Git and GitHub Assignment

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’.
2. Initialize git version database. (git init)
3. Create a new file index.html.
4. Check the git status. You should find index.html as untracked file.
5. Stage the index.html file.
6. Commit index.html
7. Make few changes in index.html & create a new file info.txt file.
8. Check git status. You should find index.html & info.txt as untracked files.
9. Configure GIT to ignore all txt files.

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

11. State & commit index.html

12. Log all your comments so far.

13. Make some changes in index.html.

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

15. Again change index.html.

16. Stage index.html

17. Revert back the last stage.

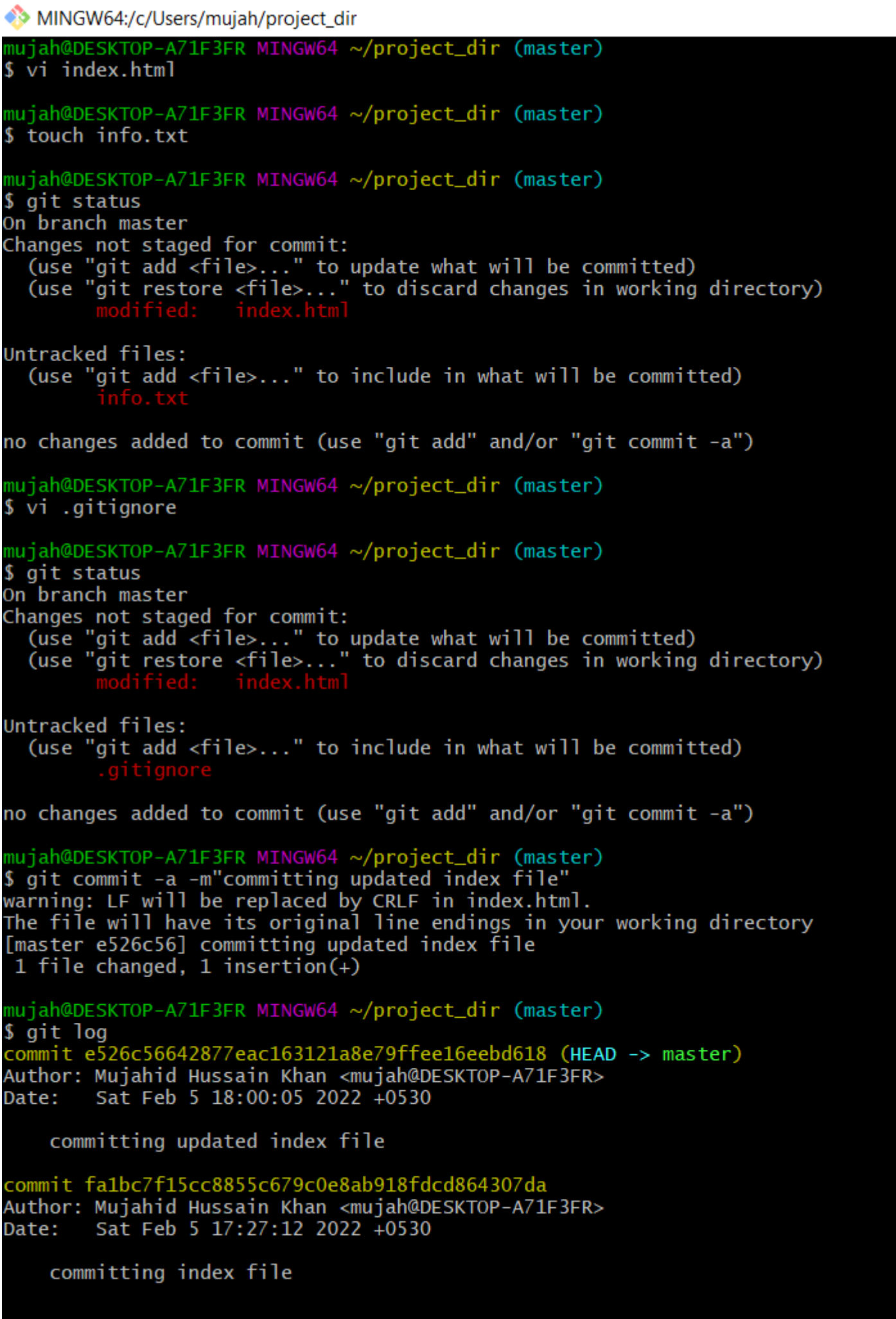
18. Rename ‘add’ command to ‘my-add’.

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

20. Revert the last commit.

MINGW64:/c/Users/mujah/project_dir

```
mujah@DESKTOP-A71F3FR MINGW64 ~
$ mkdir project_dir

mujah@DESKTOP-A71F3FR MINGW64 ~
$ cd project_dir

mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir
$ git init
Initialized empty Git repository in C:/Users/mujah/project_dir/.git/

mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ touch index.html

mujah@DESKTOP-A71F3FR MINGW64 ~/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)

mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ git add index.html

mujah@DESKTOP-A71F3FR MINGW64 ~/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


mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ git commit -m"committing index file"
[master (root-commit) fa1bc7f] committing index file
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 index.html

mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ git status
On branch master
nothing to commit, working tree clean

mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ vi index.html

mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ touch info.txt

mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
```


MINGW64:/c/Users/mujah/project_dir
mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ vi index.html
mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ touch info.txt
mujah@DESKTOP-A71F3FR MINGW64 ~/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
Untracked files:
(use "git add <file>..." to include in what will be committed)
info.txt
no changes added to commit (use "git add" and/or "git commit -a")
mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ vi .gitignore
mujah@DESKTOP-A71F3FR MINGW64 ~/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
Untracked files:
(use "git add <file>..." to include in what will be committed)
.gitignore
no changes added to commit (use "git add" and/or "git commit -a")
mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ git commit -a -m"committing updated index file"
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory
[master e526c56] committing updated index file
1 file changed, 1 insertion(+)
mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ git log
commit e526c56642877eac163121a8e79ffee16eebd618 (HEAD -> master)
Author: Mujahid Hussain Khan <mujah@DESKTOP-A71F3FR>
Date: Sat Feb 5 18:00:05 2022 +0530
committing updated index file
commit fa1bc7f15cc8855c679c0e8ab918fdcd864307da
Author: Mujahid Hussain Khan <mujah@DESKTOP-A71F3FR>
Date: Sat Feb 5 17:27:12 2022 +0530
committing index file

MINGW64:/c/Users/mujah/project_dir

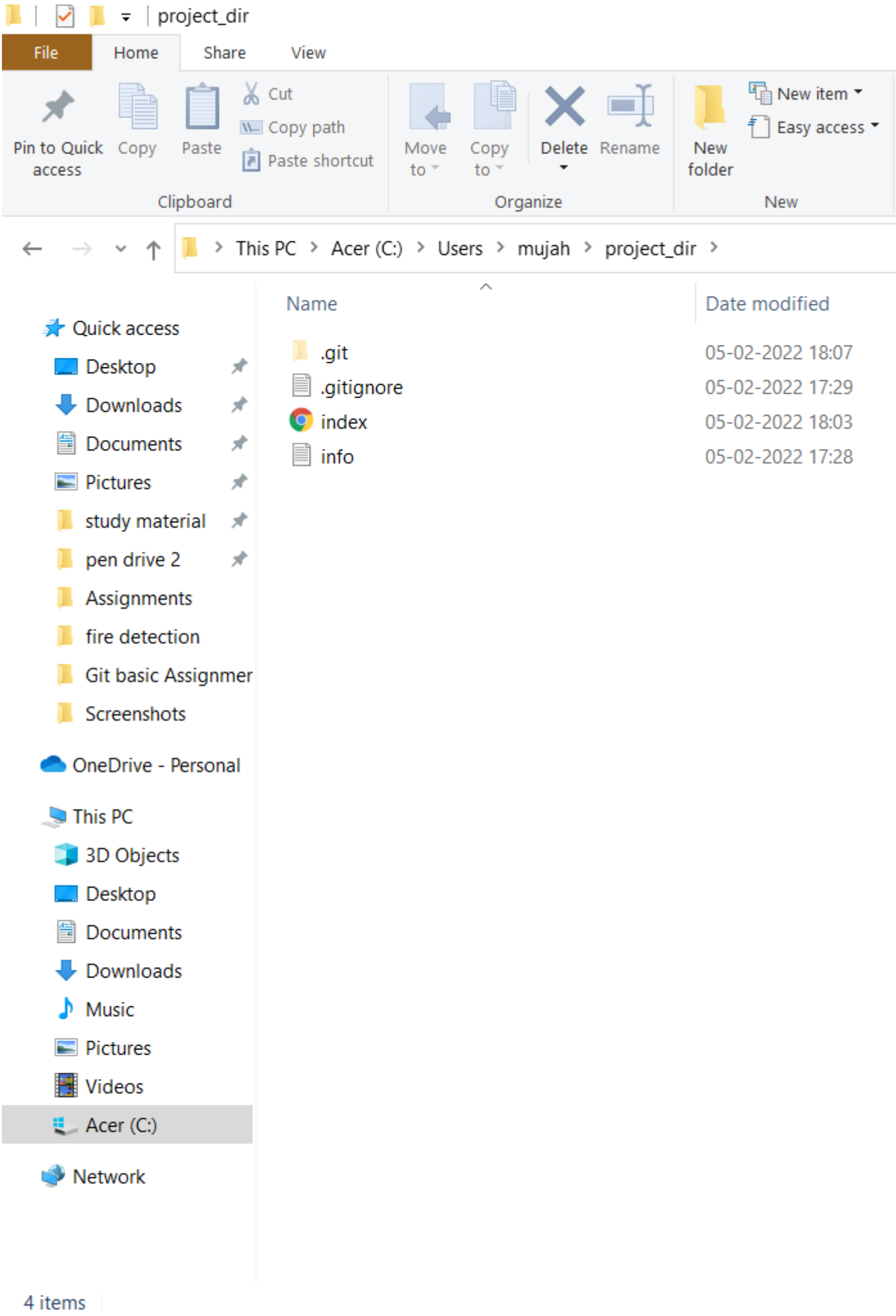
```
    committing index file

mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ vi index.html

mujah@DESKTOP-A71F3FR MINGW64 ~/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

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

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

mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ git restore index.html

mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore

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

mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ vi index.html

mujah@DESKTOP-A71F3FR MINGW64 ~/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

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

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

mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ git add index.html

mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   index.html
```

MINGW64:/c/Users/mujah/project_dir

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

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

mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ git add index.html

mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   index.html

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


mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ git reset
Unstaged changes after reset:
M       index.html

mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ alias my_add='git add'

mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ my_add index.html

mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   index.html

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


mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ git commit -m 'committing after changing add to my_add'
[master 0adba01] committing after changing add to my_add
 1 file changed, 1 insertion(+), 1 deletion(-)

mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore

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

MINGW64:/c/Users/mujah/project_dir

```
$ git reset
Unstaged changes after reset:
M       index.html

mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ alias my_add='git add'

mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ my_add index.html

mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   index.html

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


mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ git commit -m 'committing after changing add to my_add'
[master 0adba01] committing after changing add to my_add
 1 file changed, 1 insertion(+), 1 deletion(-)

mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore

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

mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$ git log
commit 0adba01d64c5a34e16bf3764a1e2c20520349309 (HEAD -> master)
Author: Mujahid Hussain Khan <mujah@DESKTOP-A71F3FR>
Date:   Sat Feb 5 18:06:50 2022 +0530

    committing after changing add to my_add

commit e526c56642877eac163121a8e79ffee16eebd618
Author: Mujahid Hussain Khan <mujah@DESKTOP-A71F3FR>
Date:   Sat Feb 5 18:00:05 2022 +0530

    committing updated index file

commit fa1bc7f15cc8855c679c0e8ab918fdcd864307da
Author: Mujahid Hussain Khan <mujah@DESKTOP-A71F3FR>
Date:   Sat Feb 5 17:27:12 2022 +0530

    committing index file

mujah@DESKTOP-A71F3FR MINGW64 ~/project_dir (master)
$
```


project_dir
File
Home
Share
View
Pin to Quick access
Copy
Paste
Cut
Copy path
Paste shortcut
Clipboard
Move to
Copy to
Delete
Rename
Organize
New folder
New item
Easy access
New
This PC
Acer (C:)
Users
mujah
project_dir
Name
Date modified
.git
05-02-2022 18:07
.gitignore
05-02-2022 17:29
index
05-02-2022 18:03
info
05-02-2022 17:28
Quick access
Desktop
Downloads
Documents
Pictures
study material
pen drive 2
Assignments
fire detection
Git basic Assignmer
Screenshots
OneDrive - Personal
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Acer (C:)
Network
4 items

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’.
23. Create a file README.txt inside ‘Assignments’ & write few lines about the contents of ‘Assignments’ folder.
24. Commit README.txt file.

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

26. Switch to ‘html-assignments’ branch.

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

28. Commit HTML assignments into ‘html-assignments’ branch.

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

30. Commit those changed files.

31. Switch to master branch.

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

33. Again switch to ‘html-assignments’ branch.

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

35. Commit those changes.

36. Switch to master.

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

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

MINGW64:/c/Users/mujah/Assignments

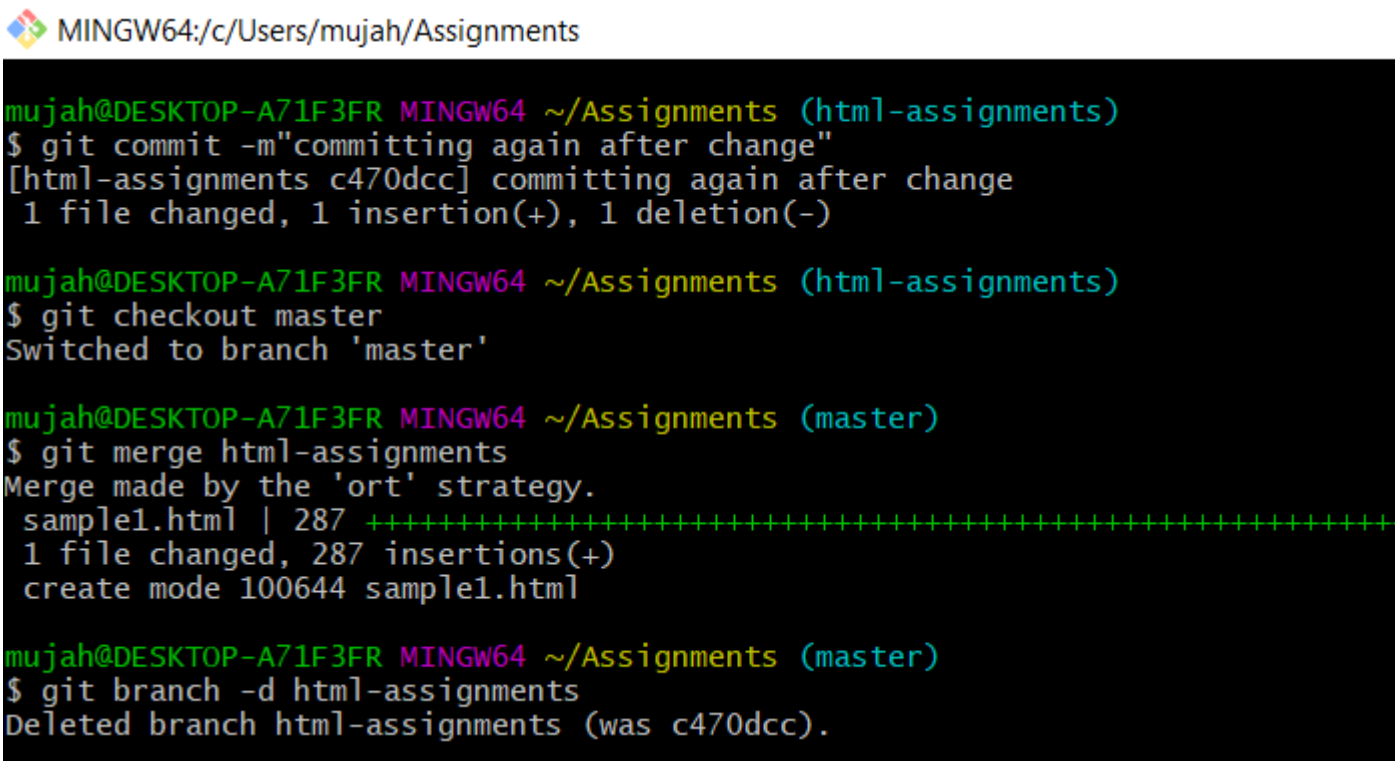
```
mujah@DESKTOP-A71F3FR MINGW64 ~
$ mkdir Assignments

mujah@DESKTOP-A71F3FR MINGW64 ~
$ cd Assignments

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments
$ git init
Initialized empty Git repository in C:/Users/mujah/Assignments/.git/

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ touch README.txt

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git add .

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   README.txt


mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git commit -m"committing README.txt"
[master (root-commit) 1ee5c3c] committing README.txt
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 README.txt

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git branch html-assignments

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        sample1.html

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

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git add sample.html
fatal: pathspec 'sample.html' did not match any files

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git add sample1.html

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
```

MINGW64:/c/Users/mujah/Assignments

```
mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   sample1.html


mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git checkout html-assignments
Switched to branch 'html-assignments'
A       sample1.html

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (html-assignments)
$ git add *.html

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (html-assignments)
$ git status
On branch html-assignments
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   sample1.html


mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (html-assignments)
$ vim sample1.html

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (html-assignments)
$ git status
On branch html-assignments
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   sample1.html

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:   sample1.html


mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (html-assignments)
$ git add sample1.html

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (html-assignments)
$ git commit -m"committing after change in html file"
[html-assignments 8d8fbbc] committing after change in html file
 1 file changed, 287 insertions(+)
 create mode 100644 sample1.html

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (html-assignments)
$ git checkout master
Switched to branch 'master'

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git status
On branch master
nothing to commit, working tree clean
```

MINGW64:/c/Users/mujah/Assignments

```
mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git status
On branch master
nothing to commit, working tree clean

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ vim README.txt

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (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:   README.txt

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

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git add README.txt
warning: LF will be replaced by CRLF in README.txt.
The file will have its original line endings in your working directory

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git commit -m"committing README file after change"
[master 49824ed] committing README file after change
 1 file changed, 1 insertion(+)

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git checkout html assignment
error: pathspec 'html' did not match any file(s) known to git
error: pathspec 'assignment' did not match any file(s) known to git

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git checkout html-assignments
Switched to branch 'html-assignments'

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (html-assignments)
$ vim sample1.html

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (html-assignments)
$ git status
On branch html-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:   sample1.html

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

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (html-assignments)
$ git add sample1.html

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (html-assignments)
$ git commit -m"committing again after change"
[html-assignments c470dcc] committing again after change
 1 file changed, 1 insertion(+), 1 deletion(-)
```



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

1. Create a new branch ‘css-assignments’.
2. Switch to ‘css-assignments’ branch.

3. Copy all CSS assignments inside ‘Assignments’ folder.

4. Commit CSS assignments into ‘css-assignments’ branch.

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

6. Commit those changed files.

7. Switch to master branch.

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

9. Again switch to ‘css-assignments’ branch.

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

11. Commit those changes.

12. Switch to master.

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

14. Finally delete the ‘css-assignments’ branch.

MINGW64:/c/Users/mujah/Assignments

```
$ git branch -d html-assignments
Deleted branch html-assignments (was c470dcc).

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git branch css-assignments

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git checkout css-assignments
Switched to branch 'css-assignments'

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ git status
On branch css-assignments
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        sample1.css.css

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

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ git add sample1.css
fatal: pathspec 'sample1.css' did not match any files

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ git add sample1.css
fatal: pathspec 'sample1.css' did not match any files

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ git add sample1.css
fatal: pathspec 'sample1.css' did not match any files

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ git status
On branch css-assignments
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        sample1.css.css

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

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ git add sample1.css
fatal: pathspec 'sample1.css' did not match any files

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ git add sample1.css
fatal: pathspec 'sample1.css' did not match any files

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ git add sample1.css.css
warning: LF will be replaced by CRLF in sample1.css.css.
The file will have its original line endings in your working directory

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ git commit -m"committing css file"
[css-assignments b683c04] committing css file
 1 file changed, 7 insertions(+)
 create mode 100644 sample1.css.css
```

MINGW64:/c/Users/mujah/Assignments

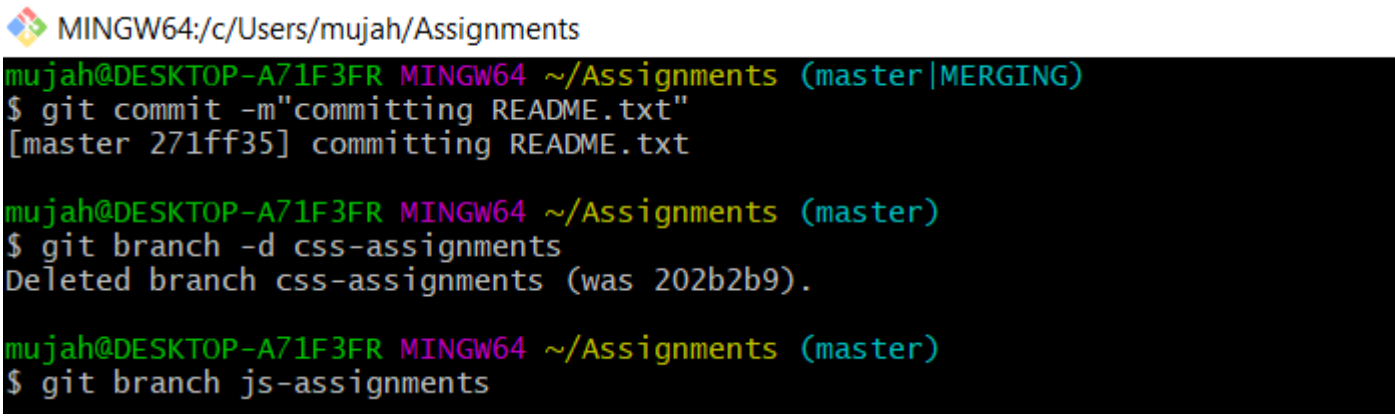
```
mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ git commit -m"committing css file"
[css-assignments b683c04] committing css file
 1 file changed, 7 insertions(+)
 create mode 100644 sample1.css.css

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ vim sample1.css.css

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ vim README.txt

mujah@DESKTOP-A71F3FR MINGW64 ~/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:   README.txt
        modified:   sample1.css.css

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

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ git add README.txt

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ git commit -m"committing.README.txt"
[css-assignments b58be53] committing.README.txt
 1 file changed, 1 insertion(+), 1 deletion(-)

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ git checkout mater
error: pathspec 'mater' did not match any file(s) known to git

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ git checkout master
error: Your local changes to the following files would be overwritten by chec
        sample1.css.css
Please commit your changes or stash them before you switch branches.
Aborting

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ git commit -m"committing README.txt"
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:   sample1.css.css

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

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ git checkout master
error: Your local changes to the following files would be overwritten by chec
        sample1.css.css
Please commit your changes or stash them before you switch branches.
Aborting
```

MINGW64:/c/Users/mujah/Assignments

```
mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ vim README.txt

mujah@DESKTOP-A71F3FR MINGW64 ~/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:   README.txt
        modified:   sample1.css.css

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

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ git commit -m"committing README.txt"
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:   README.txt
        modified:   sample1.css.css

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

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ git checkout master
error: Your local changes to the following files would be overwritten by chec
        README.txt
        sample1.css.css
Please commit your changes or stash them before you switch branches.
Aborting

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ git checkout css-assignments
Already on 'css-assignments'
M       README.txt
M       sample1.css.css

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ git add README.txt sample1.css.css
warning: LF will be replaced by CRLF in sample1.css.css.
The file will have its original line endings in your working directory

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ git commit -m"committing both files"
[css-assignments 867711f] committing both files
 2 files changed, 2 insertions(+), 2 deletions(-)

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ checkout master
bash: checkout: command not found

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ git checkout master
Switched to branch 'master'

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
```

MINGW64:/c/Users/mujah/Assignments

```
mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git add README.txt

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git status
On branch master
nothing to commit, working tree clean

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ vim README.txt

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (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:   README.txt

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

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git add .

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git commit -m"committing README.txt file"
[master 88f5f06] committing README.txt file
 1 file changed, 1 insertion(+), 1 deletion(-)

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git checkout css-assignments
Switched to branch 'css-assignments'

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ vim sample1.css.css

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ git add sample1.css.css

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ git commit -m"committing css file"
[css-assignments 202b2b9] committing css file
 1 file changed, 1 insertion(+), 1 deletion(-)

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (css-assignments)
$ git checkout master
Switched to branch 'master'

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git merge css-assignments
Auto-merging README.txt
CONFLICT (content): Merge conflict in README.txt
Automatic merge failed; fix conflicts and then commit the result.

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master|MERGING)
$ git add .

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master|MERGING)
```



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

1. Create a new branch ‘js-assignments’.
2. Switch to ‘js-assignments’ branch.
3. Copy all JavaScript assignments inside ‘Assignments’ folder.
4. Commit JavaScript assignments into ‘js-assignments’ branch.

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

6. Commit those changed files.

7. Switch to master branch.

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

9. Again switch to ‘js-assignments’ branch.

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

11. Commit those changes.

12. Switch to master.

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

14. Finally delete the ‘js-assignments’ branch.

MINGW64:/c/Users/mujah/Assignments

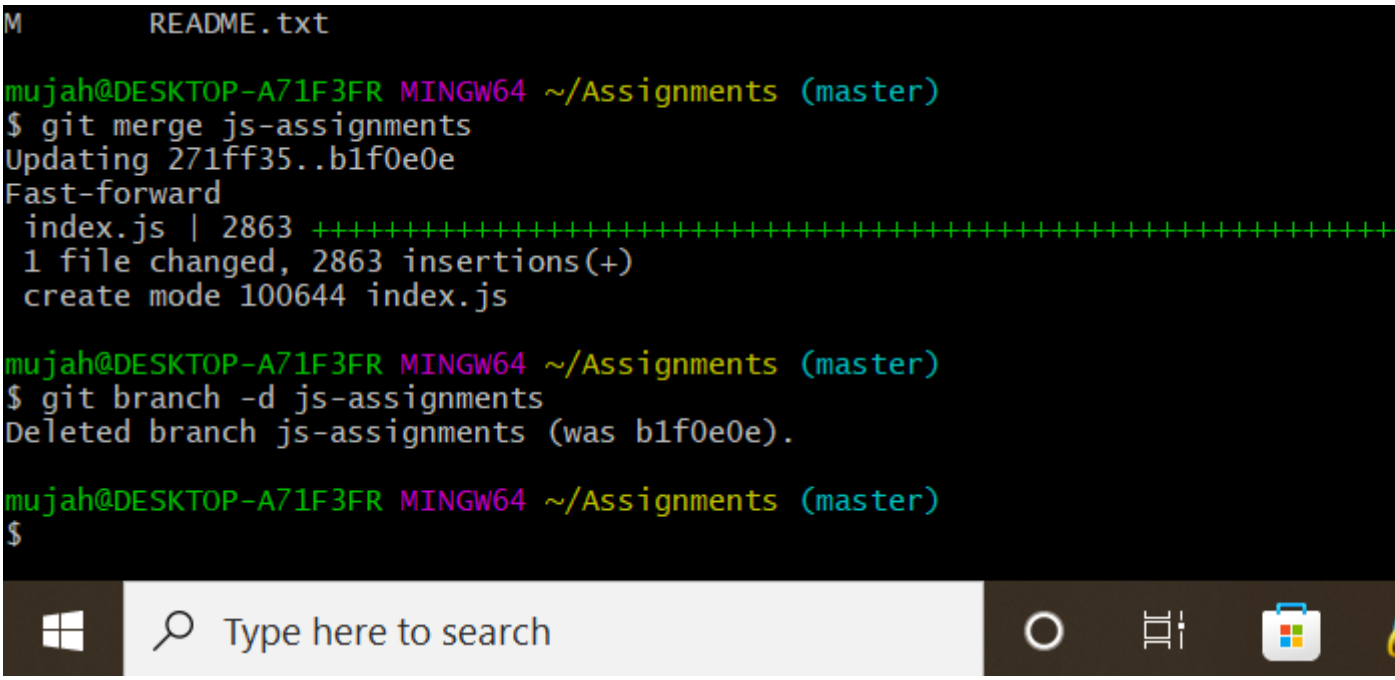
```
mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git branch -d css-assignments
Deleted branch css-assignments (was 202b2b9).

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git branch js-assignments

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git checkout js-assignments
Switched to branch 'js-assignments'

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (js-assignments)
$ git status
On branch js-assignments
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        index.js

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

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (js-assignments)
$ git add index.js

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (js-assignments)
$ git commit -m"committing js file"
[js-assignments 5bf2576] committing js file
 1 file changed, 2863 insertions(+)
 create mode 100644 index.js

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (js-assignments)
$ git add README.txt

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (js-assignments)
$ git commit -m"committing README.txt file"
On branch js-assignments
nothing to commit, working tree clean

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (js-assignments)
$ vim index

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (js-assignments)
$ git status
On branch js-assignments
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        index

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

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (js-assignments)
$ git commit -m"committing js file"
On branch js-assignments
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        index

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

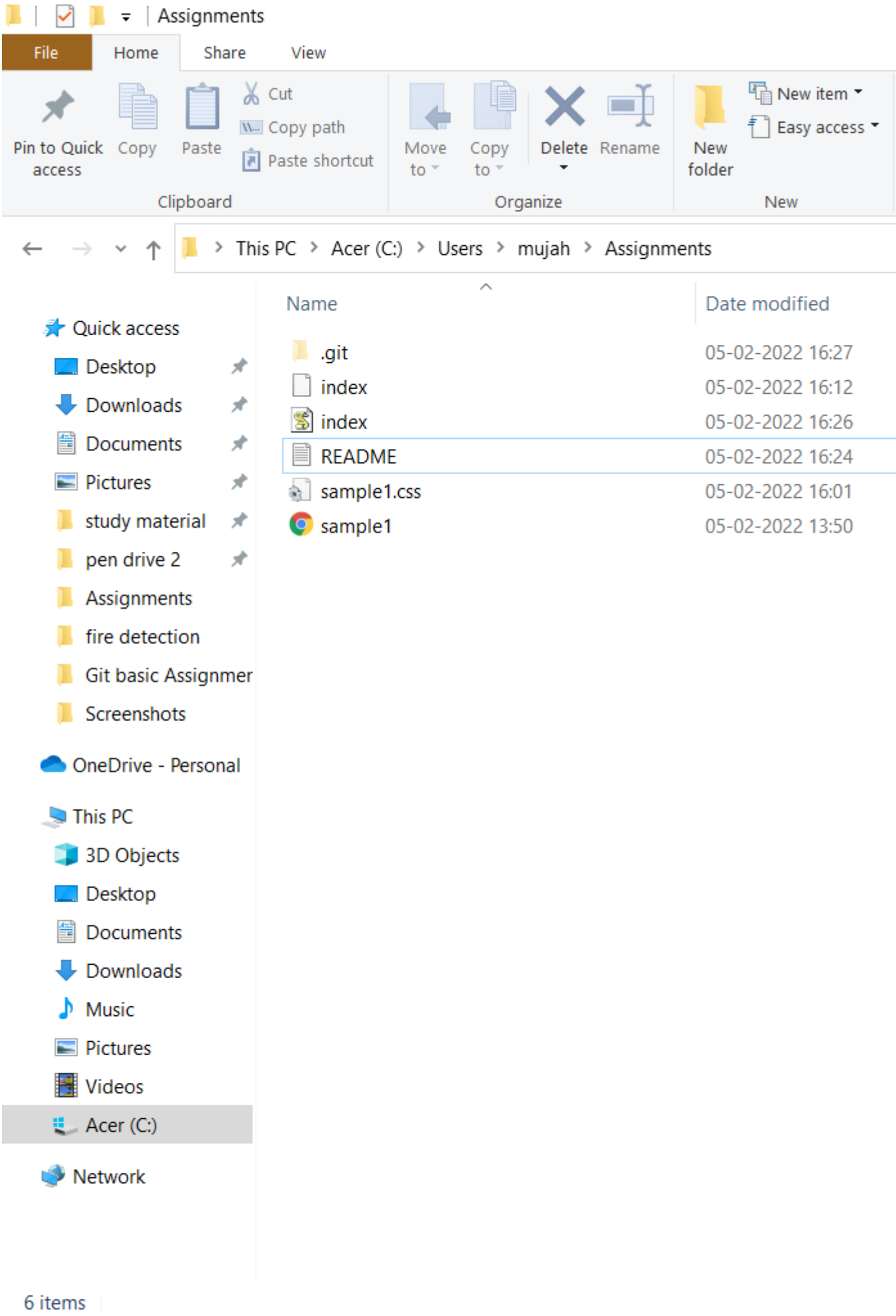
MINGW64:/c/Users/mujah/Assignments

```
mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (js-assignments)
$ vim index.js

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (js-assignments)
$ git add index.js

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (js-assignments)
$ git status
On branch js-assignments
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   index.js

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


mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (js-assignments)
$ git add index.js

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (js-assignments)
$ git commit -m"committing a js file"
[js-assignments b1f0e0e] committing a js file
 1 file changed, 2 insertions(+), 2 deletions(-)

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (js-assignments)
$ git add README.txt

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (js-assignments)
$ git commit -m"committing README.txt file"
On branch js-assignments
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        index

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

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (js-assignments)
$ git checkout master
Switched to branch 'master'

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git add README.txt

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git commit -m"committing readme file of master branch"
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        index

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

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git checkout js-assignments
Switched to branch 'js-assignments'
```

MINGW64:/c/Users/mujah/Assignments

```
mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (js-assignments)
$ git add README.txt

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (js-assignments)
$ git commit -m"committing readme file of master branch"
On branch js-assignments
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        index

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

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (js-assignments)
$ git commit -m"commit change"
On branch js-assignments
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        index

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

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (js-assignments)
$ vim README.txt

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (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 directory)
        modified:   README.txt

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

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

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (js-assignments)
$ git commit -m"committing minor changes in js file"
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 directory)
        modified:   README.txt

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

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

mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (js-assignments)
$ git checkout master
Switched to branch 'master'
M       README.txt
```


M README.txt
mujah@DESKTOP-A71F3FR MINGW64 ~/Assignments (master)
$ git merge js-assignments
Updating 271ff35..b1f0e0e
Fast-forward
index.js | 2863 ++++++


Assignments
File
Home
Share
View
Pin to Quick access
Copy
Paste
Cut
Copy path
Paste shortcut
Clipboard
Move to
Copy to
Delete
Rename
Organize
New folder
New item
Easy access
New
This PC
Acer (C:)
Users
mujah
Assignments
Name
Date modified
.git
05-02-2022 16:27
index
05-02-2022 16:12
index
05-02-2022 16:26
README
05-02-2022 16:24
sample1.css
05-02-2022 16:01
sample1
05-02-2022 13:50
Quick access
Desktop
Downloads
Documents
Pictures
study material
pen drive 2
Assignments
fire detection
Git basic Assignmer
Screenshots
OneDrive - Personal
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Acer (C:)
Network
6 items