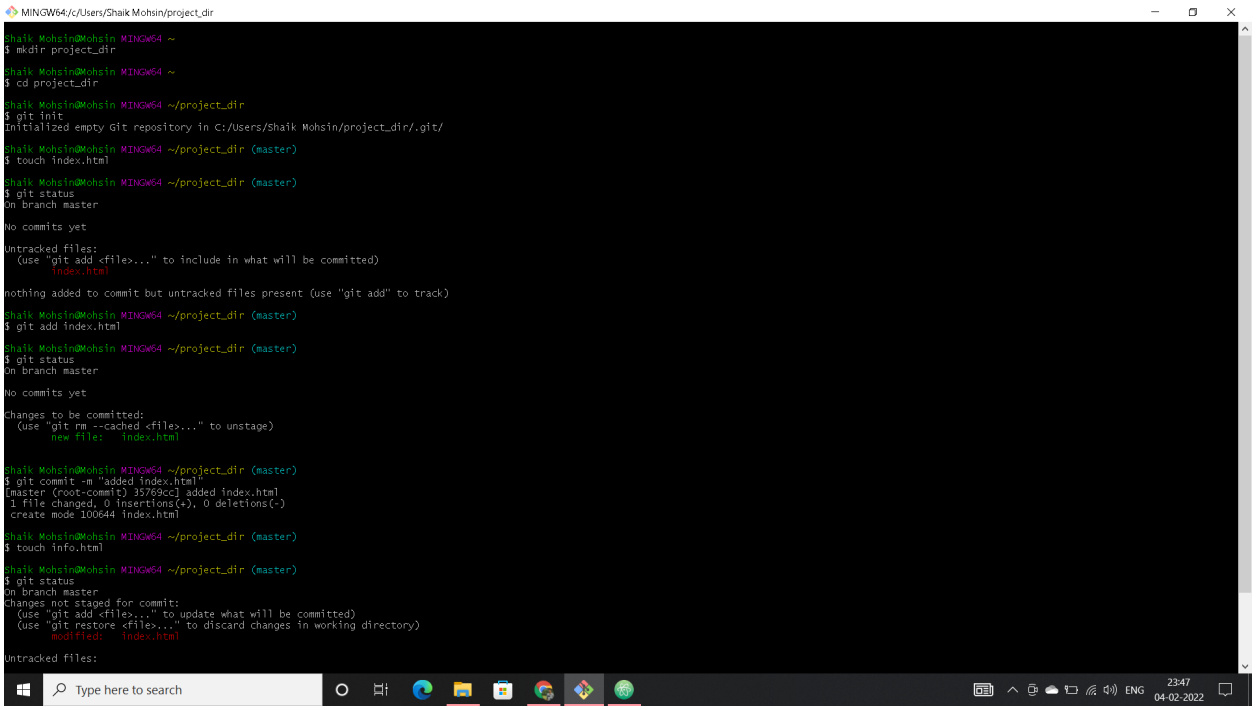
Git and Github assignment

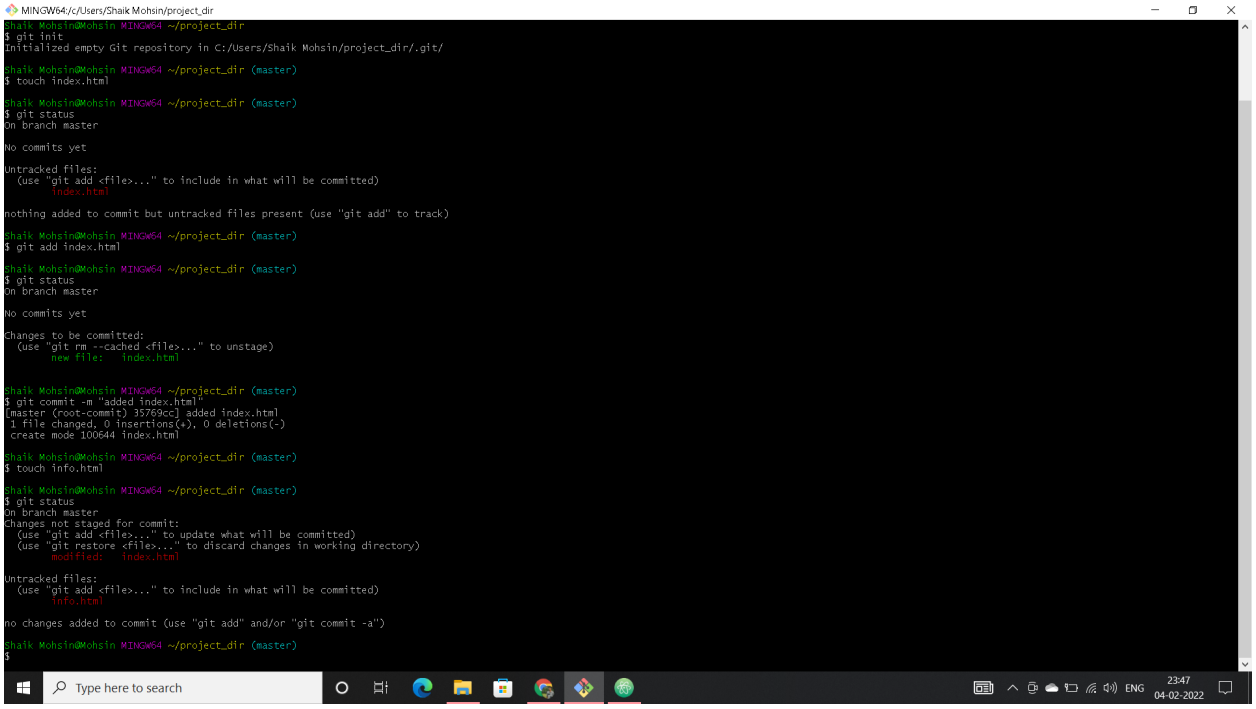
SHAIK MOHSIN S

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



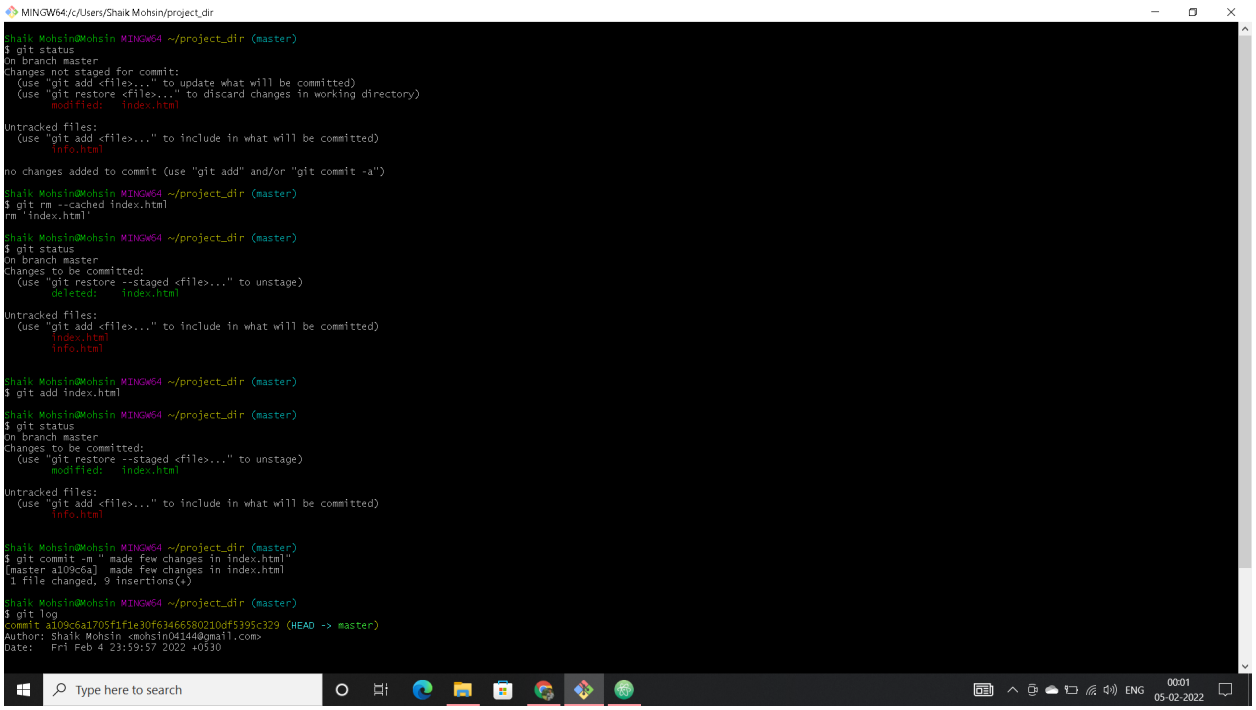
10. Again check the git status. You should find only index.html as untracked file.

11. State & commit index.html



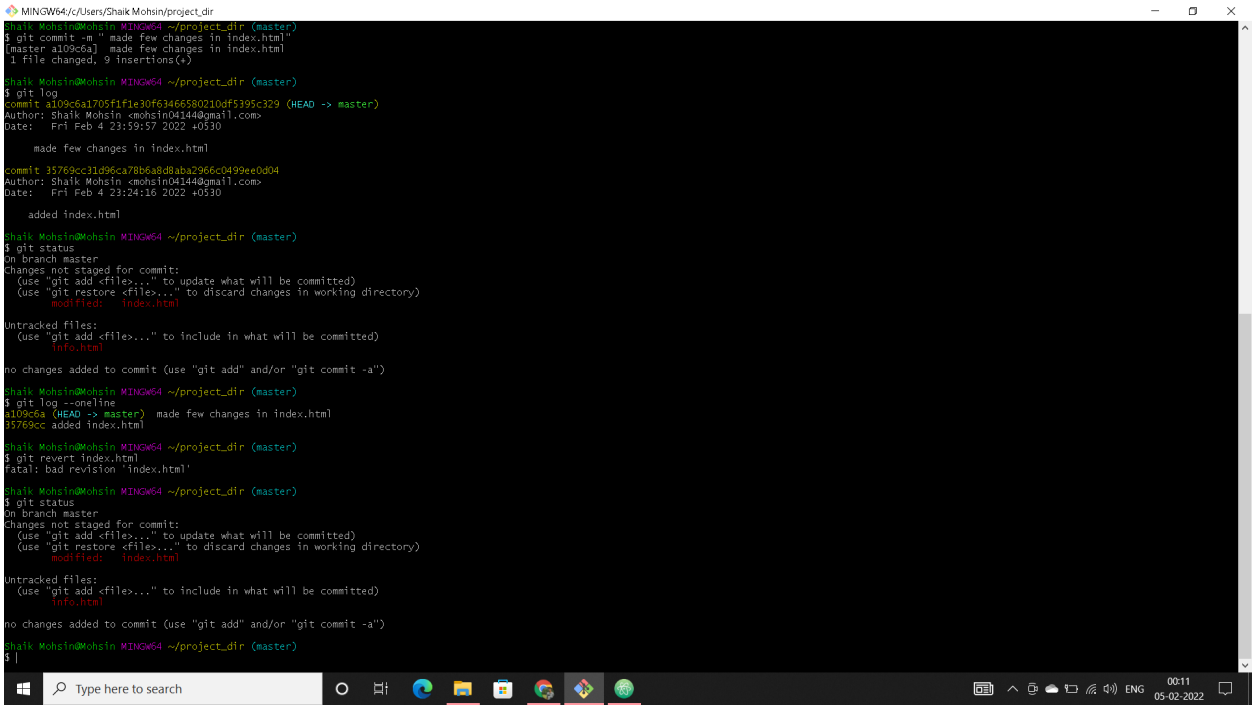
12. Log all your comments so far.

13. Make some changes in index.html.

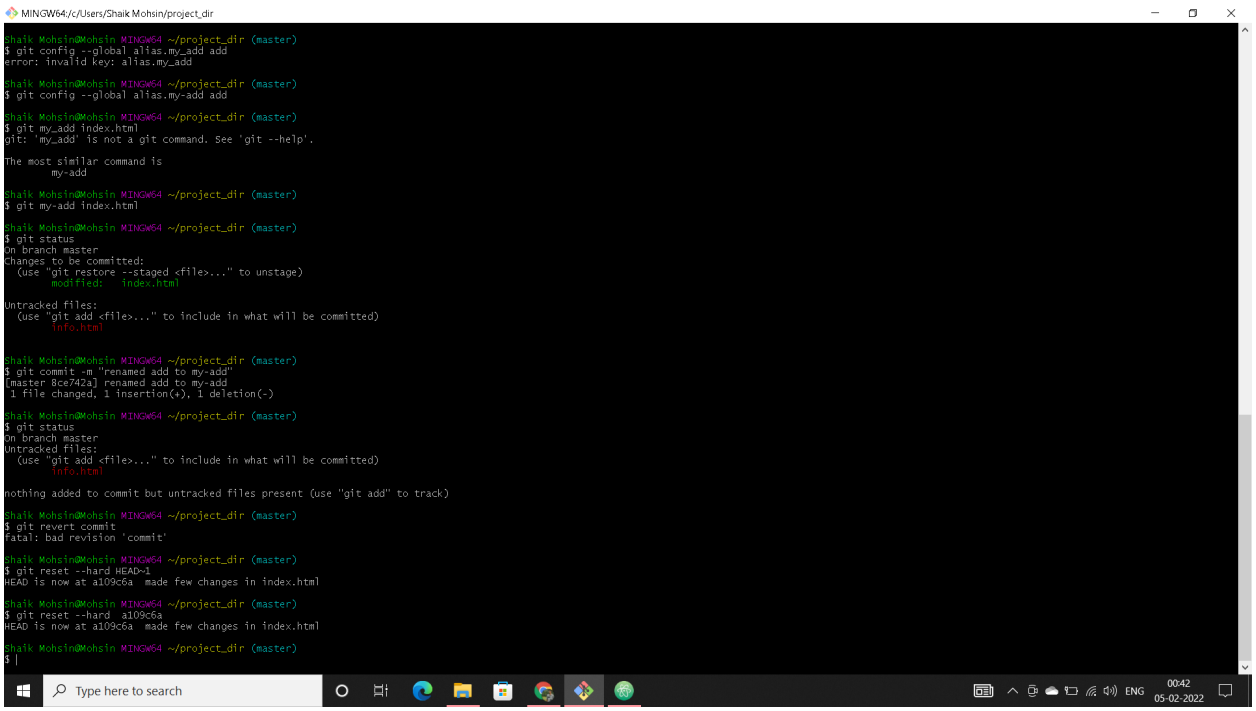


14. Revert the change made in the previous step using git command.

15. Again change index.html. 16. Stage index.html
17. Revert back the last stage



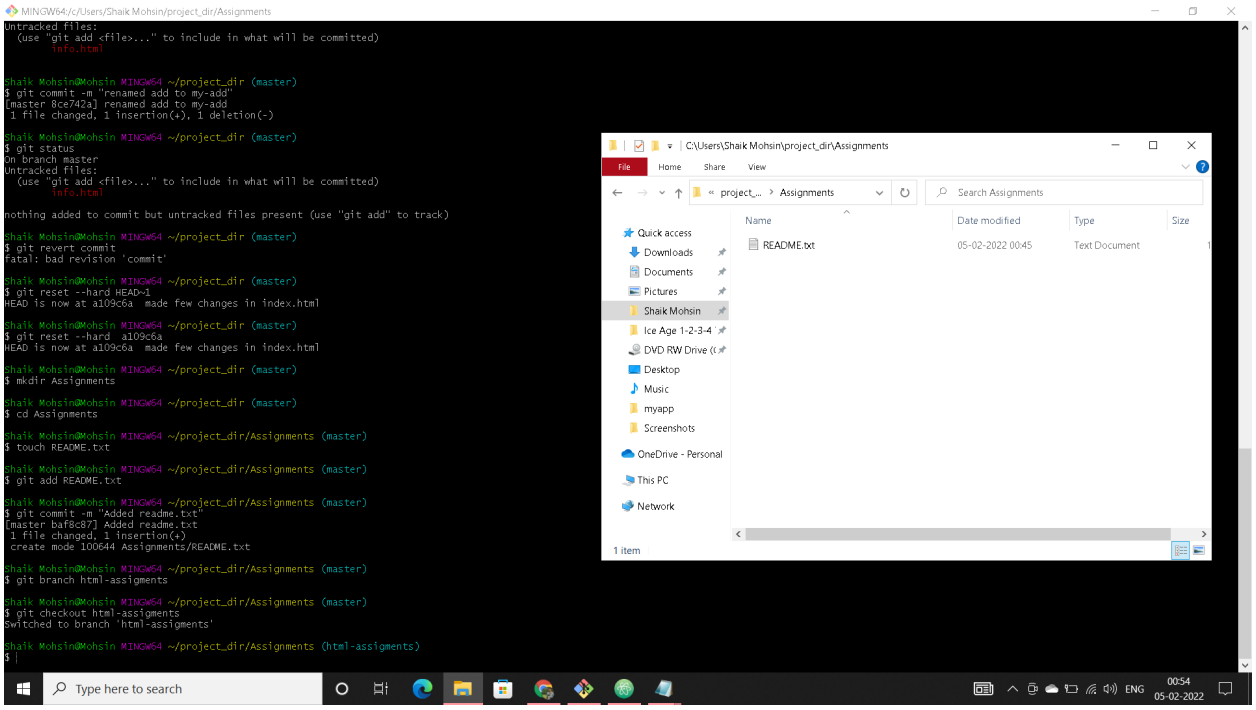
18. Rename ‘add’ command to ‘my-add’.
19. Using my_add command Stage index.html again & commit the changes.
20. Revert the last commit.



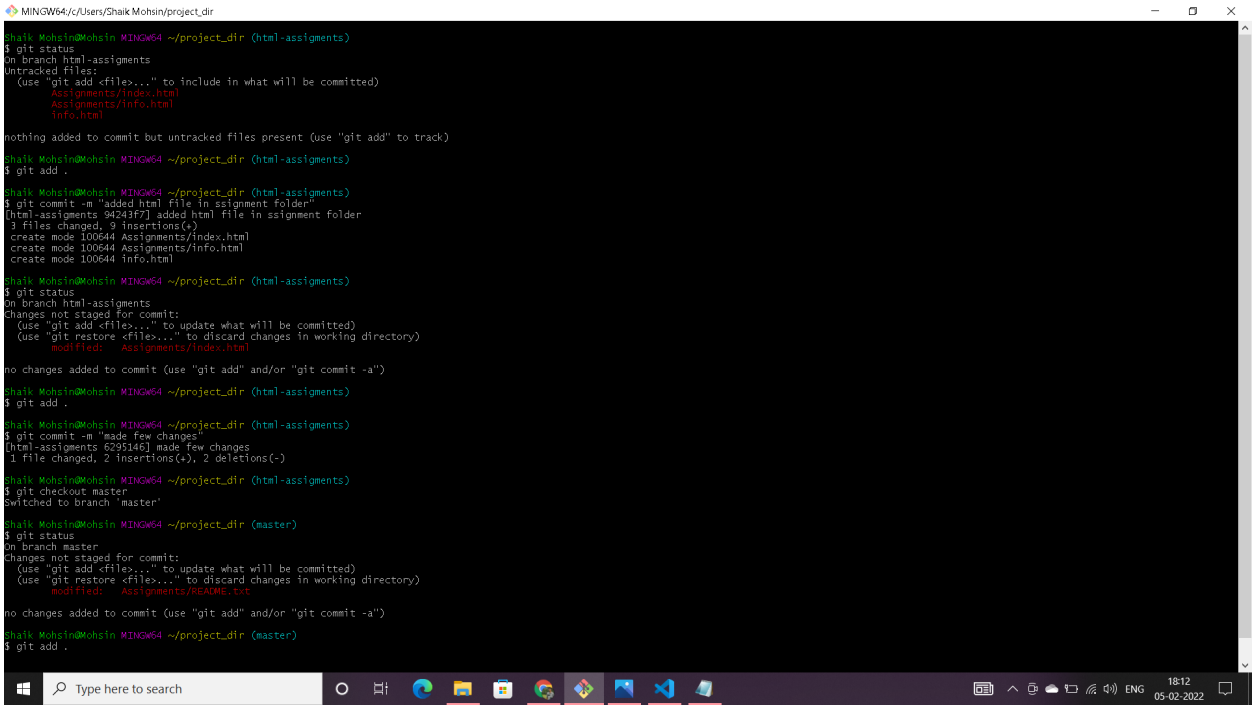
GIT Branching

SECTION-1 (HTML assignments)

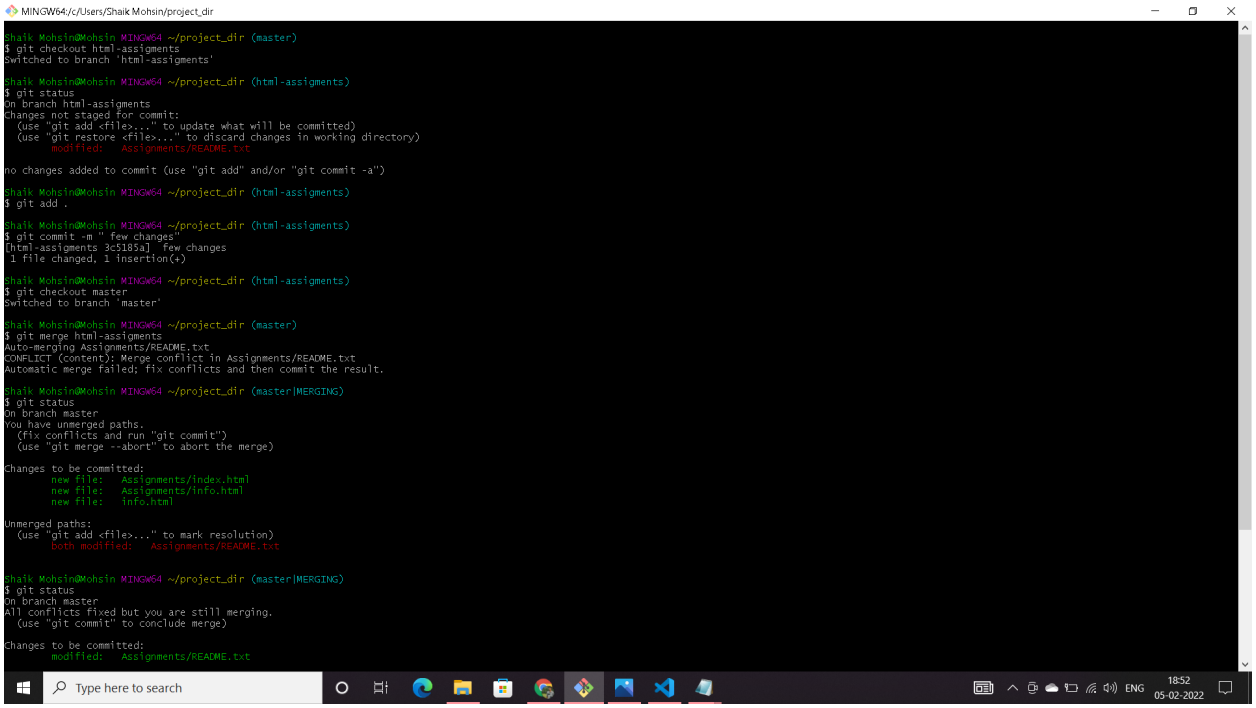
21. First take a backup of your assignments & projects. This is required because due to incorrect GIT operation you may lose your files.
22. Create an empty directory ‘Assignments’ & cd to ‘Assignments’.
23. Create a file README.txt inside ‘Assignments’ & write few lines about the contents of ‘Assignments’ folder.
24. Commit README.txt file.
25. Now create a new branch ‘html-assignments’.
26. Switch to ‘html-assignments’ branch.



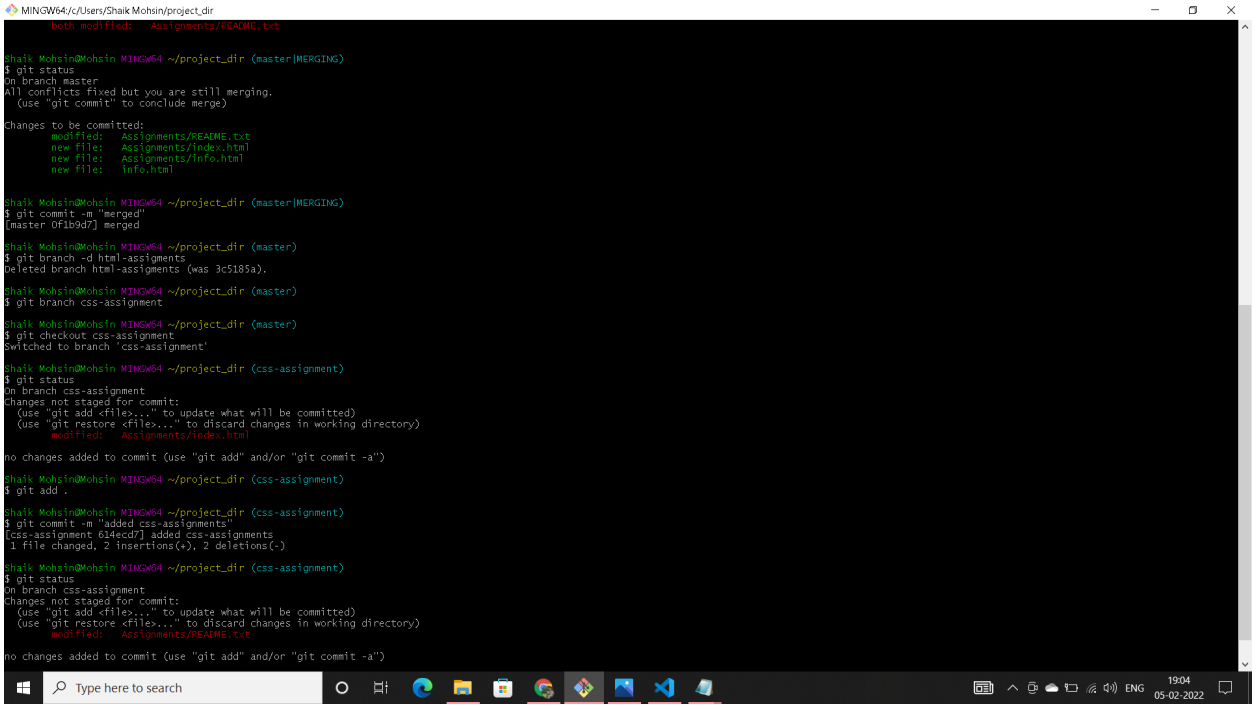
27. Copy all HTML assignments inside ‘Assignments’ folder.
28. Commit HTML assignments into ‘html-assignments’ branch.
29. Make minor changes into few files belonging to ‘html-assignments’ branch.
30. Commit those changed files.
31. Switch to master branch.
32. Make minor changes into README.txt file & 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.

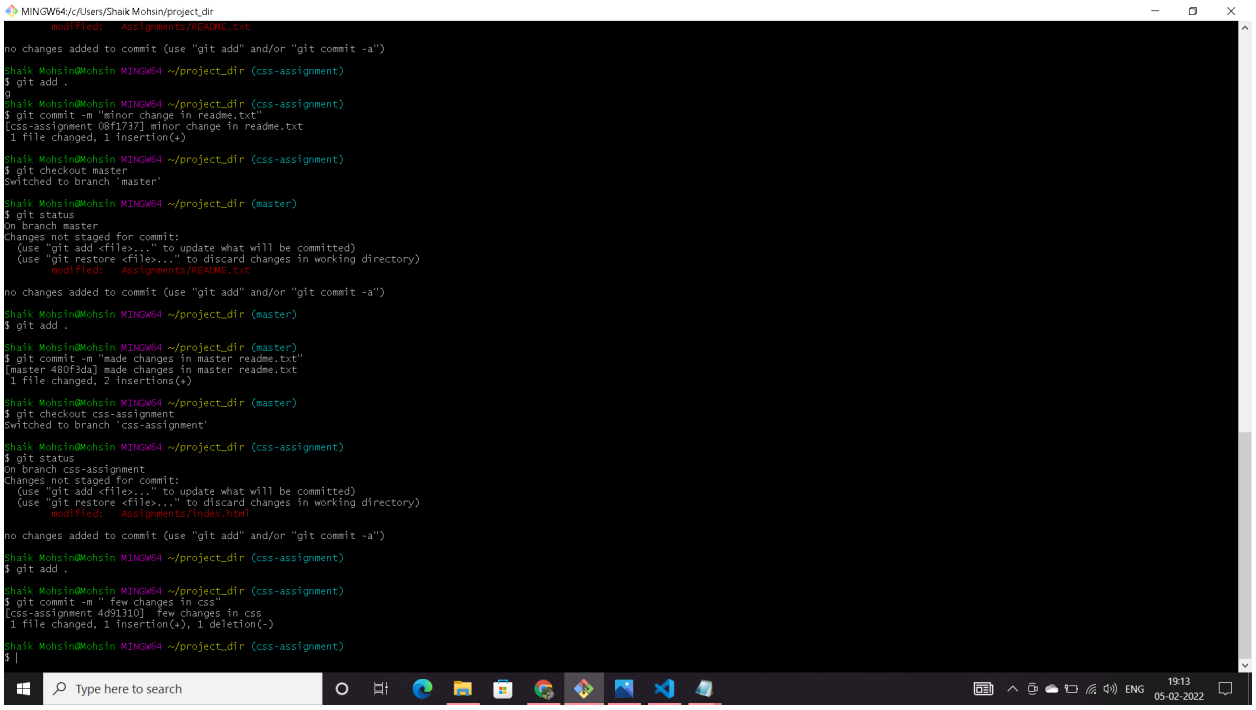


SECTION-2 - (CSS assignments)

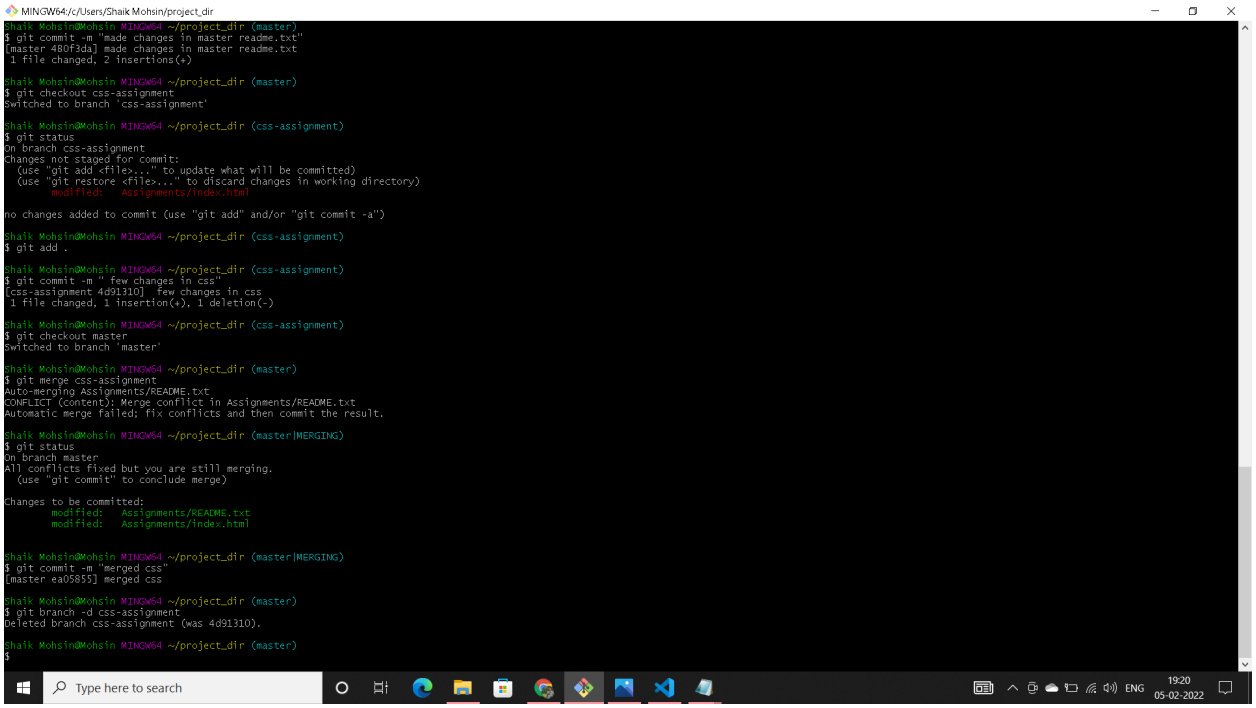


1. Create a new branch ‘css-assignments’.
2. Switch to ‘css-assignments’ branch.
3. Copy all CSS assignments inside ‘Assignments’ folder.

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

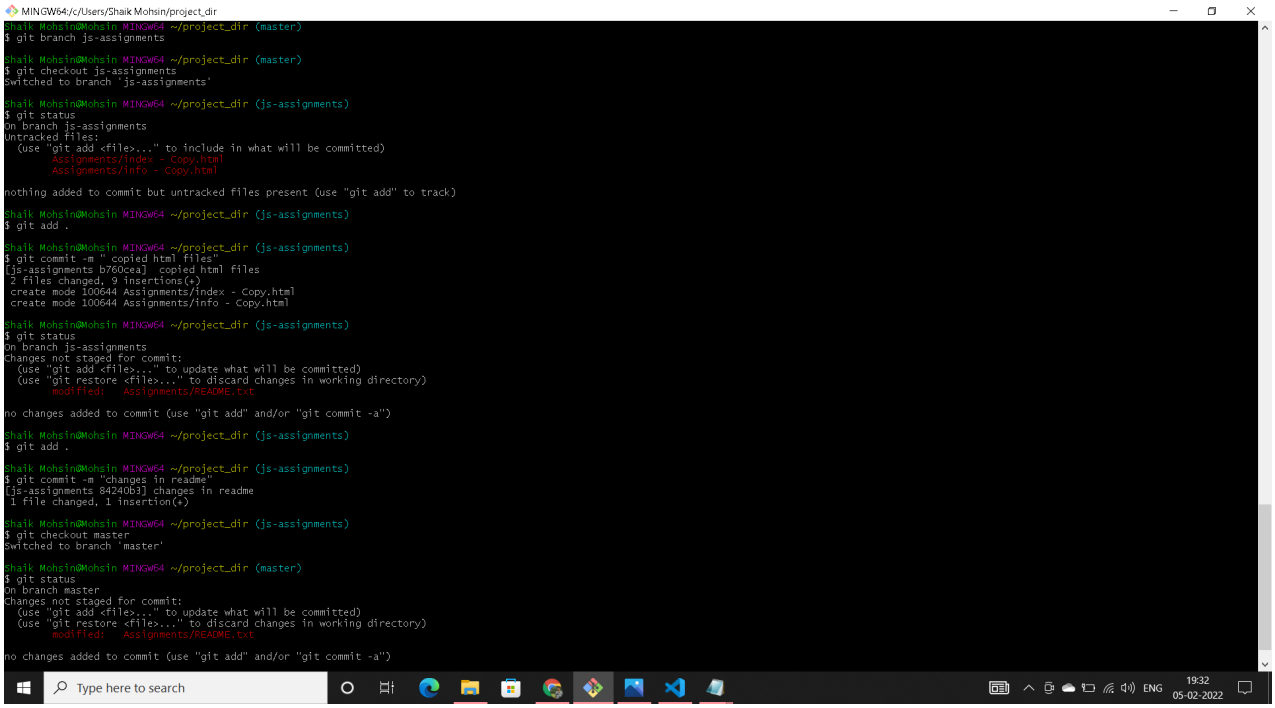


9. Again switch to ‘css-assignments’ branch.
10. Make minor changes into few files belonging to ‘css-assignments’ branch.
11. Commit those changes.
12. Switch to master.
13. Merge ‘css-assignments’ branch into master. Confirm all css assignments are shown in master.
14. Finally delete the ‘css-assignments’ branch.

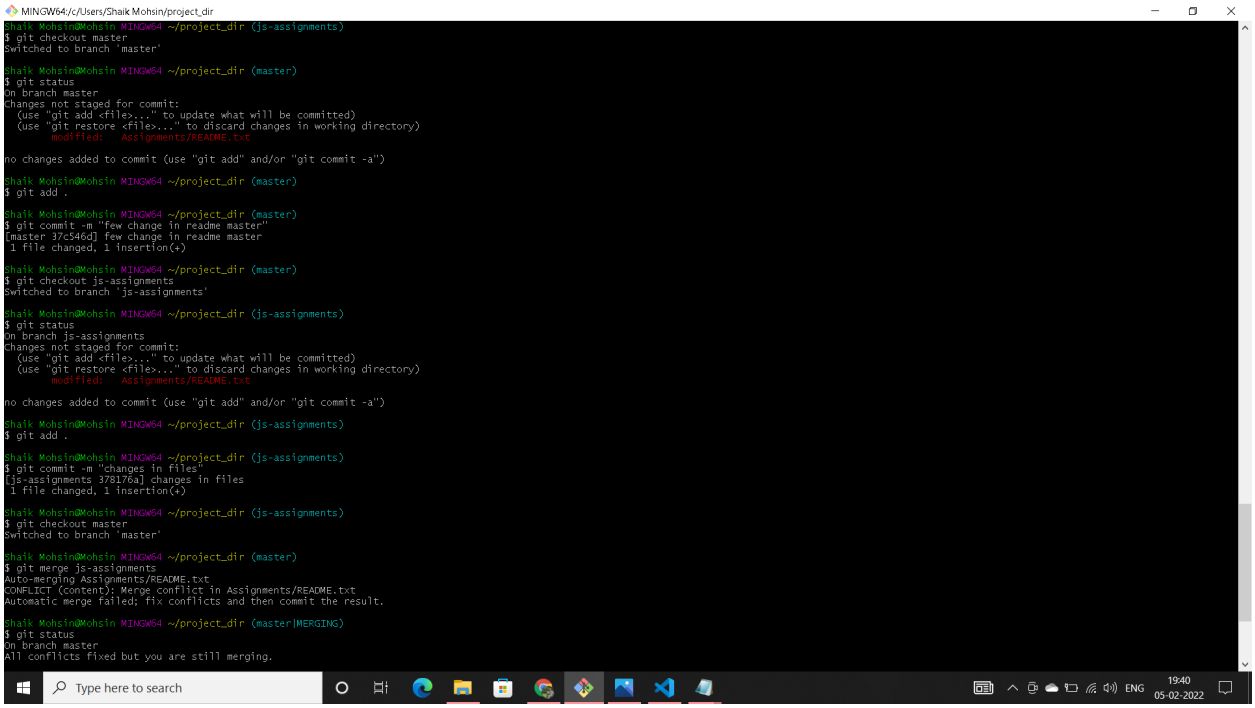


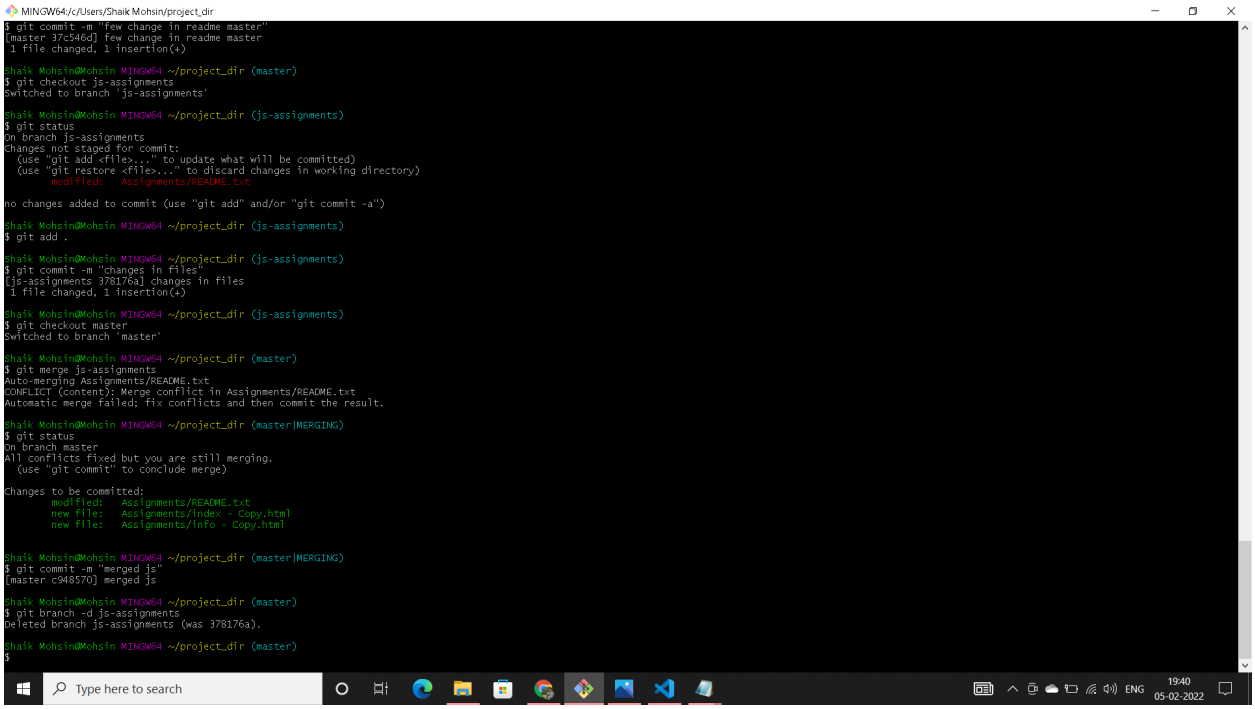
SECTION-3 - (JavaScript assignments)

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/Shaik Mohsin/project_dir
Shaik Mohsin@Mohsin MINGW64 ~/project_dir (js-assignments)
$ git checkout master
Switched to branch 'master'
Shaik Mohsin@Mohsin 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: Assignments/README.txt
no changes added to commit (use "git add" and/or "git commit -a")
Shaik Mohsin@Mohsin MINGW64 ~/project_dir (master)
$ git add .
Shaik Mohsin@Mohsin MINGW64 ~/project_dir (master)
$ git commit -m "few change in readme master"
[master 37c546d] few change in readme master
1 file changed, 1 insertion(+)
Shaik Mohsin@Mohsin MINGW64 ~/project_dir (master)
$ git checkout js-assignments
Switched to branch 'js-assignments'
Shaik Mohsin@Mohsin MINGW64 ~/project_dir (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: Assignments/README.txt
no changes added to commit (use "git add" and/or "git commit -a")
Shaik Mohsin@Mohsin MINGW64 ~/project_dir (js-assignments)
$ git add .
Shaik Mohsin@Mohsin MINGW64 ~/project_dir (js-assignments)
$ git commit -m "changes in files"
[js-assignments 378176a] changes in files
1 file changed, 1 insertion(+)
Shaik Mohsin@Mohsin MINGW64 ~/project_dir (js-assignments)
$ git checkout master
Switched to branch 'master'
Shaik Mohsin@Mohsin MINGW64 ~/project_dir (master)
$ git merge js-assignments
Auto-merging Assignments/README.txt
CONFLICT (content): Merge conflict in Assignments/README.txt
Automatic merge failed; fix conflicts and then commit the result.
Shaik Mohsin@Mohsin MINGW64 ~/project_dir (master|MERGING)
$ git status
On branch master
All conflicts fixed but you are still merging.
Type here to search
ENG
19:40
05-02-2022


MINGW64:/c/Users/Shaik Mohsin/project_dir
$ git commit -m "few change in readme master"
[master 37c546d] few change in readme master
1 file changed, 1 insertion(+)
Shaik Mohsin@Mohsin MINGW64 ~/project_dir (master)
$ git checkout js-assignments
Switched to branch 'js-assignments'
Shaik Mohsin@Mohsin MINGW64 ~/project_dir (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: Assignments/README.txt
no changes added to commit (use "git add" and/or "git commit -a")
Shaik Mohsin@Mohsin MINGW64 ~/project_dir (js-assignments)
$ git add .
Shaik Mohsin@Mohsin MINGW64 ~/project_dir (js-assignments)
$ git commit -m "changes in files"
[js-assignments 378176a] changes in files
1 file changed, 1 insertion(+)
Shaik Mohsin@Mohsin MINGW64 ~/project_dir (js-assignments)
$ git checkout master
Switched to branch 'master'
Shaik Mohsin@Mohsin MINGW64 ~/project_dir (master)
$ git merge js-assignments
Auto-merging Assignments/README.txt
CONFLICT (content): Merge conflict in Assignments/README.txt
Automatic merge failed; fix conflicts and then commit the result.
Shaik Mohsin@Mohsin MINGW64 ~/project_dir (master|MERGING)
$ git status
On branch master
All conflicts fixed but you are still merging.
(use "git commit" to conclude merge)
Changes to be committed:
modified: Assignments/README.txt
new file: Assignments/index - Copy.html
new file: Assignments/info - Copy.html
Shaik Mohsin@Mohsin MINGW64 ~/project_dir (master|MERGING)
$ git commit -m "merged js"
[master c948570] merged js
Shaik Mohsin@Mohsin MINGW64 ~/project_dir (master)
$ git branch -d js-assignments
Deleted branch js-assignments (was 378176a).
Shaik Mohsin@Mohsin MINGW64 ~/project_dir (master)
$
Type here to search
ENG
19:40
05-02-2022