

GIT ASSIGNMENT BY

ABHISHEK KUAR SAH

Install GIT & make sure it is added into PATH.

Use GIT as local VCS. Steps to follow:

1. Create a directory ‘project_dir’ & cd to ‘project_dir’.

```
MINGW64:/c/Users/DRAGO/Desktop/GITHUB WORK/project_dir - □ X
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK (master)
$ mkdir project_dir

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK (master)
$ cd project_dir

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$
```

2. Initialize git version database. (**git init**)

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ git --version
git version 2.34.1.windows.1

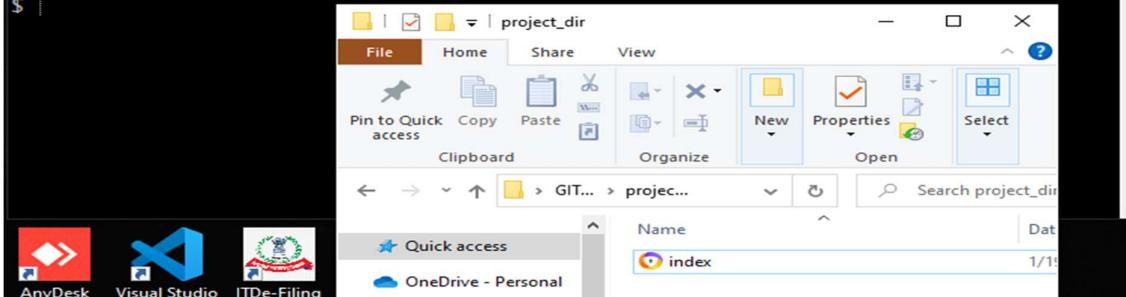
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ git init
Initialized empty Git repository in C:/Users/DRAGO/Desktop/GITHUB WORK/pro
ject_dir/.git/

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ |
```

3. Create a new file index.html.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ touch index.html
```

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$
```



4. Check the git status. You should find index.html as untracked file.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ git status
On branch master
```

```
No commits yet
```

Untracked files:

```
(use "git add <file>..." to include in what will be committed)
  index.html
```

```
nothing added to commit but untracked files present (use "git add" to track)
```

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$
```

5. Stage the index.html file.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ git add index.html
```

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ git status
On branch master
```

```
No commits yet
```

Changes to be committed:

```
(use "git rm --cached <file>..." to unstage)
  new file:   index.html
```

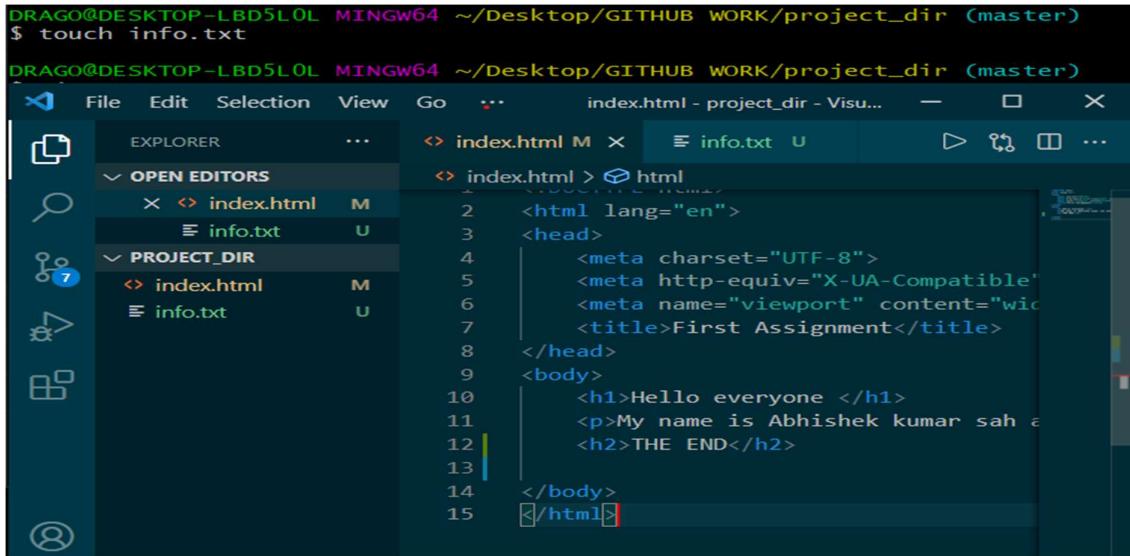
```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$
```

6. Commit index.html

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ git commit -m "successfully created index.html"
[master (root-commit) dc1ecb7] successfully created index.html
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 index.html
```

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$
```

7. Make few changes in index.html & create a new file info.txt file.



```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ touch info.txt

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
File Edit Selection View Go ...
EXPLORER OPEN EDITORS
  index.html M
  info.txt U
PROJECT_DIR
  index.html M
  info.txt U
```

index.html - project_dir - Visu... index.html > html

```
<html lang="en">
<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="ie=edge" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>First Assignment</title>
</head>
<body>
<h1>Hello everyone </h1>
<p>My name is Abhishek kumar sah </p>
<h2>THE END</h2>
</body>
</html>
```

8. Check git status. You should find index.html & info.txt as untracked files.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   .gitignore
    modified:   index.html
    new file:   info.html

Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    deleted:   .gitignore
    modified:   index.html
    deleted:   info.html

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    info.txt

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ git |
```

9. Configure GIT to ignore all txt files.



```
MINGW64:/c/Users/DRAGO/Desktop/GITHUB WORK/project_dir
```

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ touch .gitignore

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ git add *.txt
```

10. Again check the git status. You should find only index.html as untracked file.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file: .gitignore
    modified: index.html
    new file: info.html
    new file: info.txt

Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified: index.html
    deleted: info.html

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ |
```

11. State & commit index.html

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ git add .

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ git commit -m "all files are committed successfully"
[master 7a24a84] all files are committed successfully
 3 files changed, 23 insertions(+)
 create mode 100644 .gitignore
 create mode 100644 info.txt

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ git status
On branch master
nothing to commit, working tree clean

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$
```

12. Log all your comments so far.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ git log
commit 7a24a844cbaa7ad6ee7611d4bb9936ddf466fe23 (HEAD -> master)
Author: ABHISHEK SAH <abhisheksah255@gmail.com>
Date:   Wed Jan 19 16:07:37 2022 +0530

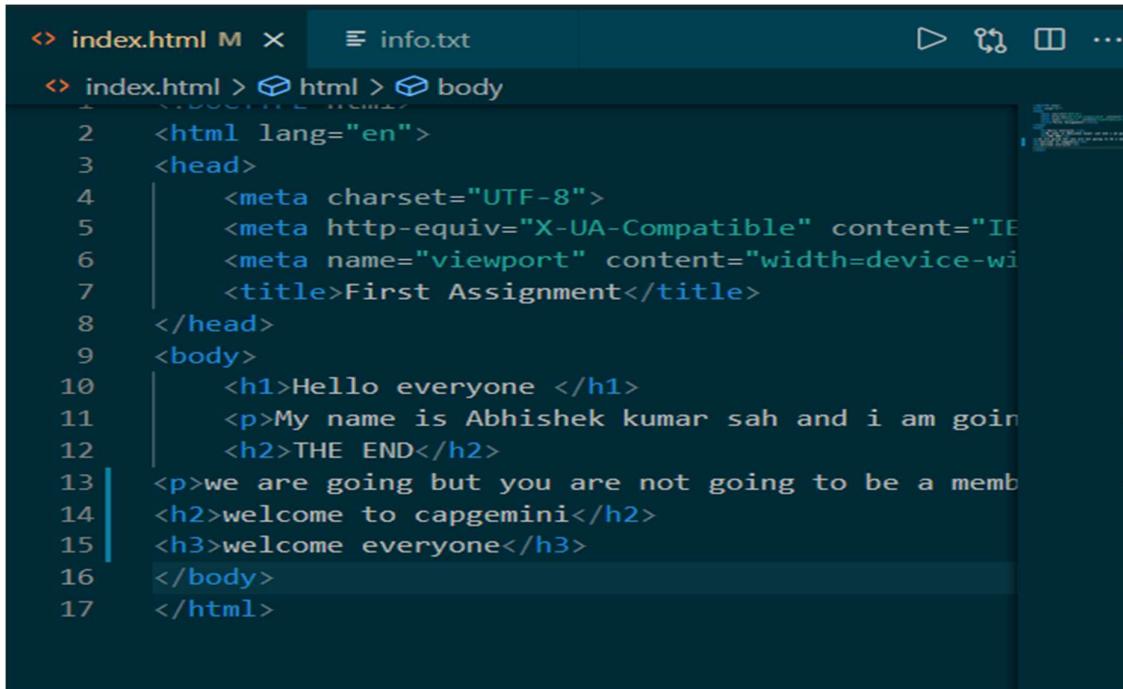
  all files are committed successfully

commit dc1ecb7b347b9e69a7ab7b70ff775244b323ffef
Author: ABHISHEK SAH <abhisheksah255@gmail.com>
Date:   Wed Jan 19 15:16:10 2022 +0530

  successfully created index.html

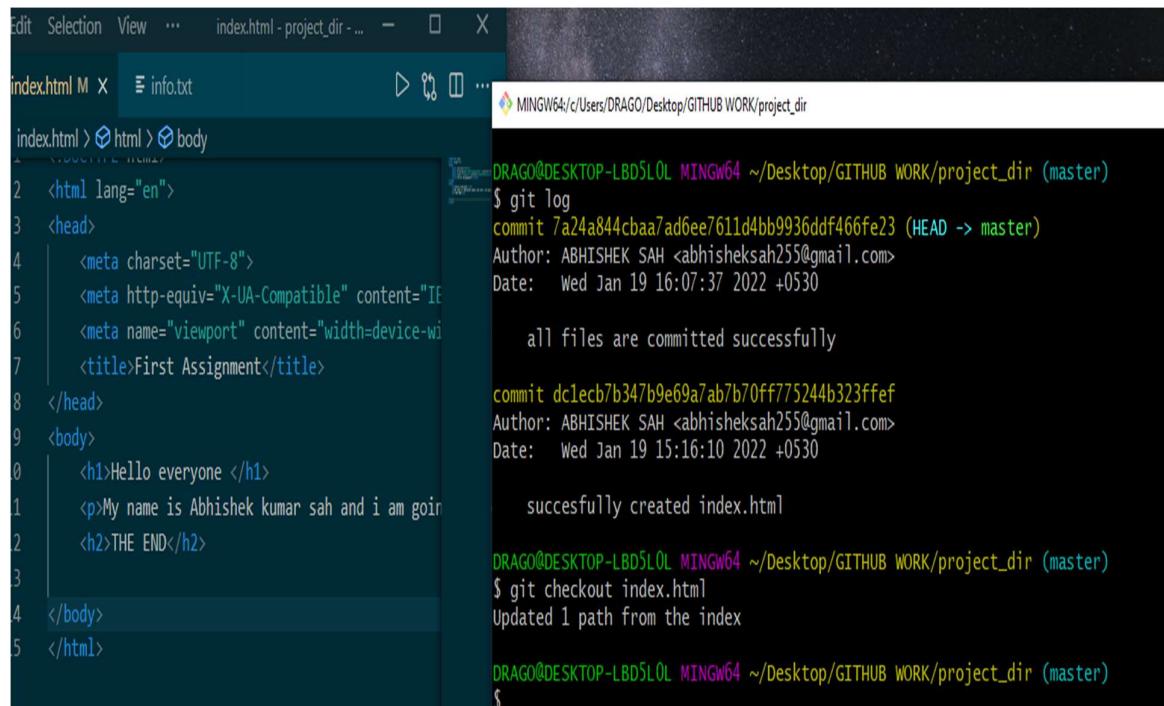
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ |
```

13. Make some changes in index.html.



```
<index.html M X info.txt>
<index.html > html > body
2   <html lang="en">
3     <head>
4       <meta charset="UTF-8">
5       <meta http-equiv="X-UA-Compatible" content="IE">
6       <meta name="viewport" content="width=device-wi
7       <title>First Assignment</title>
8     </head>
9     <body>
10    <h1>Hello everyone </h1>
11    <p>My name is Abhishek kumar sah and i am goin
12    <h2>THE END</h2>
13    <p>we are going but you are not going to be a memb
14    <h2>welcome to capgemini</h2>
15    <h3>welcome everyone</h3>
16  </body>
17 </html>
```

14. Revert the change made in the previous step using git command.



```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ git log
commit 7a24a844cbaa7ad6ee7611d4bb9936ddf466fe23 (HEAD -> master)
Author: ABHISHEK SAH <abhisheksah255@gmail.com>
Date:   Wed Jan 19 16:07:37 2022 +0530

    all files are committed successfully

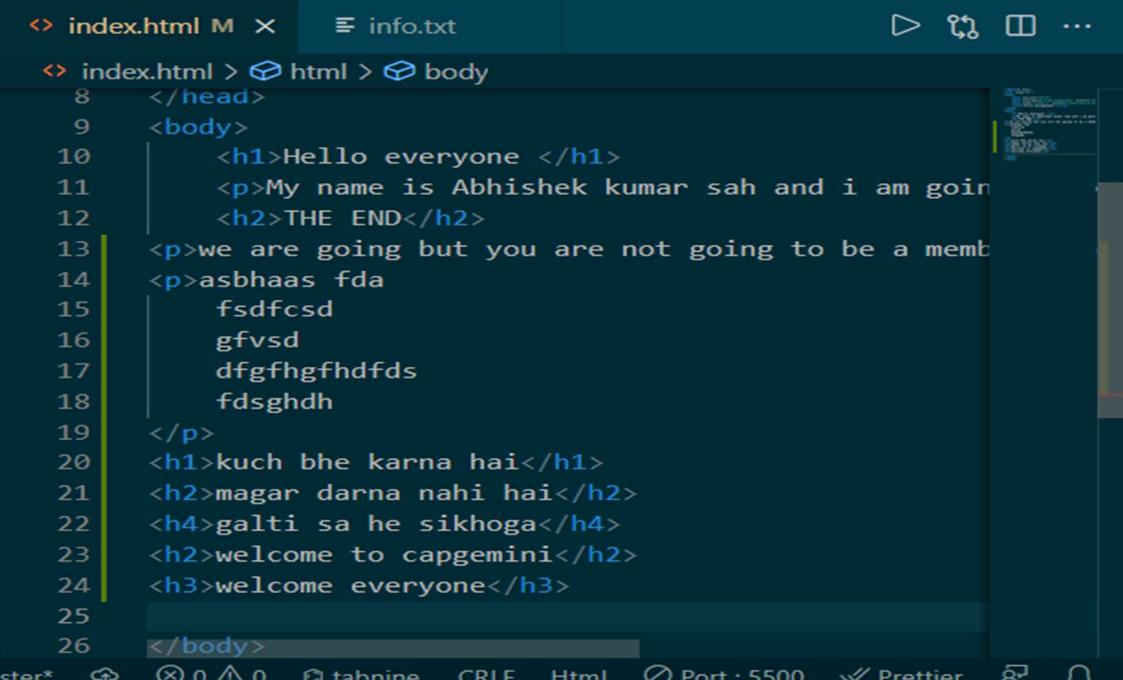
commit dc1ecb7b347b9e69a7ab7b70ff775244b323ffef
Author: ABHISHEK SAH <abhisheksah255@gmail.com>
Date:   Wed Jan 19 15:16:10 2022 +0530

    successfully created index.html

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ git checkout index.html
Updated 1 path from the index

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$
```

15. Again change index.html.



The screenshot shows a code editor window with the file 'index.html' open. The code contains several HTML elements including `<h1>`, `<p>`, and `<h2>`. There are also several lines of text that do not follow standard HTML syntax, such as 'we are going but you are not going to be a memb', 'asbhaas fda', and 'fsdfcsd'. The code editor has a dark theme with syntax highlighting. The status bar at the bottom shows tabs for 'ster*', 'info.txt', and 'index.html', along with icons for tab navigation, CRLF, and Prettier.

16. Stage index.html

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ git add index.html

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified:   index.html

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ |
```

17. Revert back the last stage.

The screenshot shows a Windows desktop environment. In the foreground, the Visual Studio Code interface is open. On the left is the sidebar with icons for file operations. The main editor area shows the code for index.html:

```
</head>
<body>
    <h1>Hello everyone </h1>
    <p>My name is Abhishek kumar sah and i am going to share my knowledge with you all</p>
    <h2>THE END</h2>
</body>
</html>
```

The code editor has a status bar at the bottom showing tabs for master, 0 staged changes, and other options like CRLF and Prettier. To the right of the editor is a terminal window with the following command history:

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ git restore --staged index.html

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (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:   index.html

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

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ git checkout index.html
Updated 1 path from the index

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$
```

18. Rename 'add' command to 'my-add'.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ git config --global alias.my-add add
```

19. Using my_add command Stage index.html again & commit the changes.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ git my-add index.html

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ git commit -m "command change add to my-add successfully"
[master 033366d] command change add to my-add successfully
 1 file changed, 12 insertions(+)

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$ git status
On branch master
nothing to commit, working tree clean

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project_dir (master)
$
```

20. Revert the last commit.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project
_dir (master)
$ git reset HEAD~
Unstaged changes after reset:
M      index.html

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project
_dir (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:   index.html

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

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project
_dir (master)
$ git add index.html

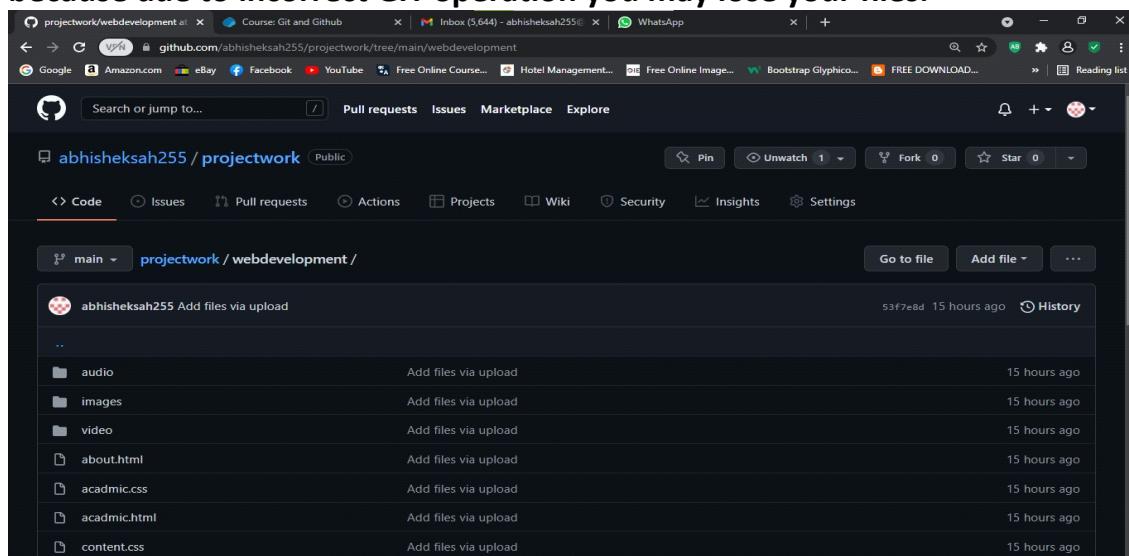
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/project
_dir (master)
$
```

GIT Branching

Objective: Commit HTML, CSS & JavaScript assignments into GIT.

SECTION-1 (HTML assignments) - Steps to follow:

21. First take a backup of your assignments & projects. This is required because due to incorrect GIT operation you may lose your files.



22. Create an empty directory 'Assignments' & cd to 'Assignments'.

```
MINGW64:/c/Users/DRAGO/Desktop/Assignments
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop
$ mkdir Assignments

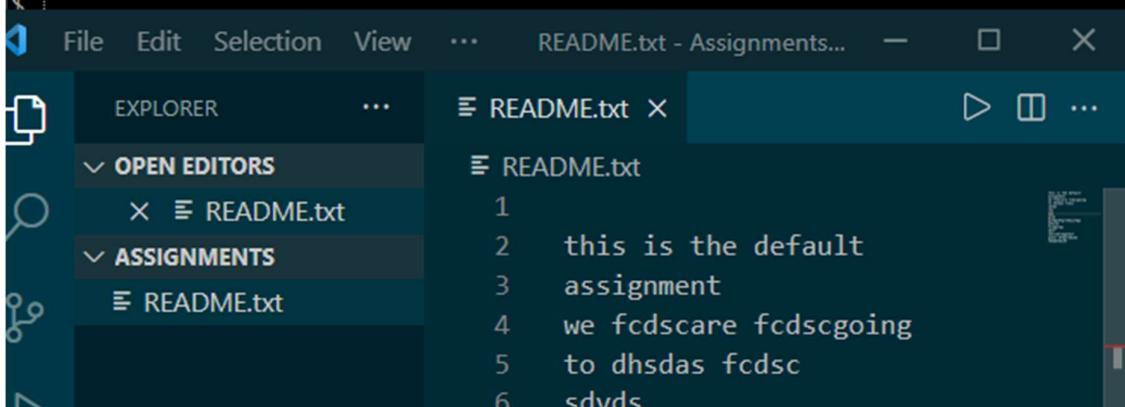
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop
$ cd Assignments

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments
```

23. Create a file README.txt inside 'Assignments' & write few lines about the contents of 'Assignments' folder.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments
$ touch README.txt

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments
$ code .
File Edit Selection View ... README.txt - Assignments... - □ ×
EXPLORER ...
OPEN EDITORS ...
README.txt X ...
ASSIGNMENTS ...
README.txt
1
2 this is the default
3 assignment
4 we fcdscare fcdscgoing
5 to dhsdas fcdsc
6 sdvds
```



24. Commit README.txt file.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (master)
$ git add README.txt

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (master)
$ git commit -m "we are committing readme file"
[master (root-commit) b250a63] we are committing readme file
 1 file changed, 16 insertions(+)
 create mode 100644 README.txt
```

25. Now create a new branch ‘html-assignments’.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (master)
$ git branch html-assignments
```

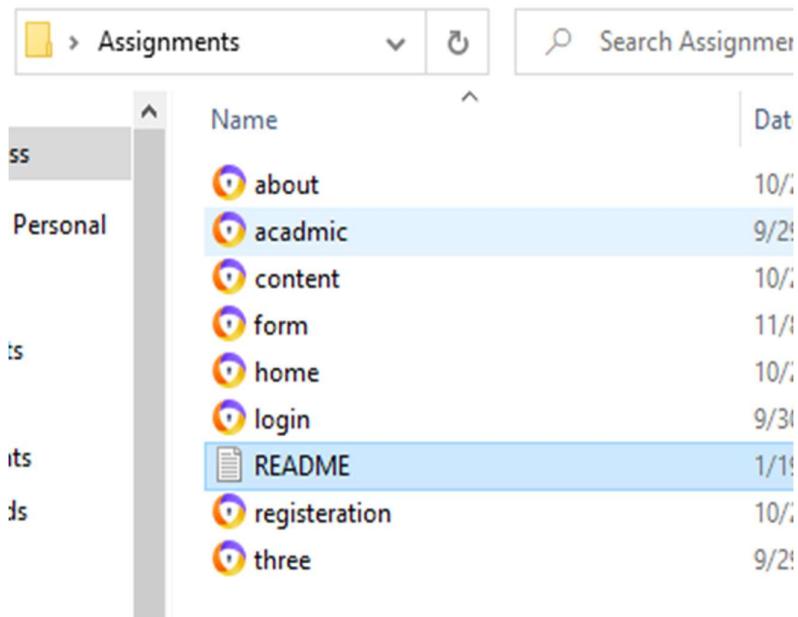
```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (master)
$
```

26. Switch to ‘html-assignments’ branch.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (master)
$ git checkout html-assignments
Switched to branch 'html-assignments'
```

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (html-assignments)
$ |
```

27. Copy all HTML assignments inside ‘Assignments’ folder.



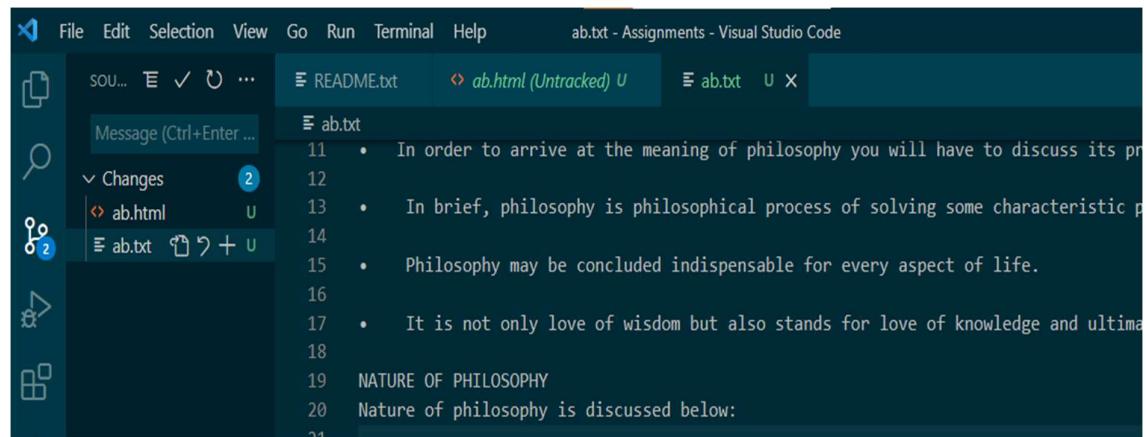
28. Commit HTML assignments into 'html-assignments' branch.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (html-assignments)
$ git status
On branch html-assignments
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file: about.html
    new file: acadmic.html
    new file: content.html
    new file: form.html
    new file: home.html
    new file: login.html
    new file: registration.html
    new file: three.html

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (html-assignments)
$ git commit -m "commit all html file from assignment into html-assignments"
[html-assignments b27a692] commit all html file from assignment into html-assignments
 8 files changed, 445 insertions(+)
 create mode 100644 about.html
 create mode 100644 acadmic.html
 create mode 100644 content.html
 create mode 100644 form.html
 create mode 100644 home.html
 create mode 100644 login.html
 create mode 100644 registration.html
 create mode 100644 three.html

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (html-assignments)
$ |
```

29. Make minor changes into few files belonging to 'html-assignments' branch.



30. Commit those changed files.

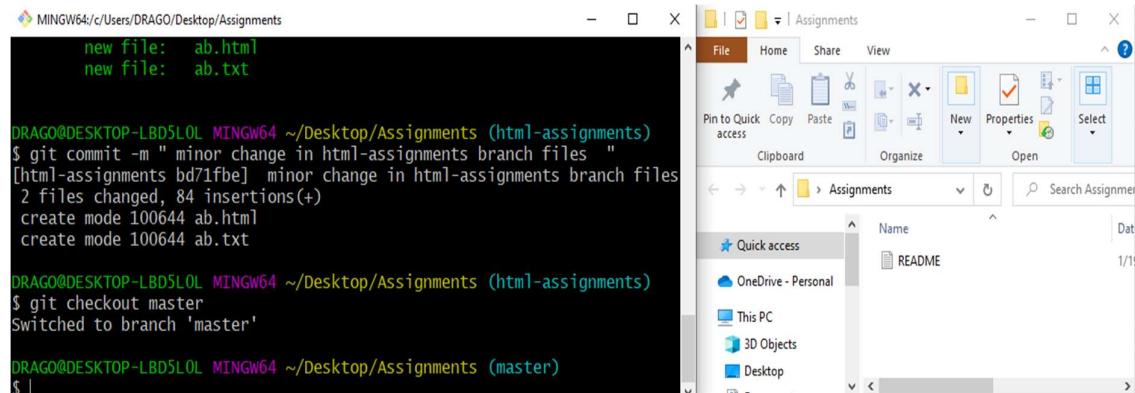
```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (html-assignments)
$ git add .

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (html-assignments)
$ git status
On branch html-assignments
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file: ab.html
    new file: ab.txt

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (html-assignments)
$ git commit -m " minor change in html-assignments branch files "
[html-assignments bd71fbe] minor change in html-assignments branch files
2 files changed, 84 insertions(+)
create mode 100644 ab.html
create mode 100644 ab.txt

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (html-assignments)
$ |
```

31. Switch to master branch.



32. Make minor changes into README.txt file & commit those changes into master.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (master)
$ git add *.txt

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (master)
$ git commit -m "now do some change in readme file which are in master br
anch"
[master 3d2a977] now do some change in readme file which are in master br
anch
1 file changed, 4 insertions(+)

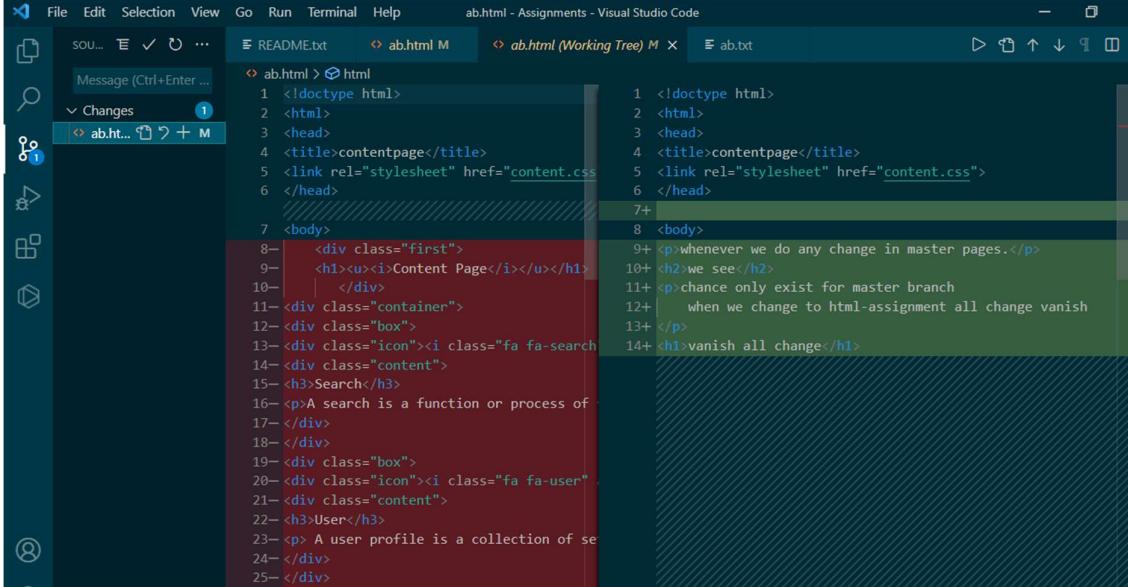
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (master)
$
```

33. Again switch to 'html-assignments' branch.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (master)
$ git checkout html-assignments
Switched to branch 'html-assignments'

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (html-assignments)
$ |
```

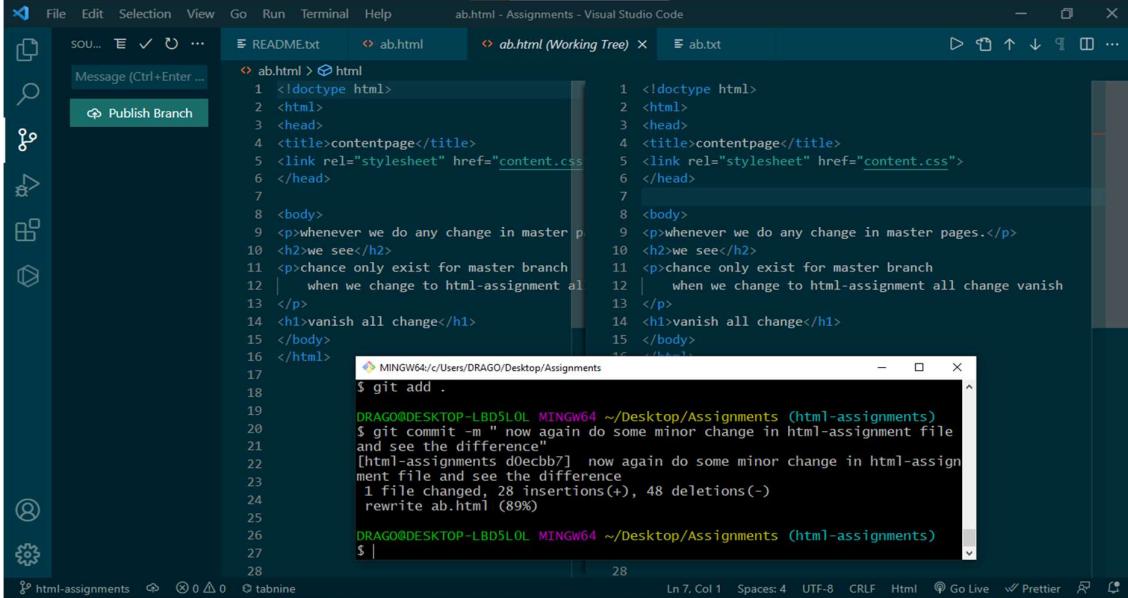
34. Make minor changes into few files belonging to 'html-assignments' branch.



The screenshot shows the Visual Studio Code interface with the file 'ab.html' open. The code editor displays several changes made to the file. A green bar highlights the changes, and a red bar highlights specific lines of code. The changes include adding new sections and modifying existing ones. The status bar at the bottom indicates the file is 89% complete.

```
1 <!doctype html>
2 <html>
3 <head>
4 <title>contentpage</title>
5 <link rel="stylesheet" href="content.css">
6 </head>
7 <body>
8 <div class="first">
9   <h1><u>i</u>Content Page</h1></u></h1>
10  | </div>
11 <div class="container">
12 <div class="box">
13 <div class="icon"><i class="fa fa-search"></i>
14 <div class="content">
15 <h3>Search</h3>
16 <p>A search is a function or process of
17 </div>
18 </div>
19 <div class="box">
20 <div class="icon"><i class="fa fa-user"></i>
21 <div class="content">
22 <h3>User</h3>
23 <p>A user profile is a collection of se
24 </div>
25 </div>
```

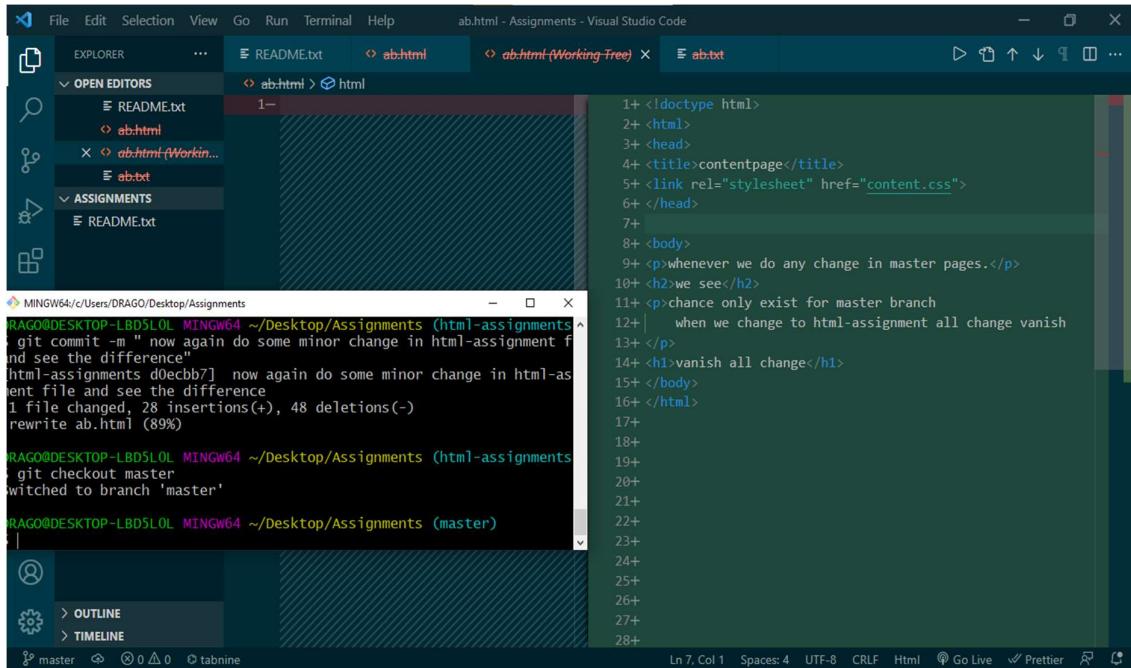
35. Commit those changes.



The screenshot shows the Visual Studio Code interface with a terminal window open at the bottom. The terminal shows the command 'git add .' followed by the output of the 'git commit' command. The commit message is 'now again do some minor change in html-assignment file and see the difference'. The terminal also shows the file statistics: 1 file changed, 28 insertions(+), 48 deletions(-), and a rewrite of ab.html (89%).

```
1 <!doctype html>
2 <html>
3 <head>
4 <title>contentpage</title>
5 <link rel="stylesheet" href="content.css">
6 </head>
7
8 <body>
9 <p>whenever we do any change in master p
10 <h2>we see</h2>
11 <p>chance only exist for master branch
12 | when we change to html-assignment al
13 </p>
14 <h1>vanish all change</h1>
15 </body>
16 </html>
17
18
19 DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (html-assignments)
20 $ git add .
21
22 DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (html-assignments)
23 $ git commit -m "now again do some minor change in html-assignment file
24 and see the difference"
25 [html-assignments d0ecbb7] now again do some minor change in html-assignment
26 file and see the difference
27 1 file changed, 28 insertions(+), 48 deletions(-)
28 rewrite of ab.html (89%)
```

36. Switch to master.



File Edit Selection View Go Run Terminal Help ab.html - Assignments - Visual Studio Code

EXPLORER ... README.txt ab.html ab.html (Working Tree) ab.txt

OPEN EDITORS README.txt ab.html ab.html (Working Tree) ab.txt

ASSIGNMENTS README.txt

MINGW64:/c/Users/DRAGO/Desktop/Assignments RAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (html-assignments)

```
$ git commit -m " now again do some minor change in html-assignment f  
and see the difference"  
[html-assignments d0ecbb7] now again do some minor change in html-assignment  
file and see the difference  
1 file changed, 28 insertions(+), 48 deletions(-)  
rewrite ab.html (89%)
```

RAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (html-assignments)

```
$ git checkout master  
switched to branch 'master'
```

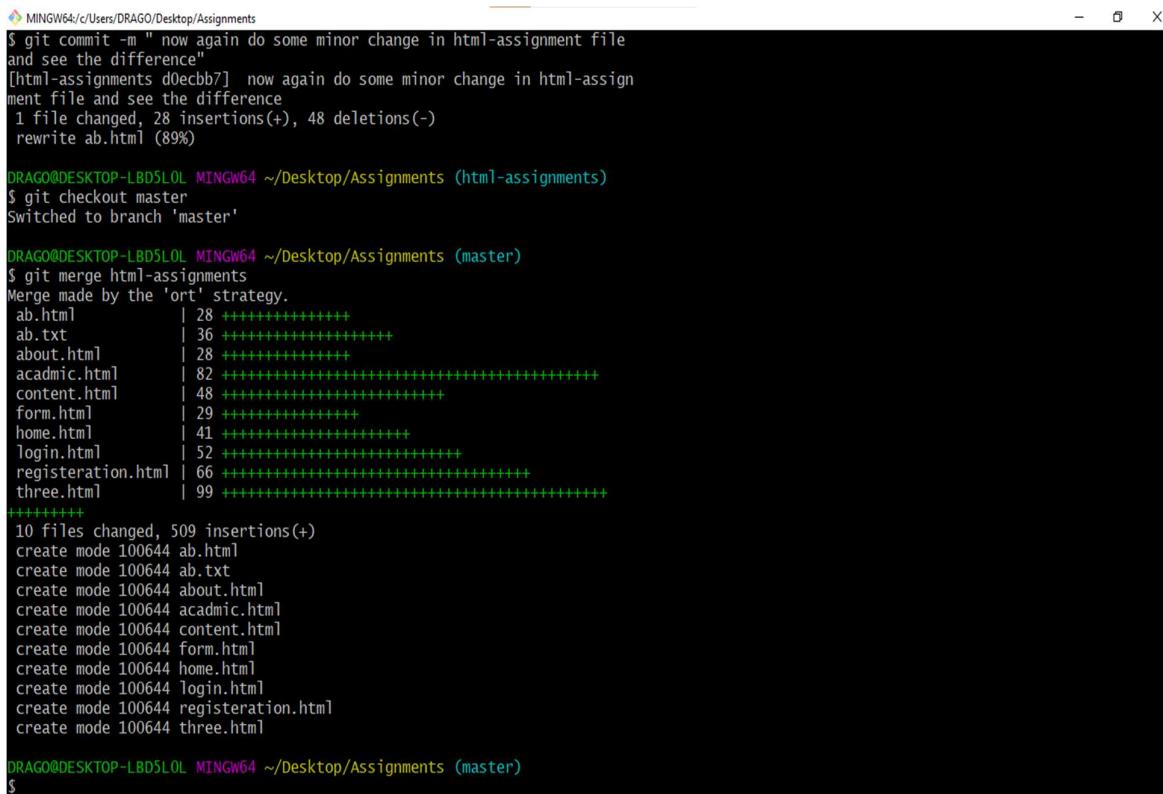
RAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (master)

OUTLINE TIMELINE

master 0 0 tabnine

Ln 7, Col 1 Spaces: 4 UTF-8 CRLF Html ⚡ Go Live ✨ Prettier

37. Merge 'html-assignments' branch into master. Confirm all html assignments are shown in master.



```
MINGW64:/c/Users/DRAGO/Desktop/Assignments  
$ git commit -m " now again do some minor change in html-assignment file  
and see the difference"  
[html-assignments d0ecbb7] now again do some minor change in html-assignment  
file and see the difference  
1 file changed, 28 insertions(+), 48 deletions(-)  
rewrite ab.html (89%)
```

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (html-assignments)  
$ git checkout master  
Switched to branch 'master'
```

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (master)  
$ git merge html-assignments  
Merge made by the 'ort' strategy.  
ab.html | 28 ++++++  
ab.txt | 36 ++++++  
about.html | 28 ++++++  
academic.html | 82 ++++++  
content.html | 48 ++++++  
form.html | 29 ++++++  
home.html | 41 ++++++  
login.html | 52 ++++++  
registration.html | 66 ++++++  
three.html | 99 ++++++  
++++++  
10 files changed, 509 insertions(+)  
create mode 100644 ab.html  
create mode 100644 ab.txt  
create mode 100644 about.html  
create mode 100644 academic.html  
create mode 100644 content.html  
create mode 100644 form.html  
create mode 100644 home.html  
create mode 100644 login.html  
create mode 100644 registration.html  
create mode 100644 three.html
```

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (master)
```

38. Finally delete the ‘html-assignments’ branch.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (master)
$ git branch -d html-assignments
Deleted branch html-assignments (was d0ecbb7).
```

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/Assignments (master)
$ |
```

SECTION-2 - (CSS assignments) Steps to follow:

1. Create a new branch ‘css-assignments’.

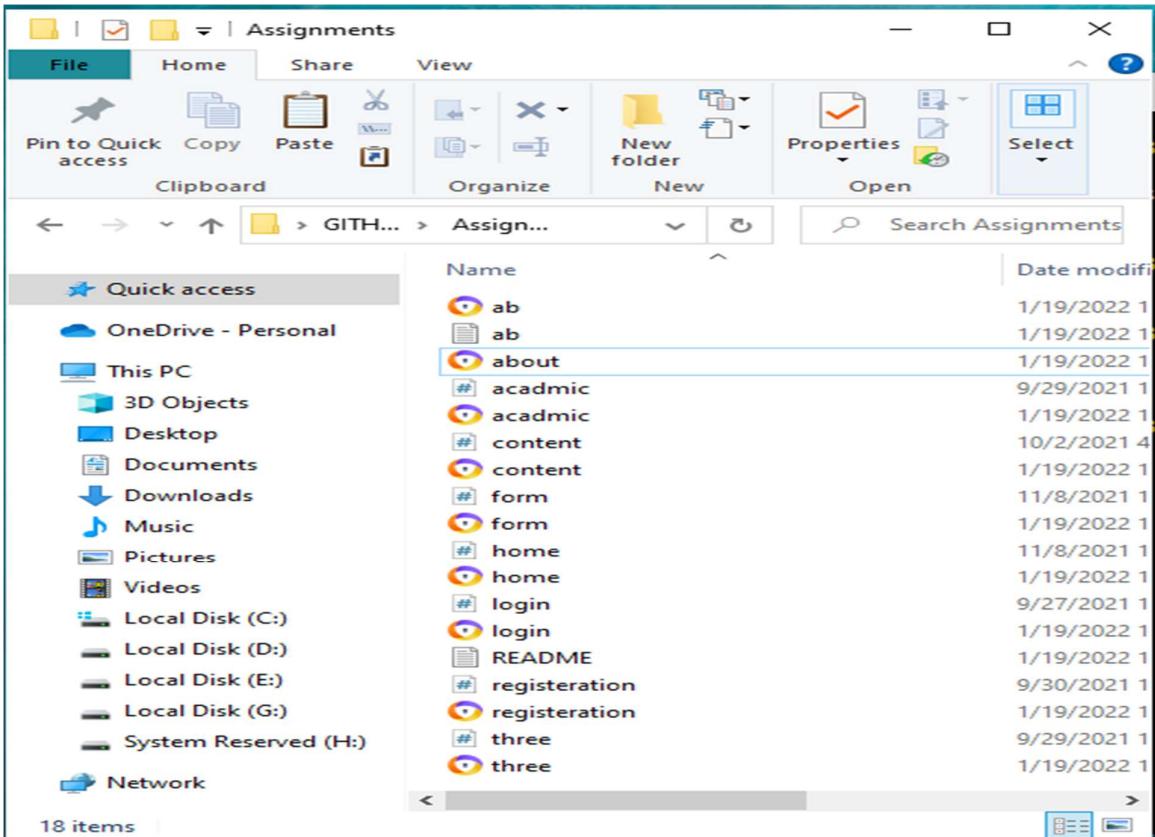
```
MINGW64:/c/Users/DRAGO/Desktop/GITHUB WORK/Assignments
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (master)
$ git init
Reinitialized existing Git repository in C:/Users/DRAGO/Desktop/GITHUB WORK/
Assignments/.git/
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (master)
$ git branch css-assignments
```

2. Switch to ‘css-assignments’ branch.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (master)
$ git checkout css-assignments
Switched to branch 'css-assignments'

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (css-assig
nments)
$ |
```

3. Copy all CSS assignments inside 'Assignments' folder.



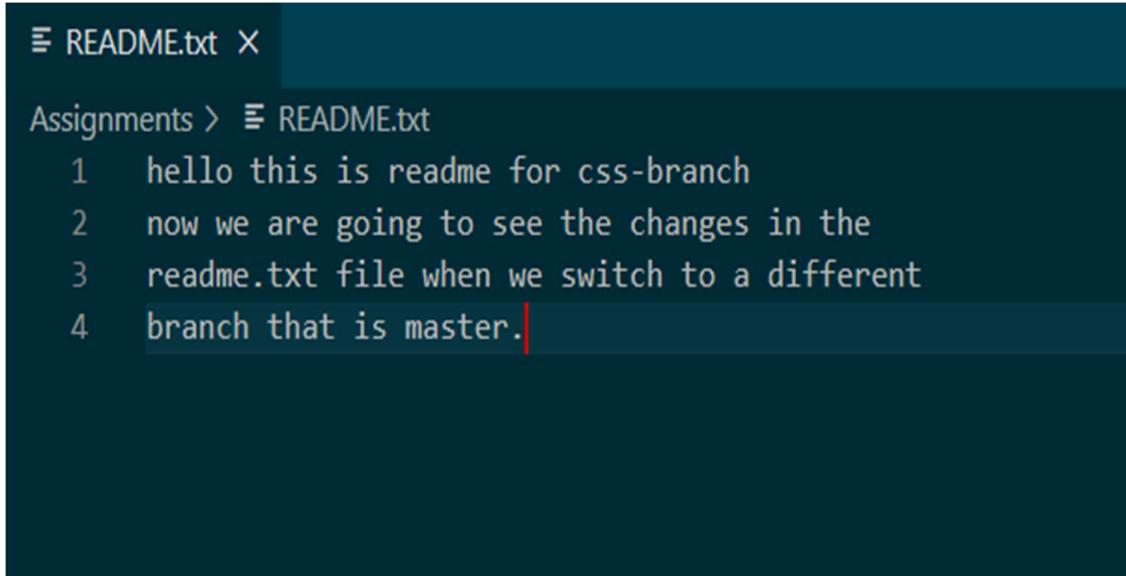
4. Commit CSS assignments into 'css-assignments' branch.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (css-assignments)
$ git add .

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (css-assignments)
$ git commit -m "commit all css file in css-assignment branch"
[css-assignments 15e7d9c] commit all css file in css-assignment branch
7 files changed, 383 insertions(+)
create mode 100644 acadmic.css
create mode 100644 content.css
create mode 100644 form.css
create mode 100644 home.css
create mode 100644 login.css
create mode 100644 registration.css
create mode 100644 three.css

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (css-assignments)
$ |
```

5. Make minor changes into README.txt file on line 1 belonging to ‘css-assignments’ branch.



```
≡ README.txt X
Assignments > ≡ README.txt
1 hello this is readme for css-branch
2 now we are going to see the changes in the
3 readme.txt file when we switch to a different
4 branch that is master.
```

6. Commit those changed files.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (css-assignments)
$ git add .

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (css-assignments)
$ git status
On branch css-assignments
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified: README.txt

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (css-assignments)
```

7. Switch to master branch.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (css-assignments)
$ git checkout master
Switched to branch 'master'
M      README.txt
Your branch is up to date with 'origin/master'.

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (master)
$ |
```

8. Make minor changes into README.txt file on line 3 & commit those changes into master.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (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.txt

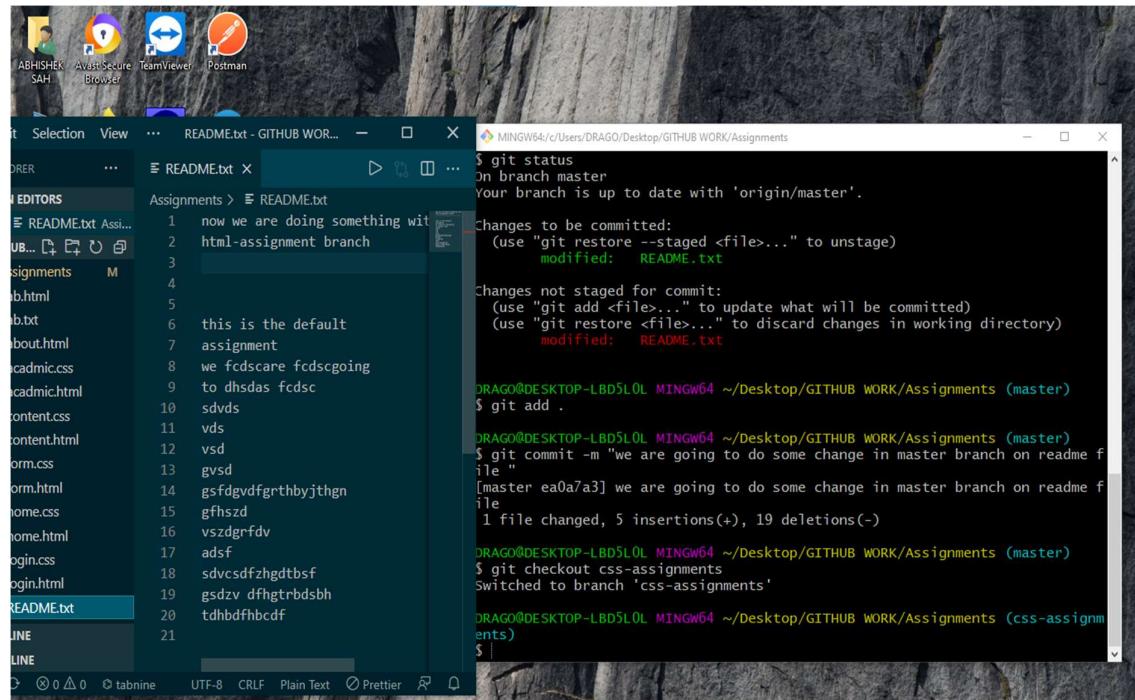
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   README.txt

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (master)
$ git add .

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (master)
$ git commit -m "we are going to do some change in master branch on readme file"
[master ea0a7a3] we are going to do some change in master branch on readme file
 1 file changed, 5 insertions(+), 19 deletions(-)

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (master)
$
```

9. Again switch to 'css-assignments' branch.



10. Make minor changes into few files belonging to ‘css-assignments’ branch.

```
# academic.css 1, M
dmic.css > here we are deleting all the elements that are present in this section at time of master branch and now we see the change.
```

11. Commit those changes.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (css-assignments)
$ git status
On branch css-assignments
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:   academic.css

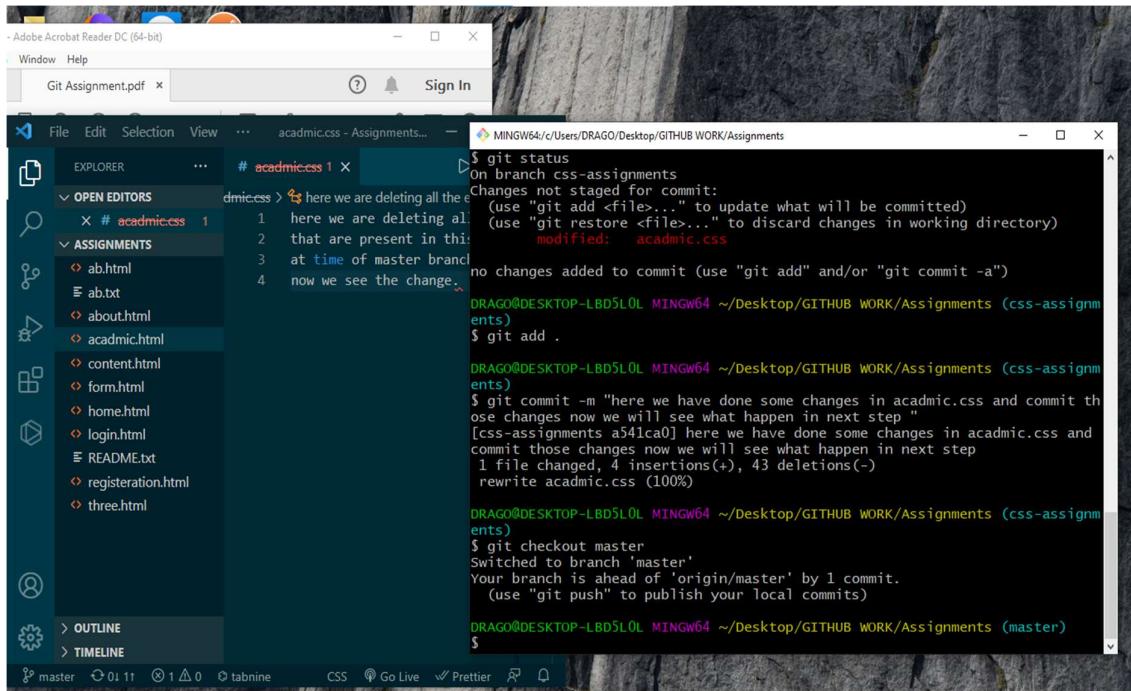
no changes added to commit (use "git add" and/or "git commit -a")

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (css-assignments)
$ git add .

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (css-assignments)
$ git commit -m "here we have done some changes in academic.css and commit those changes now we will see what happen in next step"
[css-assignments a541ca0] here we have done some changes in academic.css and commit those changes now we will see what happen in next step
  1 file changed, 4 insertions(+), 43 deletions(-)
  rewrite academic.css (100%)

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (css-assignments)
$
```

12. Switch to master.



```
MINGW64/c/Users/DRAGO/Desktop/GITHUB WORK/Assignments
$ git status
On branch css-assignments
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: academic.css

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

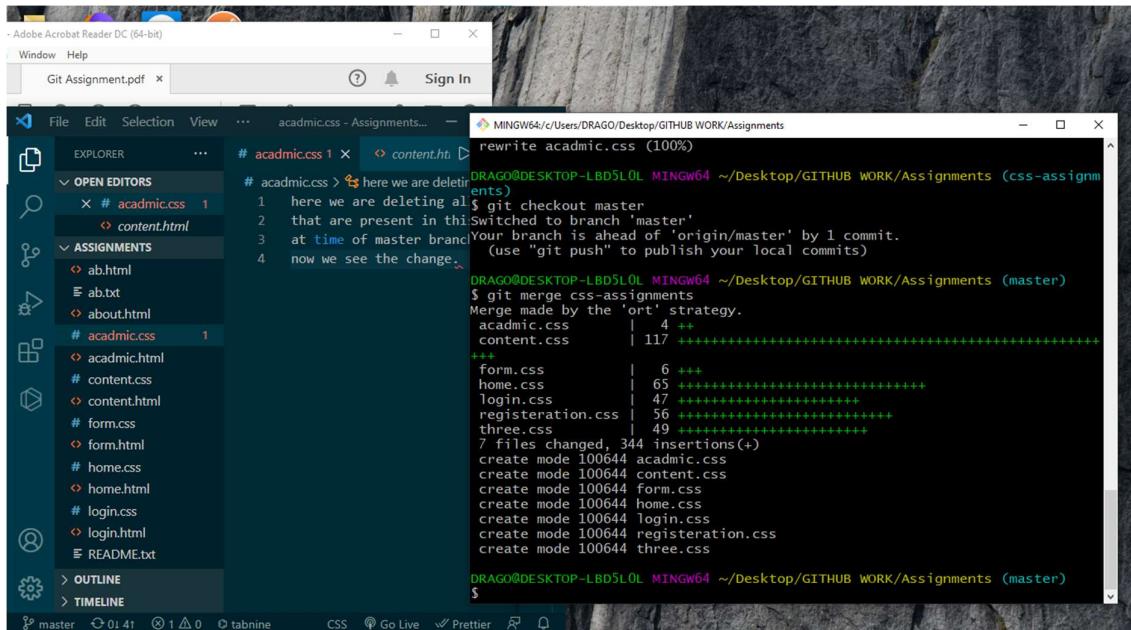
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (css-assignments)
$ git add .

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (css-assignments)
$ git commit -m "here we have done some changes in academic.css and commit those changes now we will see what happen in next step"
[css-assignments a541ca0] here we have done some changes in academic.css and commit those changes now we will see what happen in next step
 1 file changed, 4 insertions(+), 43 deletions(-)
   rewrite academic.css (100%)

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (css-assignments)
$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (master)
```

13. Merge 'css-assignments' branch into master. Confirm all css assignments are shown in master.



```
MINGW64/c/Users/DRAGO/Desktop/GITHUB WORK/Assignments
# academic.css 1 > content.html
rewrite academic.css (100%)
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (css-assignments)
# academic.css > here we are deleting all the files present in this branch
1 here we are deleting all the files present in this branch
2 that are present in this branch
3 at time of master branch
4 now we see the changes

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (css-assignments)
$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (master)
$ git merge css-assignments
Merge made by the 'ort' strategy.
  academic.css |  4 ++
  content.css  | 117 ++++++++++++++++++++++++++++++++++++++++++++++++++
  form.css     |   6 ++
  home.css    |  65 ++++++++++++++++++++++++++++++
  login.css   |  47 ++++++++++++++++++++++
  registration.css |  56 ++++++
  three.css   |  49 ++++++
7 files changed, 344 insertions(+)
  create mode 100644 academic.css
  create mode 100644 content.css
  create mode 100644 form.css
  create mode 100644 home.css
  create mode 100644 login.css
  create mode 100644 registration.css
  create mode 100644 three.css

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (master)
```

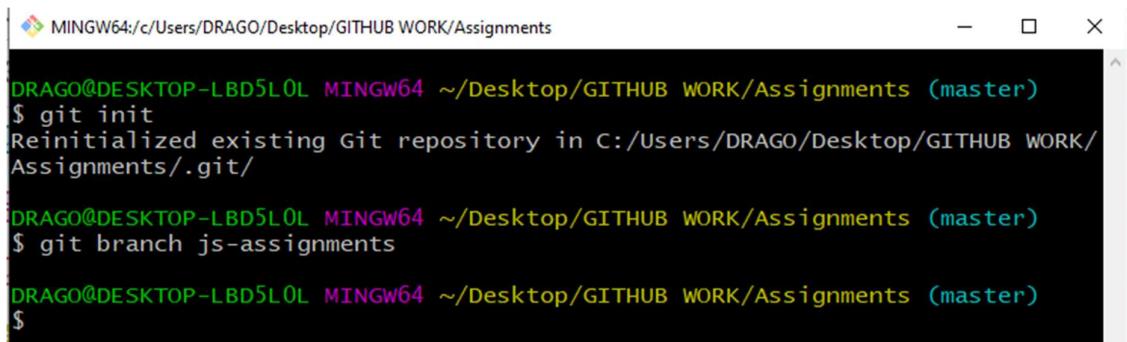
14. Finally delete the 'css-assignments' branch.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (master)
$ git branch -d css-assignments
Deleted branch css-assignments (was a541ca0).
```

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (master)
$
```

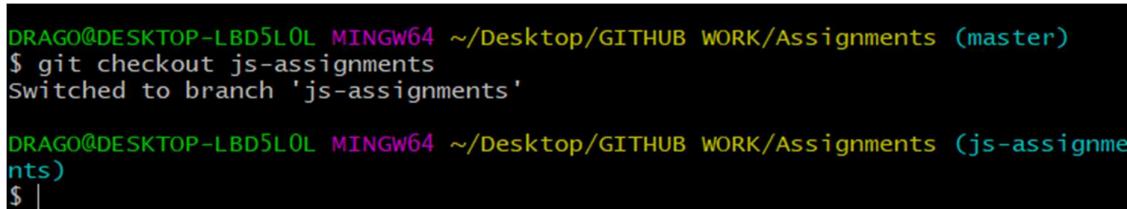
SECTION-3 - (JavaScript assignments) Steps to follow:

1. Create a new branch 'js-assignments'.



```
MINGW64:/c/Users/DRAGO/Desktop/GITHUB WORK/Assignments
$ git init
Reinitialized existing Git repository in C:/Users/DRAGO/Desktop/GITHUB WORK/
Assignments/.git/
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (master)
$ git branch js-assignments
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (master)
$
```

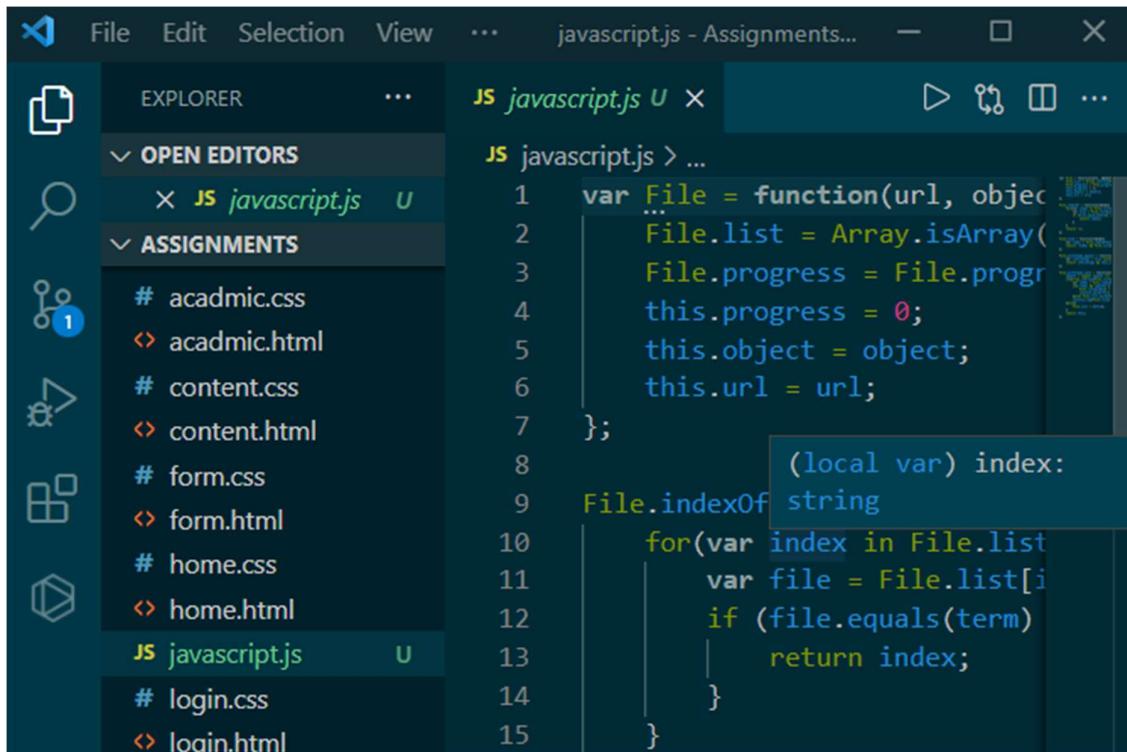
2. Switch to 'js-assignments' branch.



```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (master)
$ git checkout js-assignments
Switched to branch 'js-assignments'

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments (js-assignments)
$ |
```

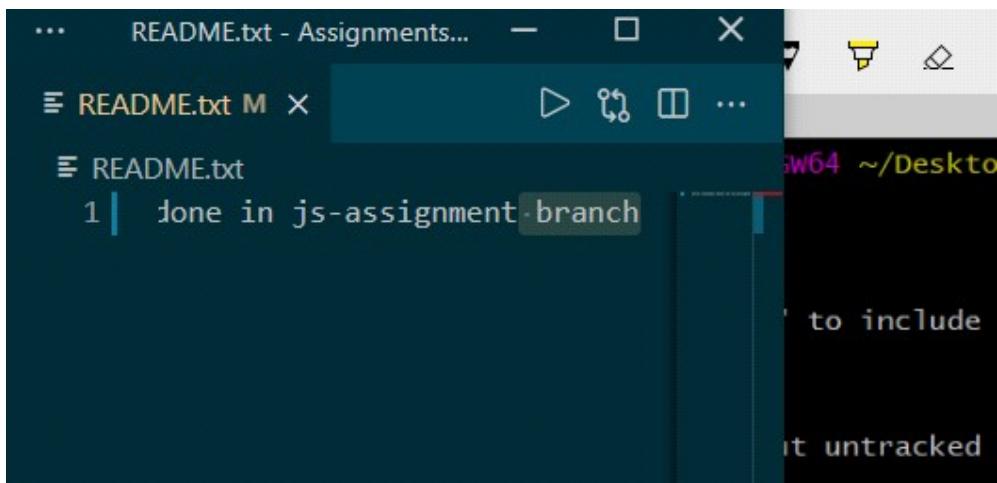
3. Copy all JavaScript assignments inside 'Assignments' folder.



4. Commit JavaScript assignments into ‘js-assignments’ branch.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignment  
nts)  
$ git status  
On branch js-assignments  
Untracked files:  
  (use "git add <file>..." to include in what will be committed)  
    javascript.js  
  
nothing added to commit but untracked files present (use "git  
add" to track)  
  
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignment  
s (js-assignments)  
$ git add .  
  
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignment  
s (js-assignments)  
$ git commit -m "here we are commit change in js-assignments b  
ranch by adding js files in assignment folder"  
[js-assignments 0c8de38] here we are commit change in js-assig  
nments branch by adding js files in assignment folder  
 1 file changed, 42 insertions(+)  
 create mode 100644 javascript.js  
  
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignment  
s (js-assignments)  
$
```

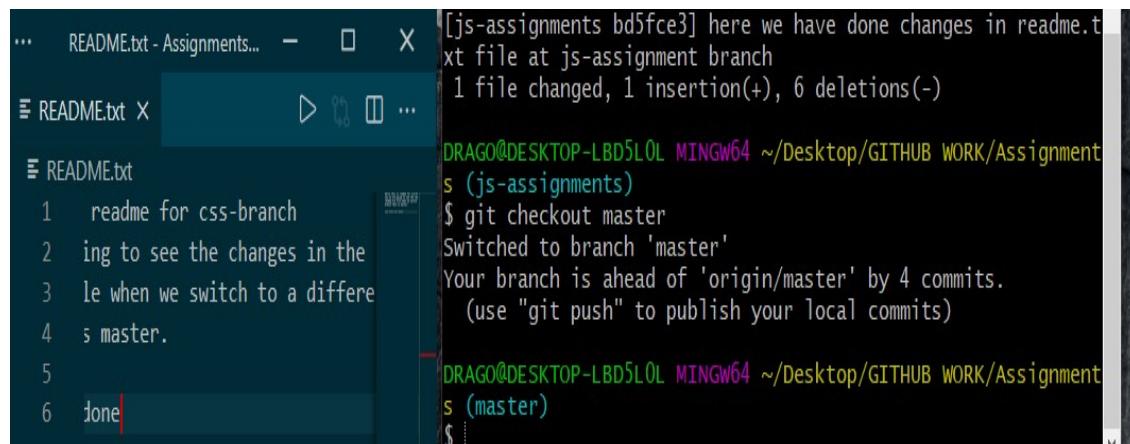
5. Make minor changes into README.txt file on line 1 belonging to ‘js-assignments’ branch.



6. Commit those changed files.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignment  
s (js-assignments)  
$ git status  
On branch js-assignments  
Changes not staged for commit:  
  (use "git add <file>..." to update what will be committed)  
    (use "git restore <file>..." to discard changes in working d  
irectory)  
        modified:   README.txt  
  
no changes added to commit (use "git add" and/or "git commit -  
a")  
  
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignment  
s (js-assignments)  
$ git add .  
  
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignment  
s (js-assignments)  
$ git commit -m "here we have done changes in readme.txt file  
at js-assignment branch"  
[js-assignments bd5fce3] here we have done changes in readme.t  
xt file at js-assignment branch  
 1 file changed, 1 insertion(+), 6 deletions(-)  
  
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignment  
s (js-assignments)  
$
```

7. Switch to master branch.



```
... README.txt - Assignments... - □ X [js-assignments bd5fce3] here we have done changes in readme.t  
xt file at js-assignment branch  
 1 file changed, 1 insertion(+), 6 deletions(-)  
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignment  
s (js-assignments)  
$ git checkout master  
Switched to branch 'master'  
Your branch is ahead of 'origin/master' by 4 commits.  
  (use "git push" to publish your local commits)  
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignment  
s (master)  
$
```

8. Make minor changes into README.txt file on line 1 & commit those changes into master.

```
DRAGO@DESKTOP-LBD5LOL MINGW64 ~/Desktop/GITHUB WORK/Assignment  
s (master)  
$ git status  
On branch master  
Your branch is ahead of 'origin/master' by 4 commits.  
(use "git push" to publish your local commits)  
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.txt  
no changes added to commit (use "git add" and/or "git commit -a")  
DRAGO@DESKTOP-LBD5LOL MINGW64 ~/Desktop/GITHUB WORK/Assignment  
s (master)  
$ git add .  
DRAGO@DESKTOP-LBD5LOL MINGW64 ~/Desktop/GITHUB WORK/Assignment  
s (master)  
$ git commit -m "here we do changes in master branch on file README.txt to see what happen in other branch"  
[master 2f3230b] here we do changes in master branch on file README.txt to see what happen in other branch  
1 file changed, 1 insertion(+), 6 deletions(-)  
DRAGO@DESKTOP-LBD5LOL MINGW64 ~/Desktop/GITHUB WORK/Assignment  
s (master)  
$
```

9. Again switch to 'js-assignments' branch.

```
DRAGO@DESKTOP-LBD5LOL MINGW64 ~/Desktop/GITHUB WORK/Assignment  
s (master)  
$ git checkout js-assignments  
Switched to branch 'js-assignments'  
DRAGO@DESKTOP-LBD5LOL MINGW64 ~/Desktop/GITHUB WORK/Assignment  
s (js-assignments)  
$
```

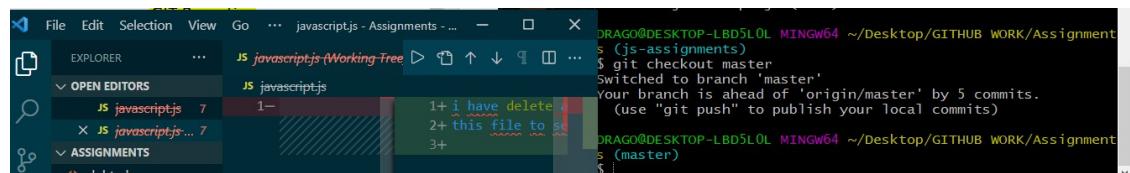
10. Make minor changes into few files belonging to 'js-assignments' branch.

```
File Edit Selection View Go Run Terminal Help javascript.js - Assignments - Visual Studio Code  
README.txt JS javascript.js 7. M JS javascript.js (Working Tree) 7. M X  
JS javascript.js  
1- var File = function(url, object){  
2-   File.list = Array.isArray(File.list)? File.list:  
3-   File.progress = File.progress || 0;  
4-   this.progress = 0;  
5-   this.object = object;  
6-   this.url = url;  
7- };  
8-  
9- File.indexOf = function(term){  
10-   if (term === '') return 0;  
11-   let index = -1;  
12-   for (let i = 0; i < File.list.length; i++) {  
13-     if (File.list[i].url === term) {  
14-       index = i;  
15-       break;  
16-     }  
17-   }  
18-   return index;
```

11. Commit those changes.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignment  
s (js-assignments)  
$ git status  
On branch js-assignments  
Changes not staged for commit:  
  (use "git add <file>..." to update what will be committed)  
    (use "git restore <file>..." to discard changes in working d  
irectory)  
      modified:   javascript.js  
  
no changes added to commit (use "git add" and/or "git commit -  
a")  
  
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignment  
s (js-assignments)  
$ git add .  
  
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignment  
s (js-assignments)  
$ git commit -m "here we have done some changes in the file ja  
vascript.js in js-assignment branch"  
[js-assignments c5995ce] here we have done some changes in the  
file javascript.js in js-assignment branch  
1 file changed, 2 insertions(+), 42 deletions(-)  
rewrite javascript.js (100%)  
  
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignment  
s (js-assignments)  
$ |
```

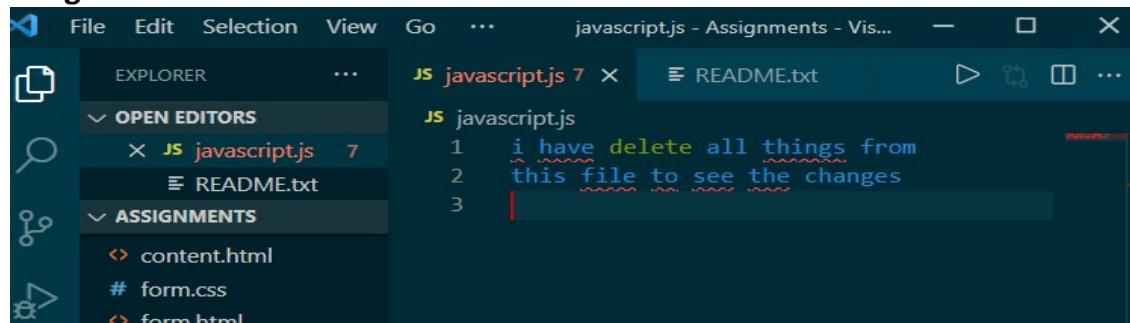
12. Switch to master.



The screenshot shows the Visual Studio Code interface. The left sidebar displays the 'EXPLORER' and 'ASSIGNMENTS' sections. The main area shows an 'OPEN EDITORS' tab with two files: 'JS javascript.js' and 'JS javascript.js'. A 'Working Tree' tab is also visible. On the right, a diff viewer shows changes made to 'javascript.js': '1+ i have delete', '2+ this file to see', and '3+'. The terminal at the bottom shows the command history:

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignment  
s (js-assignments)  
$ git checkout master  
Switched to branch 'master'  
Your branch is ahead of 'origin/master' by 5 commits.  
  (use "git push" to publish your local commits)  
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignment  
s (master)  
$ |
```

13. Merge 'js-assignments' branch into master. Confirm all JavaScript assignments are shown in master.



The screenshot shows the Visual Studio Code interface. The left sidebar displays the 'EXPLORER' and 'ASSIGNMENTS' sections. The main area shows an 'OPEN EDITORS' tab with two files: 'JS javascript.js' and 'README.txt'. The 'JS javascript.js' editor shows the following code:

```
1 i have delete all things from  
2 this file to see the changes  
3
```

14. Finally delete the 'js-assignments' branch.

```
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments  
(master)  
$ git branch -d js-assignments  
Deleted branch js-assignments (was c5995ce).  
  
DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/GITHUB WORK/Assignments  
(master)  
$
```

GIT Remoting

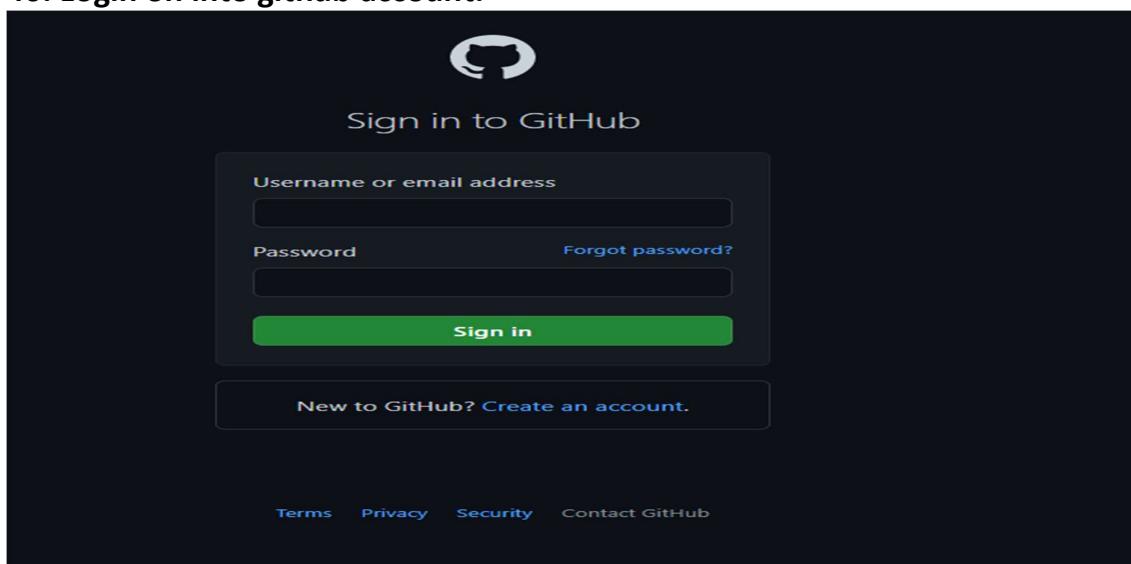
Objective: Pushing source code into GITHUB & collaborate team members.

SECTION-1 (Pushing assignments to remote repository) - Steps to follow:

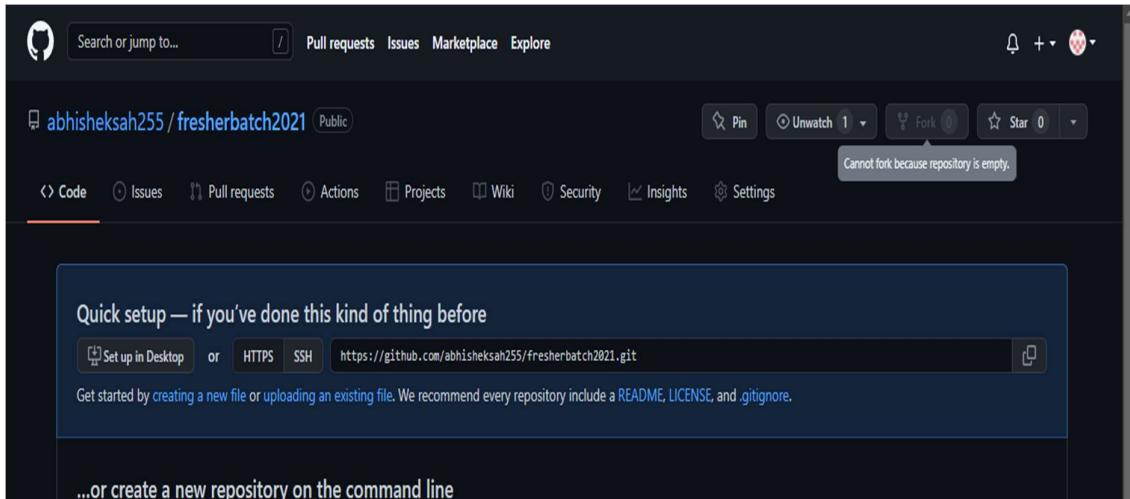
39. Create a github account if you do not have already.



40. Login on into github account.



41. Create new public repository 'freshersbatch-oct16'.



42. Commit & push any sample file to this repository under 'Assignments' directory.

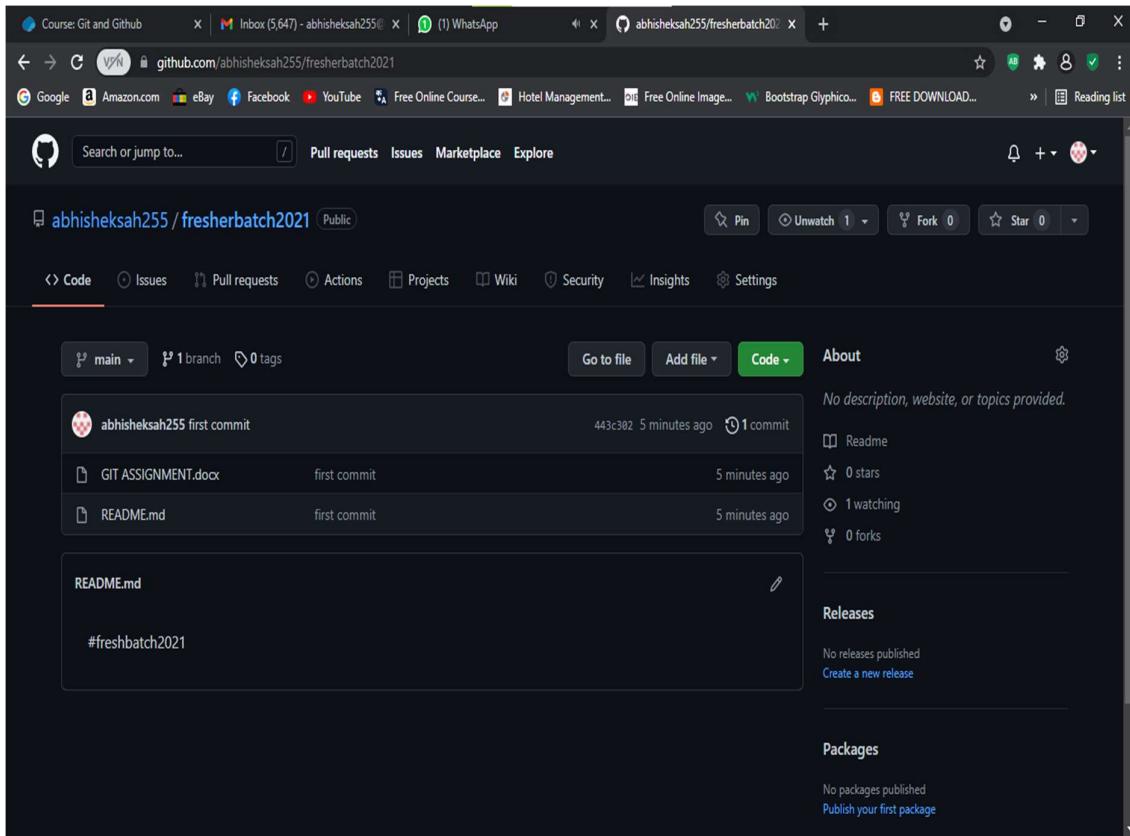
```
MINGW64:/c/Users/DRAGO/Desktop/git assignment
$ git commit -m "first commit"
[master (root-commit) 443c302] first commit
 2 files changed, 1 insertion(+)
 create mode 100644 GIT ASSIGNMENT.docx
 create mode 100644 README.md

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/git assignment (master)
$ git branch -M main

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/git assignment (main)
$ git remote add origin https://github.com/abhisheksah255/fresherbatch2021.git

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/git assignment (main)
$ git push -u origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 4.14 MiB | 235.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/abhisheksah255/fresherbatch2021.git
 * [new branch]      main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.

DRAGO@DESKTOP-LBD5L0L MINGW64 ~/Desktop/git assignment (main)
```



THANK YOU