**Useful online tutorials-**

<https://youtu.be/bb_LoXAC-zE> -instruction on installing git bash and git on windows

whenever starting with git for the very 1st time we have to setup user name and email so for that we have to run following command

**git config --global user.name “Viraj Shah”**

and then for email

**git config --global user.email “Viraj\_shah95@yahoo.com”**

and then to check we can run below code

**git config --list**

Basic commands to upload projects on github

# 1-making current folder a git repo

**git init**

# 2-adding files that needs to be tracked-

**git add . (this will add all the files in the present folder where git bash is opened)**

**git add file\_name.ext (this will add this specific file for tracking)**

# 3-get current status of git

**git status**

# 4-commit files to local repo

**git commit -m “type message that you want”**

# 5-to push local repo to remote server 1st add the url of where you want to push

**git remote add origin paste\_the\_url**

here origin is the alias for our server url

to change the url of origin we can run following command-(<https://stackoverflow.com/questions/53988638/git-fatal-protocol-https-is-not-supported> )

**git remote set-url origin new\_url**

# 6-push local repo to server

**git push -u origin master**

the above command will push the files to master branch

# 7-to list all repo on github-

**git remote -v**

# 8-fetch a server github repo and create a new branch and store it in local repo

**git fetch** (This will fetch the repo based on where the origin is pointing to )

**git checkout -b mybranch** (this will create a new branch which is different from master branch)

when you run the above command it will create 2 branches

to see number of branches we have in our repo we type

**git branch** and \* denotes currently you are in which branch

since all this is happening in local server we have to push it back to our main github server to update

useful git learning material-

<https://youtu.be/bb_LoXAC-zE> (programmingknowledge)

<https://youtu.be/G14WMD8Kg3U> (codewithharry)

<https://youtu.be/gwWKnnCMQ5c> (codewithharry)

<https://youtu.be/HVsySz-h9r4?list=PL-osiE80TeTuRUfjRe54Eea17-YfnOOAx> (corey schafer)

<https://youtu.be/xuB1Id2Wxak> (edureka)

<https://youtu.be/RGOj5yH7evk> (freecodecamp.org)

<https://youtu.be/Lr963JoFyRs>

# To use Vim editor-

To open a file use

**vim file\_name.ext** then press i to insert like you are typing in a text file

after that press ESC to enter into command mode and then type “:wq” to save and exit

<https://coderwall.com/p/adv71w/basic-vim-commands-for-getting-started> refer this

<https://www.redhat.com/sysadmin/vim-commands>

<https://www.designbombs.com/mastering-vim-commands-the-ultimate-list/>