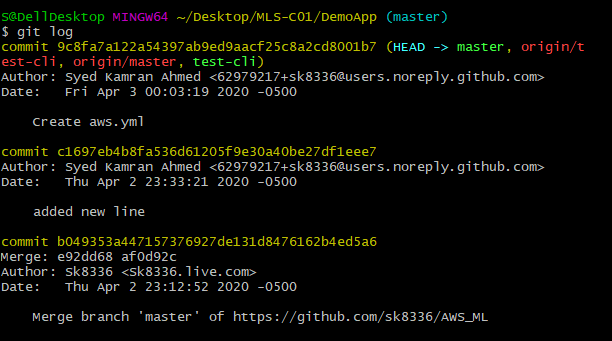
A tag points to an important point in history V1.0

2 types of tags:

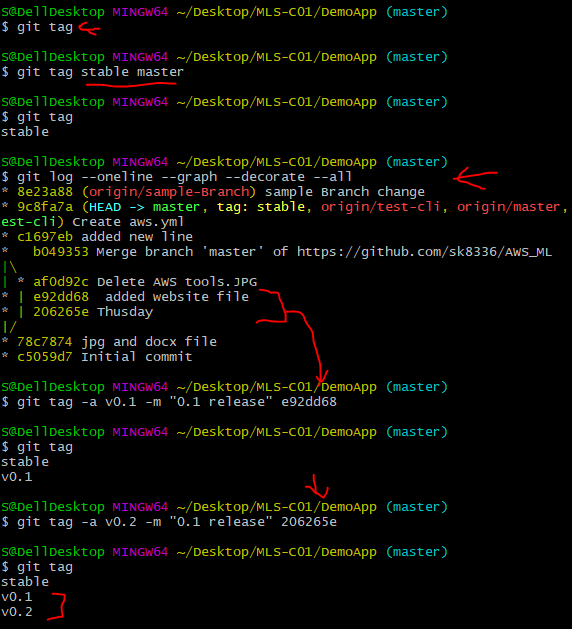
Light weight

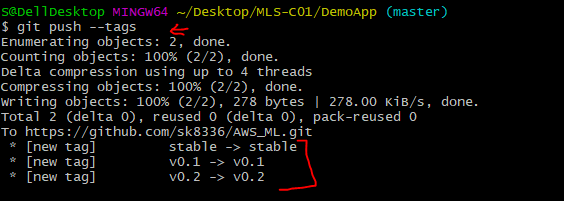
Annotated (Message and checksum

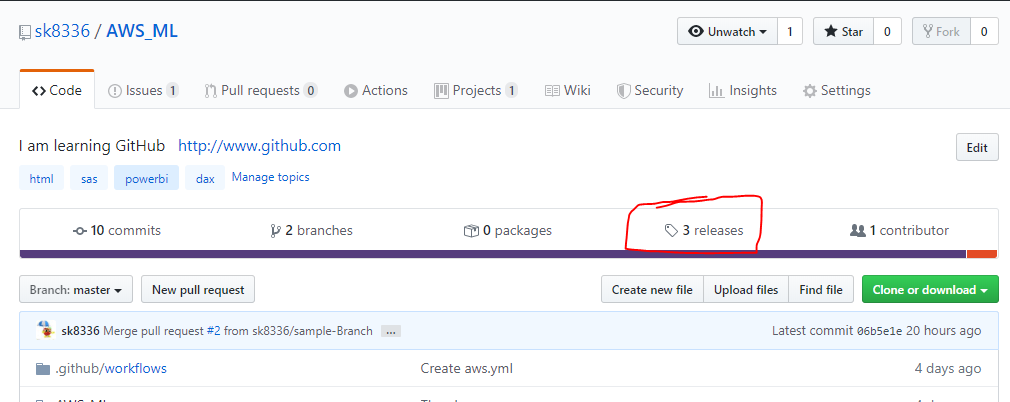
Command : $ git tag

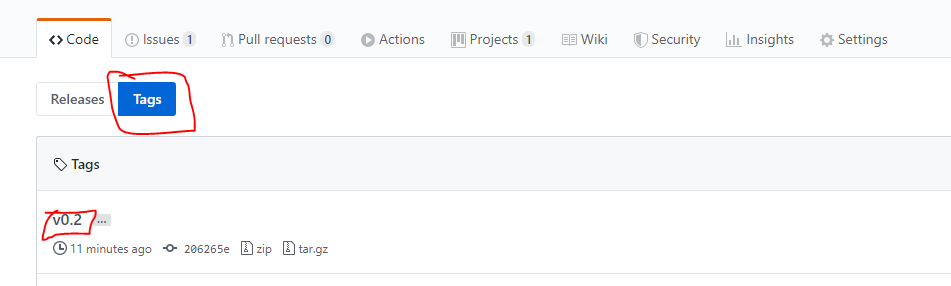


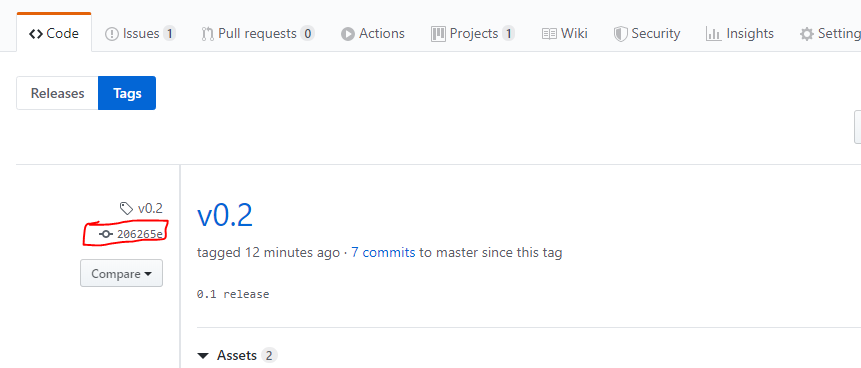
Log command shows all commit



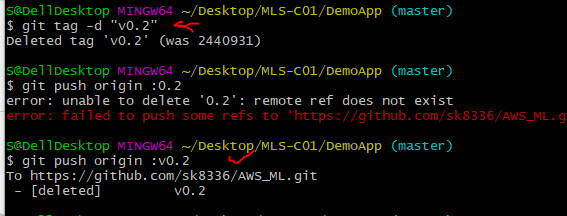




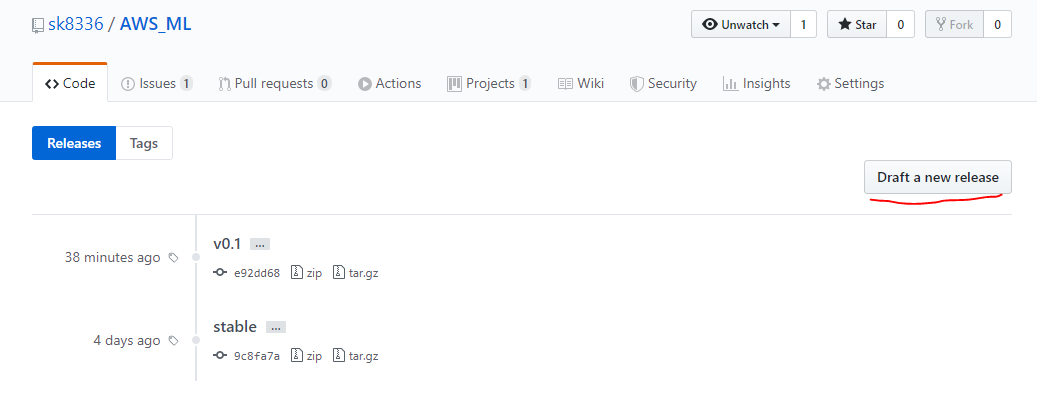


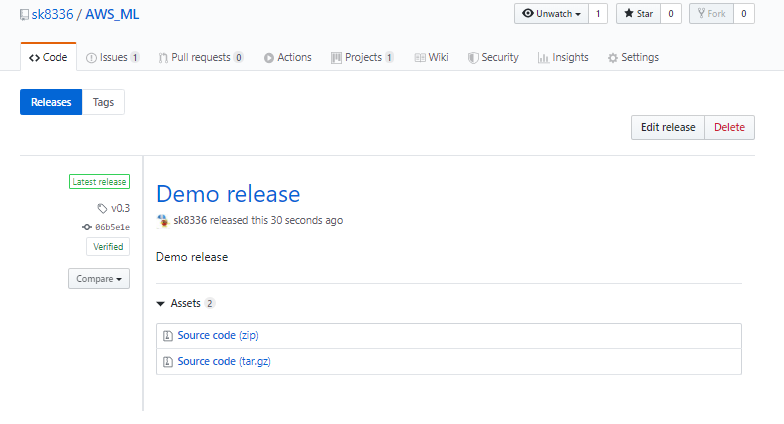


Delete tag and push



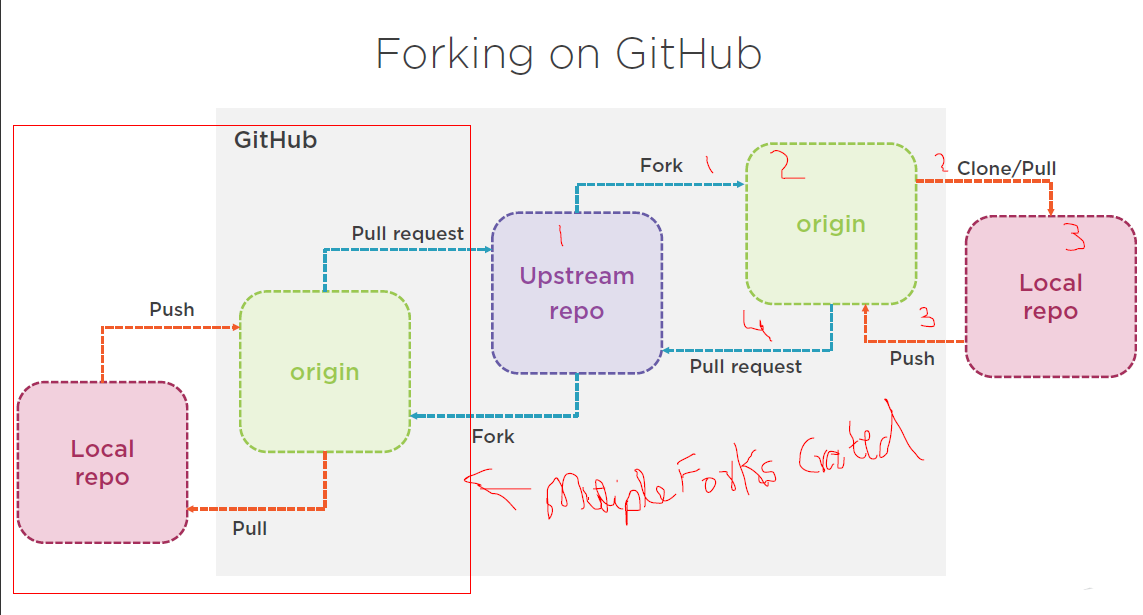
Release

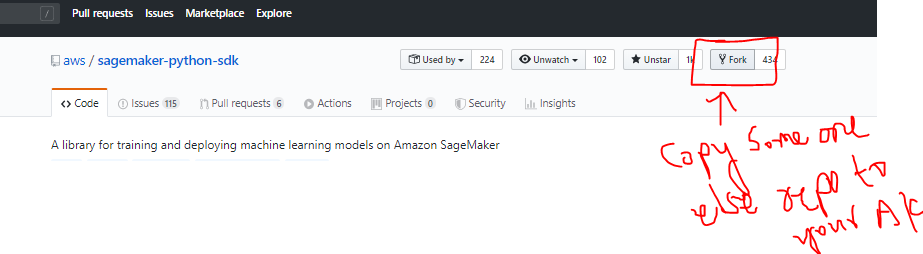


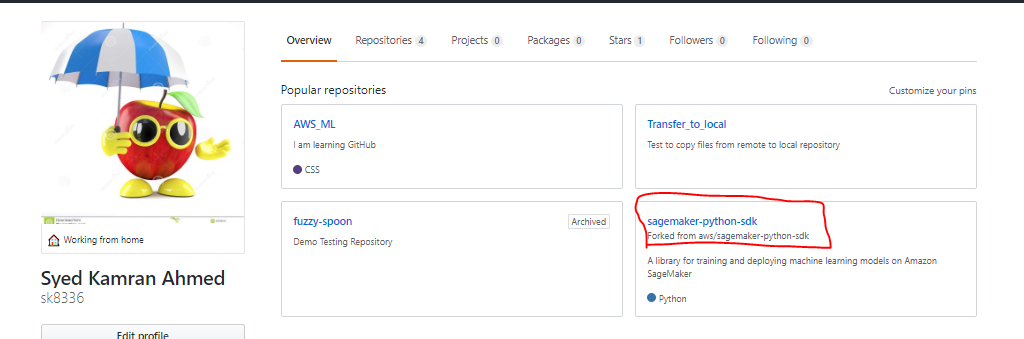


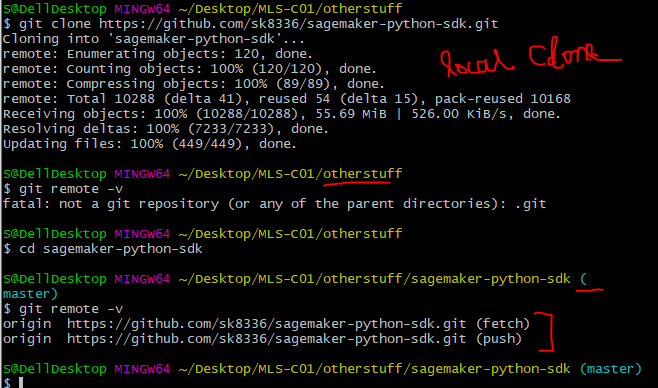
CH7

Forks is the copy of repo



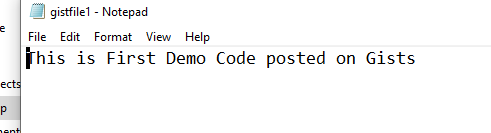
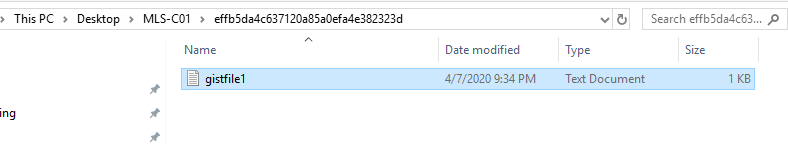
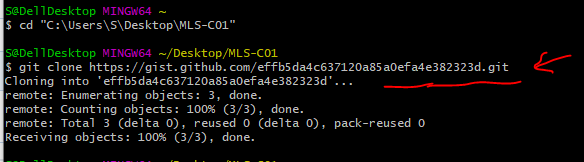
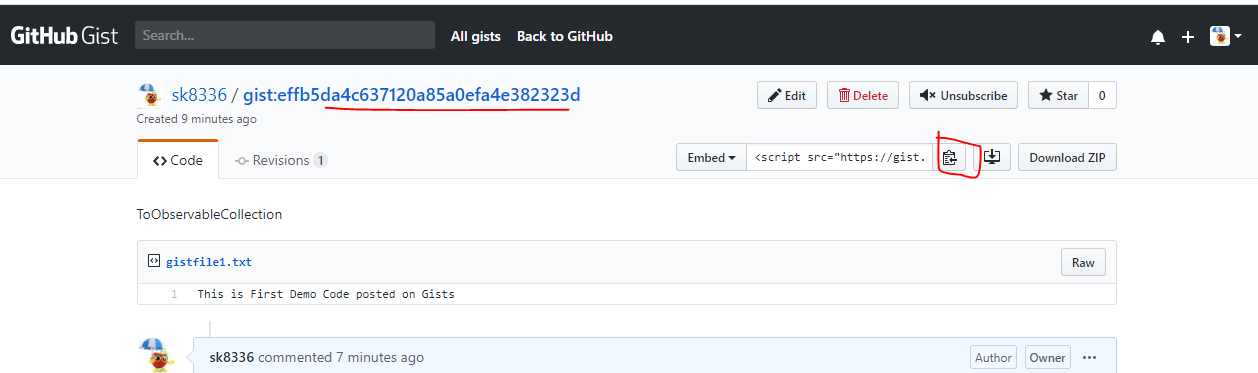






Gist:

Gist is a simple way to share snippets and notes with others



Page - Setting

