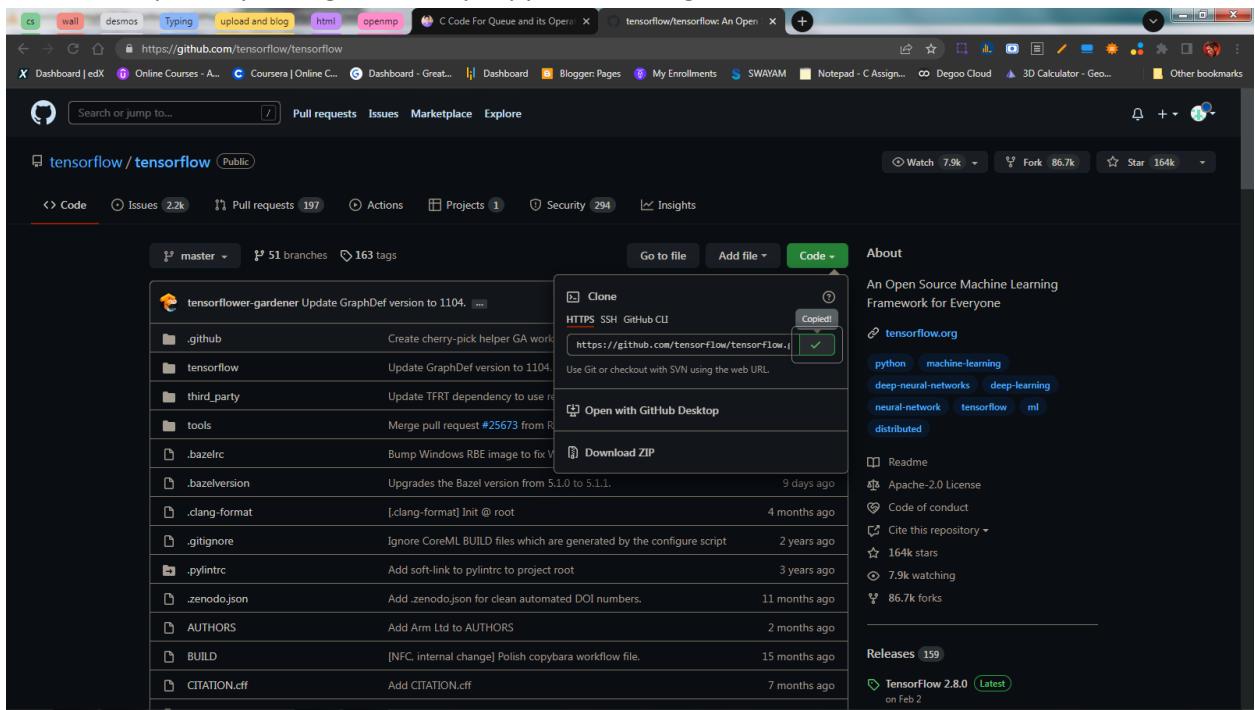


To clone a repository from github firstly copy its url from github



To delete git repository type “rm -rf .git” → this will delete .git hidden folder and then run “git status”

```
Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main (master)
$ 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: sdfdf.accdb

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

Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main (master)
$ rm -rf .git

Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main
$ git status
fatal: not a git repository (or any of the parent directories): .git

Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main
$
```

To delete any file put “filename.extension” in place of “.git” to delete that file

Shortcut to paste → Shift + insert

Shortcut to copy → Ctrl + insert

To clone a repository in git, type “git clone fileUrl” and type “git clone fileUrl NewFileName” to create clone repository with your required NewFileName

```
MINGW32/e/videos/Study/cs/important/Git and github/Notes/main
fatal: not a git repository (or any of the parent directories): .git

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main
$ rm -rf del.txt

Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main
$ git clone https://github.com/tensorflow/tensorflow.git
Cloning into 'tensorflow'...
remote: Enumerating objects: 1336323, done.
Receiving objects: 8% (118116/1336323), 34.90 MiB | 844.00 KiB/s
Receiving objects: 8% (112793/1336323), 33.39 MiB | 759.00 KiB/s
Receiving objects: 9% (121208/1336323), 35.66 MiB | 845.00 KiB/s
fatal: fetch-pack: invalid index-pack output.36 MiB | 791.00 KiB/s
fetch-pack: unexpected disconnect while reading sideband packet

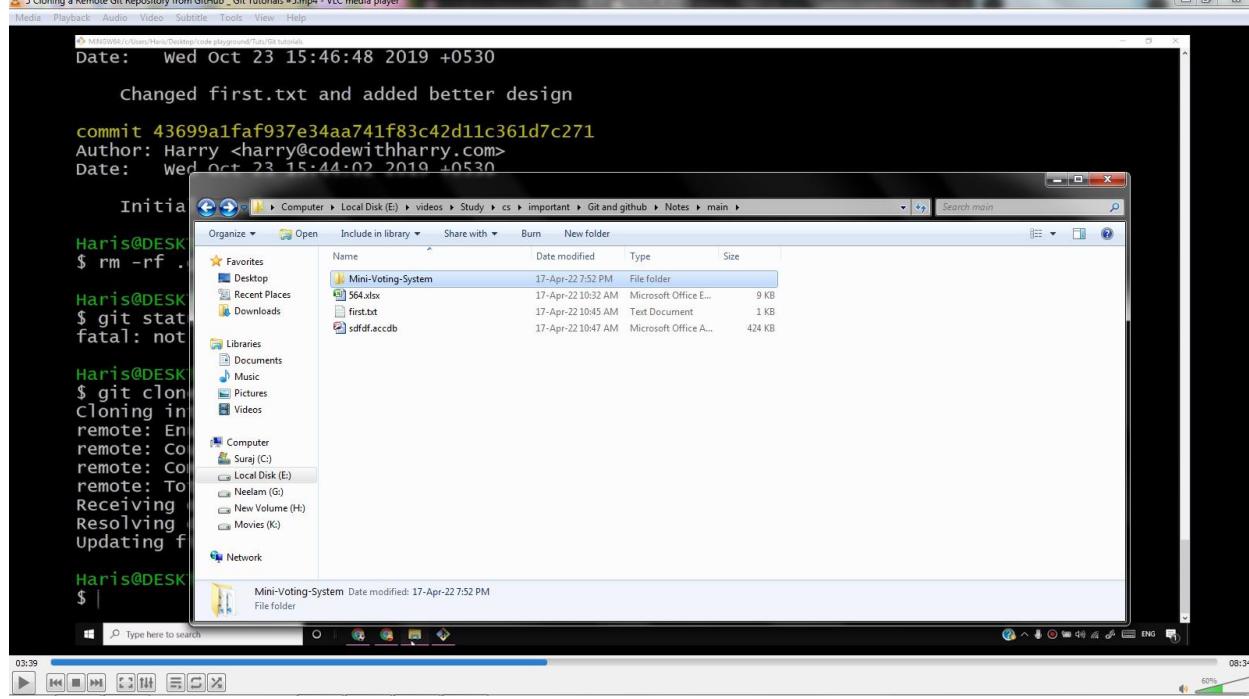
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main
$

Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main
$ Receiving objects: 8% (112793/1336323), 33.39 MiB | 759.00 KiB/s
bash: syntax error near unexpected token `'

Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main
$

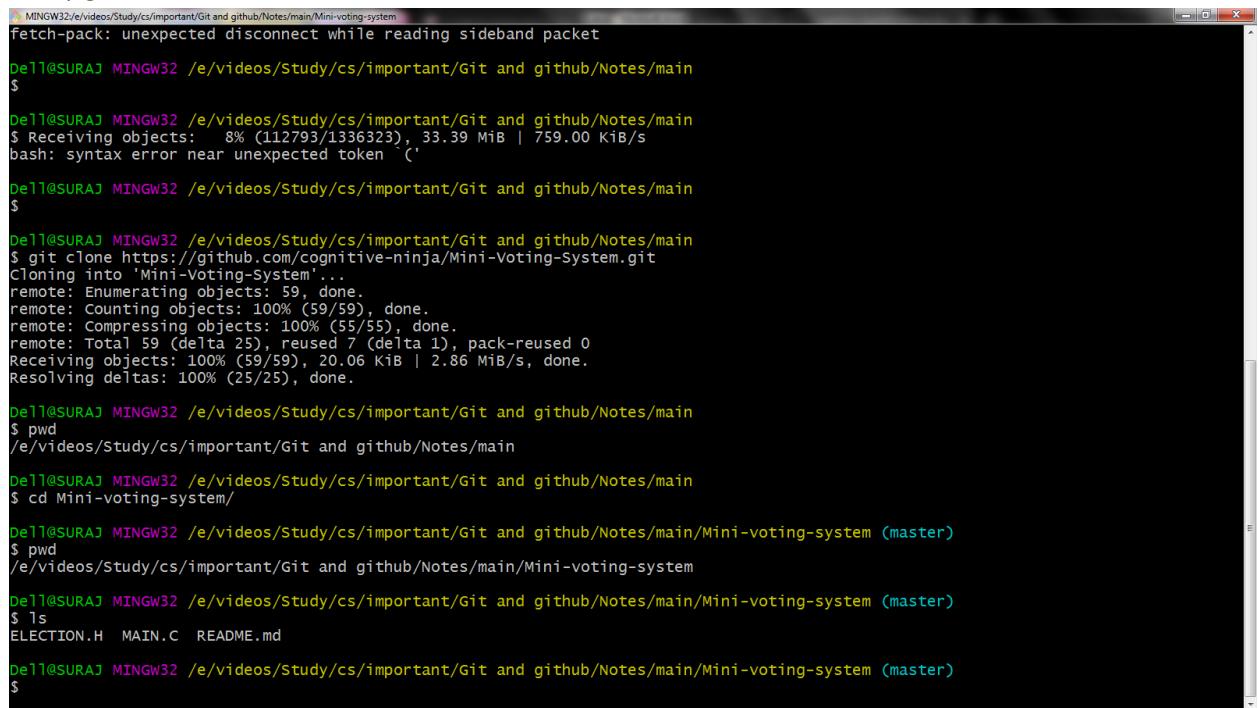
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main
$ git clone https://github.com/cognitive-ninja/Mini-Voting-System.git
Cloning into 'Mini-Voting-System'...
remote: Enumerating objects: 59, done.
remote: Counting objects: 100% (59/59), done.
remote: Compressing objects: 100% (55/55), done.
remote: Total 59 (delta 25), reused 7 (delta 1), pack-reused 0
Receiving objects: 100% (59/59), 20.06 KiB | 2.86 MiB/s, done.
Resolving deltas: 100% (25/25), done.

Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main
$ |
```



Even if we delete our git repository if we do to cloned git repository we can run our git commands as git repository is present

Firstly go to that folder “cd foldername/”



```
MINGW32/e/videos/Study/cs/important/Git and github/Notes/main/Mini-voting-system
fetch-pack: unexpected disconnect while reading sideband packet
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main
$ 
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main
$ Receiving objects:  8% (112793/1336323), 33.39 MiB | 759.00 KiB/s
bash: syntax error near unexpected token `('
Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main
$ 
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main
$ git clone https://github.com/cognitive-ninja/Mini-Voting-System.git
Cloning into 'Mini-Voting-System'...
remote: Enumerating objects: 59, done.
remote: Counting objects: 100% (59/59), done.
remote: Compressing objects: 100% (55/55), done.
remote: Total 59 (delta 25), reused 7 (delta 1), pack-reused 0
Receiving objects: 100% (59/59), 20.06 KiB | 2.86 MiB/s, done.
Resolving deltas: 100% (25/25), done.

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main
$ pwd
/e/videos/Study/cs/important/Git and github/Notes/main

Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main
$ cd Mini-voting-system/
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ pwd
/e/videos/Study/cs/important/Git and github/Notes/main/Mini-voting-system

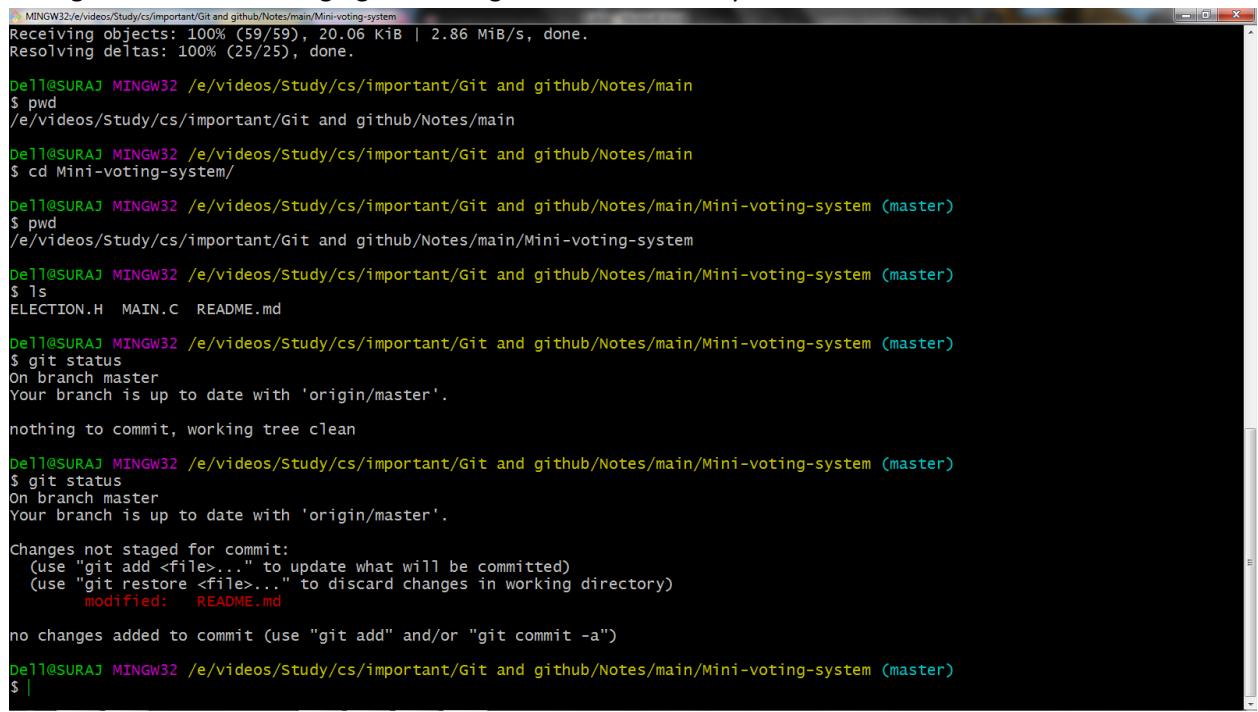
Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ ls
ELECTION.H  MAIN.C  README.md

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ 
```

“ls” → list all files

“pwd” → present working directory

Run “git status” after changing something in that folder in any file



```
MINGW32/e/videos/Study/cs/important/Git and github/Notes/main/Mini-voting-system
Receiving objects: 100% (59/59), 20.06 KiB | 2.86 MiB/s, done.
Resolving deltas: 100% (25/25), done.

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main
$ pwd
/e/videos/Study/cs/important/Git and github/Notes/main

Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main
$ cd Mini-voting-system/
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ pwd
/e/videos/Study/cs/important/Git and github/Notes/main/Mini-voting-system

Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ ls
ELECTION.H  MAIN.C  README.md

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean

Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ git status
On branch master
Your branch is up to date with 'origin/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:   README.md

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

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ | 
```

Adding all files to staging area → “git add --a” and then “git status”

```
Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main/Mini-voting-system
$ ls
ELECTION.H  MAIN.C  README.md

Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean

Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ git status
On branch master
Your branch is up to date with 'origin/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:   README.md

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

Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ git add --a

Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified:   README.md

Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ |
```

Now commit that change → “git commit -m “changed readme.md”” and then “git status”

```
(use "git add <file>..." to update what will be committed)
(use "git restore <file>..." to discard changes in working directory)
  modified:   README.md

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

Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ git add --a

Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified:   README.md

Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ git commit -m "changed \"readme.md\""
> git status
> ^C

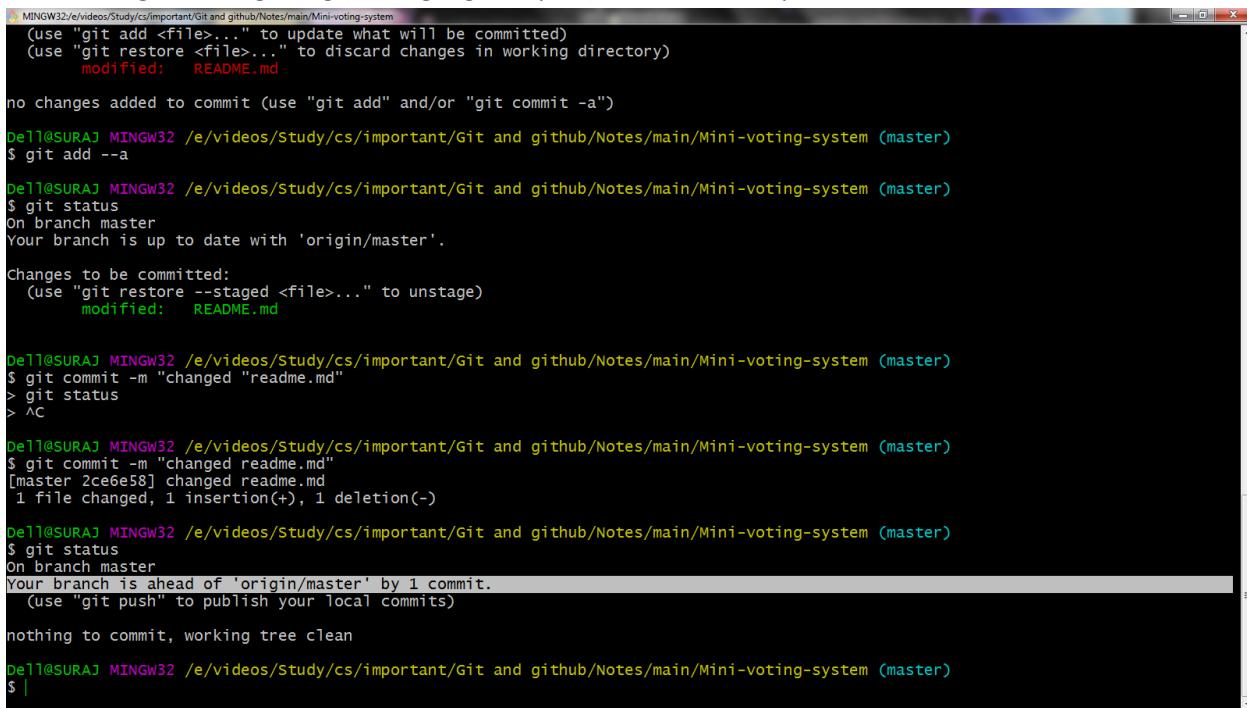
Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ git commit -m "changed readme.md"
[master 2ce6e58] changed readme.md
 1 file changed, 1 insertion(+), 1 deletion(-)

Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

Dell@SURAJ MINGW32 /e/videos/study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ |
```

It is showing following thing (see highlighted part) – ss is same as previous



```
MINGW32/e/videos/Study/cs/important/Git and github/Notes/main/Mini-voting-system
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified: README.md

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

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ git add --a

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified: README.md

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ git commit -m "changed readme.md"
> git status
> ^C

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ git commit -m "changed readme.md"
[master 2ce6e58] changed readme.md
  1 file changed, 1 insertion(+), 1 deletion(-)

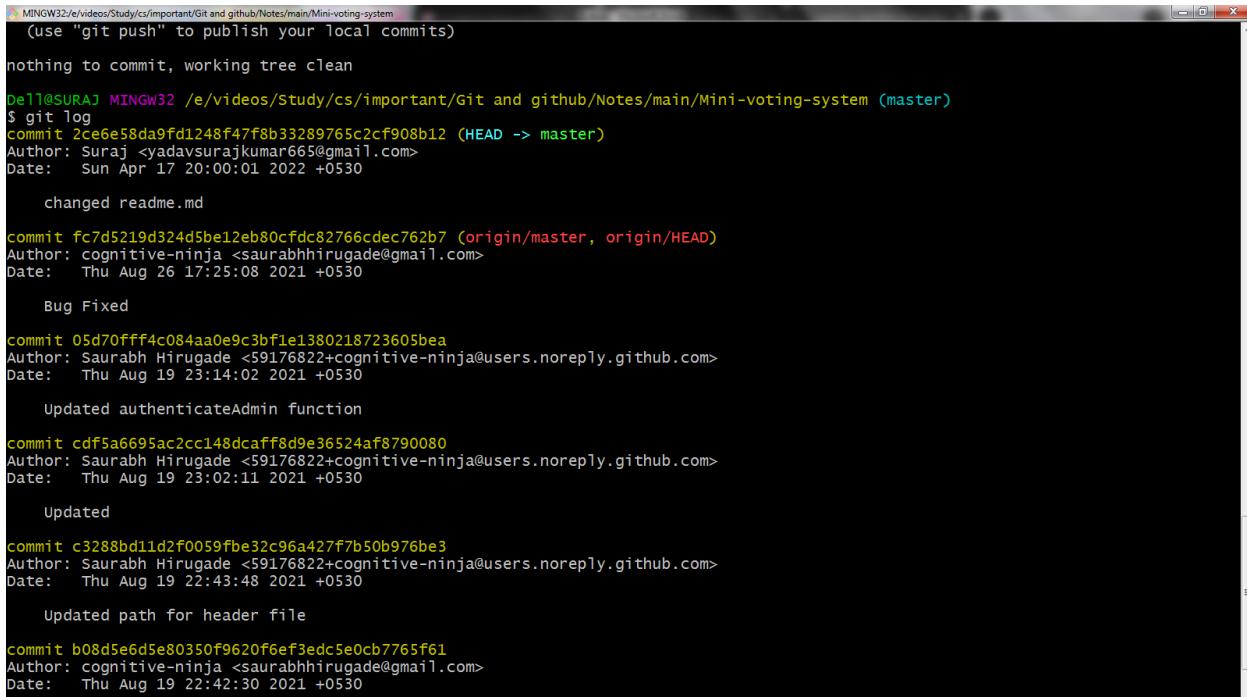
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ |
```

it means we committed 1 times so we are 1 commit ahead of github repository

If we type git log it shows who changed what in this repository



```
MINGW32/e/videos/Study/cs/important/Git and github/Notes/main/Mini-voting-system
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main/Mini-voting-system (master)
$ git log
commit 2ce6e58da9fd1248f47f8b33289765c2cf908b12 (HEAD -> master)
Author: Suraj <cyadavsurajkumar665@gmail.com>
Date:   Sun Apr 17 20:00:01 2022 +0530

  changed readme.md

commit fc7d5219d324d5be12eb80cfcd82766cdec762b7 (origin/master, origin/HEAD)
Author: cognitive-ninja <saurabhhirugade@gmail.com>
Date:   Thu Aug 26 17:25:08 2021 +0530

  Bug Fixed

commit 05d70fff4c084aa0e9c3bf1e1380218723605bea
Author: Saurabh Hirugade <59176822+cognitive-ninja@users.noreply.github.com>
Date:   Thu Aug 19 23:14:02 2021 +0530

  Updated authenticateAdmin function

commit cdf5a6695ac2cc148dcff8d9e36524af8790080
Author: Saurabh Hirugade <59176822+cognitive-ninja@users.noreply.github.com>
Date:   Thu Aug 19 23:02:11 2021 +0530

  Updated

commit c3288bd11d2f0059fbe32c96a427f7b50b976be3
Author: Saurabh Hirugade <59176822+cognitive-ninja@users.noreply.github.com>
Date:   Thu Aug 19 22:43:48 2021 +0530

  Updated path for header file

commit b08d5e6d5e80350f9620f6ef3edc5eacb7765f61
Author: cognitive-ninja <saurabhhirugade@gmail.com>
Date:   Thu Aug 19 22:42:30 2021 +0530
```

enter “q” to exit that log