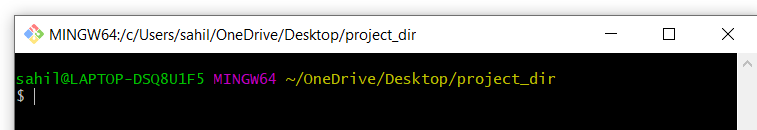
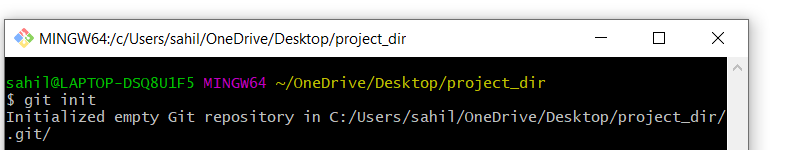
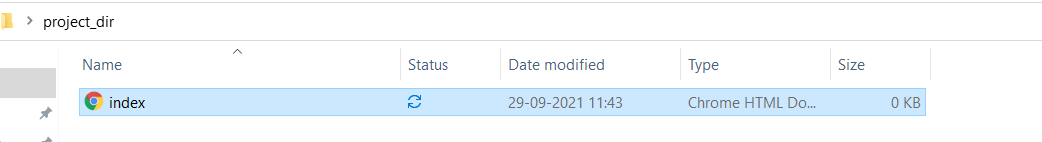
1)Create a directory ‘project\_dir’ & cd to ‘project\_dir’. 

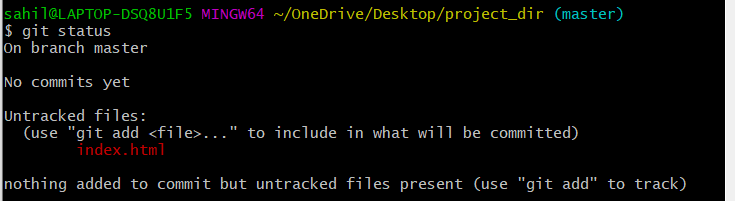
2) Initialize git version database. (git init)



3) Create a new file index.html.



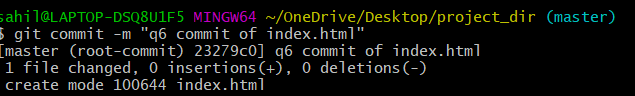
4) Check the git status. You should find index.html as untracked file.



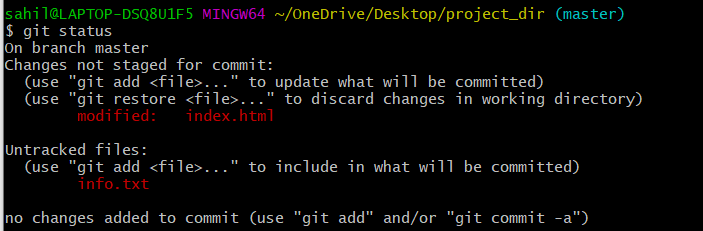
5) Stage the index.html file.

Sol : git add -A

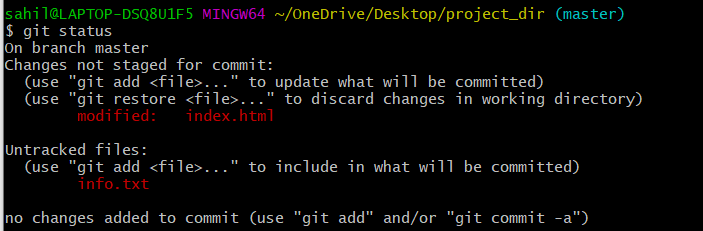
6) Stage the index.html file.



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.



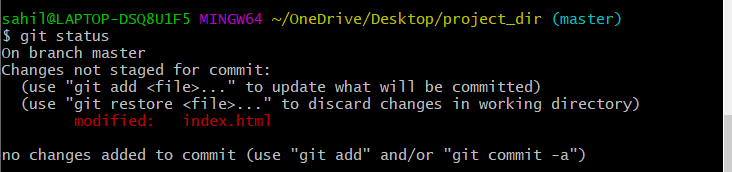
9) Configure GIT to ignore all txt files.

Sol: STEP1: touch .gitignore

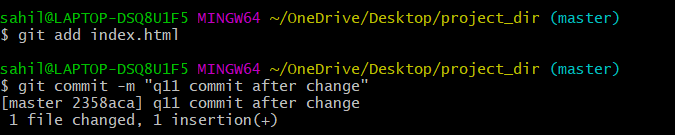
STEP2: notepad .ignore

STEP3: notepad will open after the second step and in notepad we write

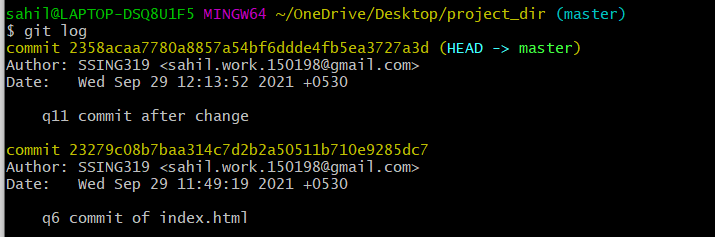
\*.txt \*.gitignore and we’ll save the file. This will tell the git to ignore all the text and gitignore files in the directory

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

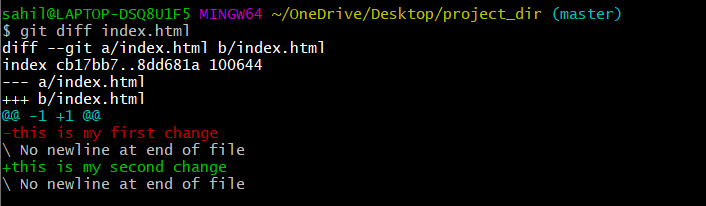
11) State & commit index.html



12) Log all your comments so far.



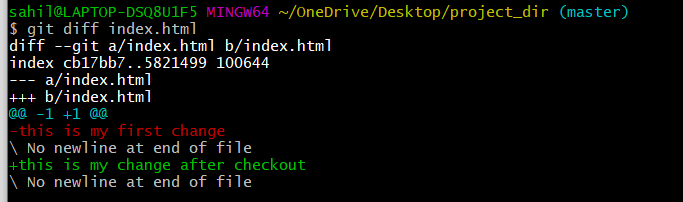
13)Make some changes in index.html.



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



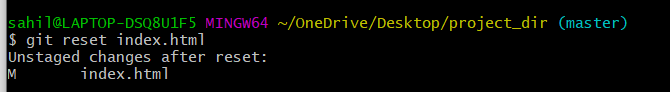
15) Again change index.html.



16) Stage index.html

SOL: git add index.html

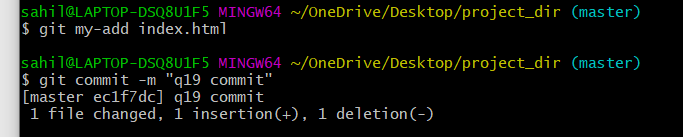
17) Revert back the last stage



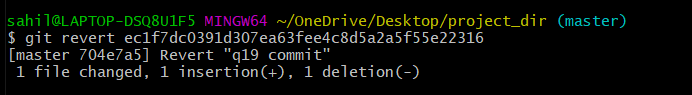
18) Rename ‘add’ command to ‘my-add’.

SOL: git config --global alias.my-add add

19) Using my\_add command Stage index.html again & commit the changes.



20) Revert the last commit.



*GIT Branching*

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

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

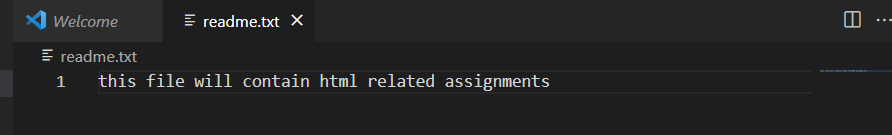
21)First take a backup of your assignments & projects. This is required because due to incorrect GIT operation you may lose your files.

SOL: DONE

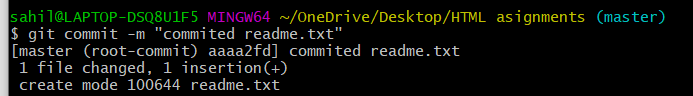
22)Create an empty directory ‘Assignments’ & cd to ‘Assignments’.



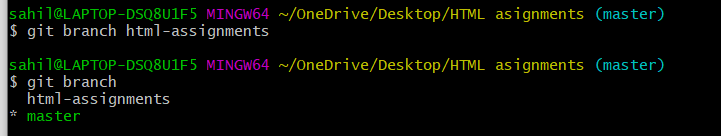
23)Create a file README.txt inside ‘Assignments’ & write few lines about the contents of ‘Assignments’ folder.



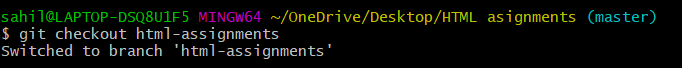
24)Commit README.txt file.



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



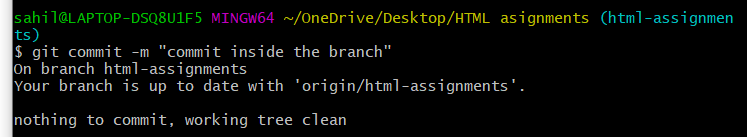
26)Switch to ‘html-assignments’ branch.



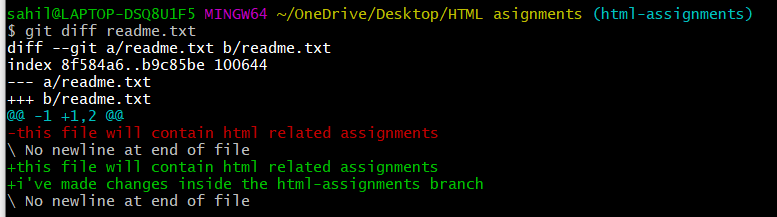
27)Copy all HTML assignments inside ‘Assignments’ folder.

SOL: DONE

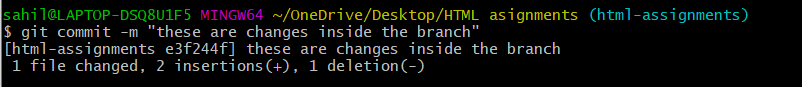
28)Commit HTML assignments into ‘html-assignments’ branch.



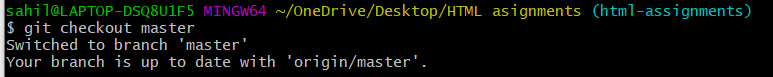
29)Make minor changes into few files belonging to ‘html-assignments’ branch.



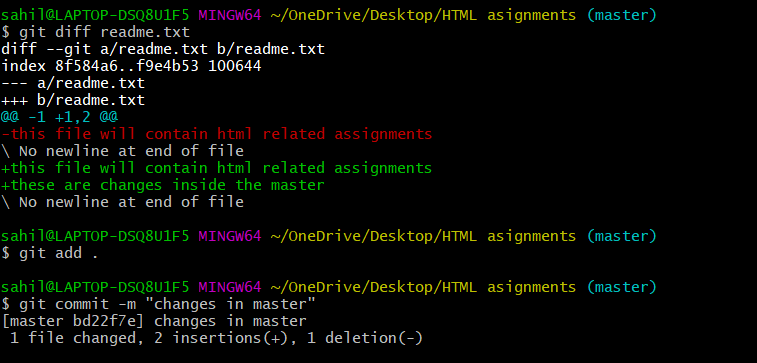
30)Commit those changed files.



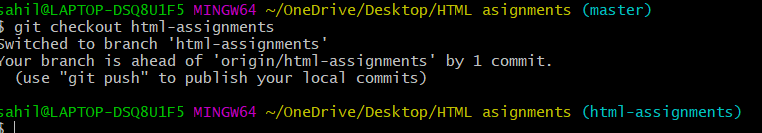
31)Switch to master branch.



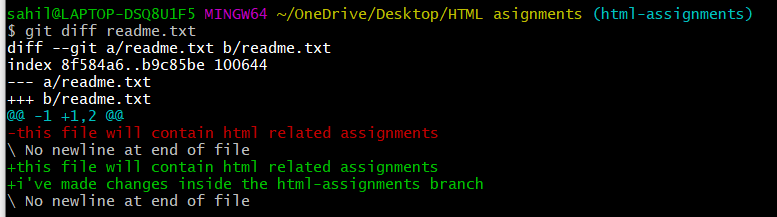
32)Make minor changes into README.txt file & commit those changes into master.



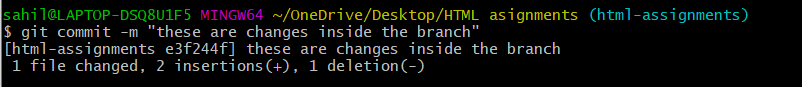
33)Again switch to ‘html-assignments’ branch.



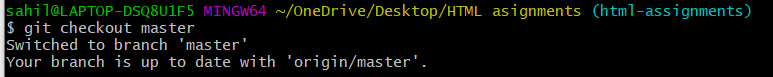
34)Make minor changes into few files belonging to ‘html-assignments’ branch.



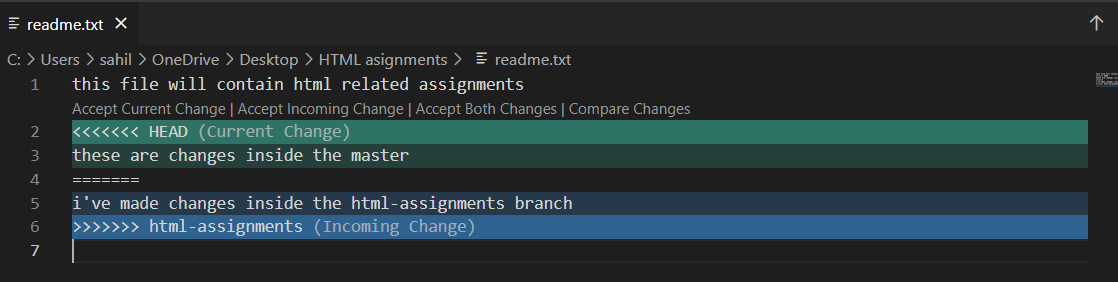
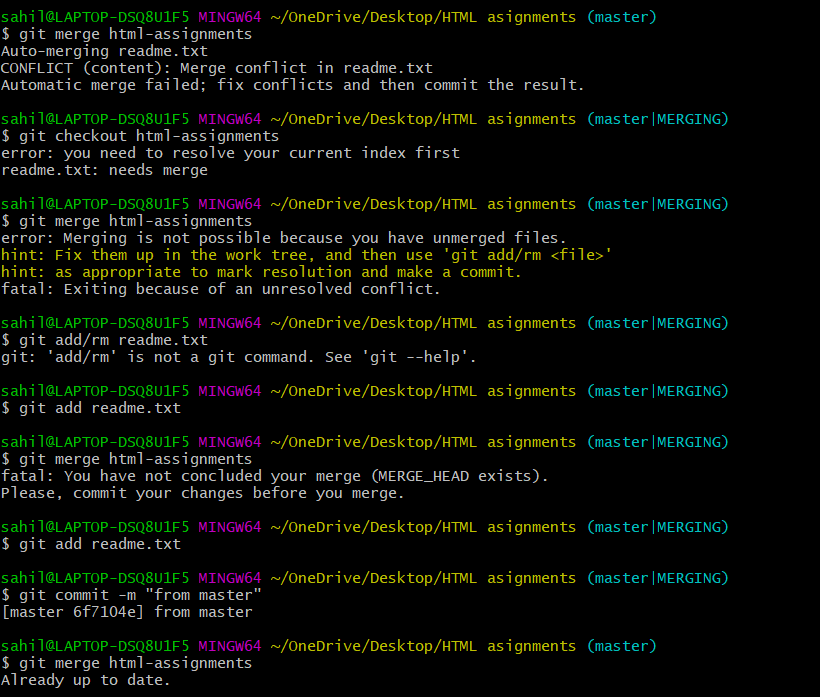
35)Commit those changes.



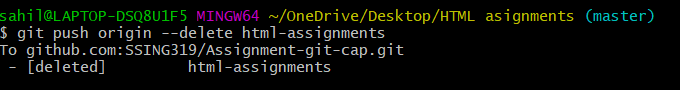
36)Switch to master.



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) Steps to follow:

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

SOL: git branch css-assignments

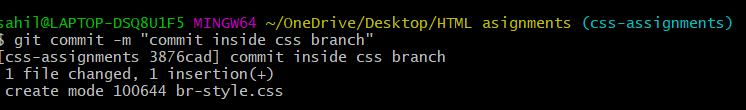
1. Switch to ‘css-assignments’ branch.

SOL: git checkout css-assignments

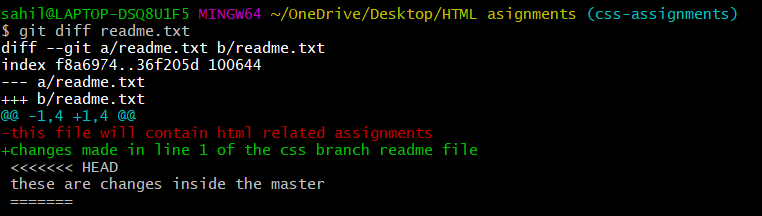
1. Copy all CSS assignments inside ‘Assignments’ folder.

SOL: DONE

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



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



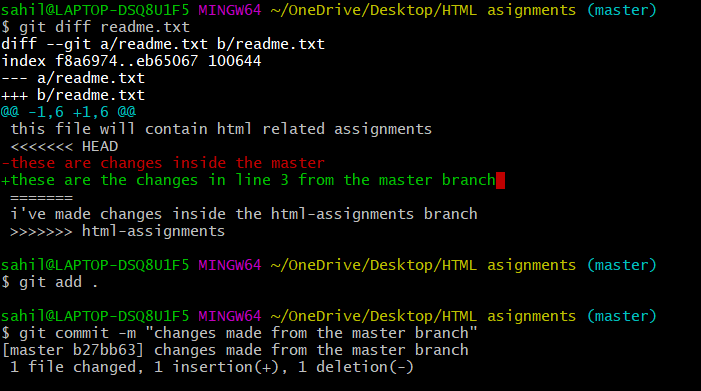
1. Commit those changed files.

SOL: git commit -m “changes made from css branch”

1. Switch to master branch.

SOL: git checkout master

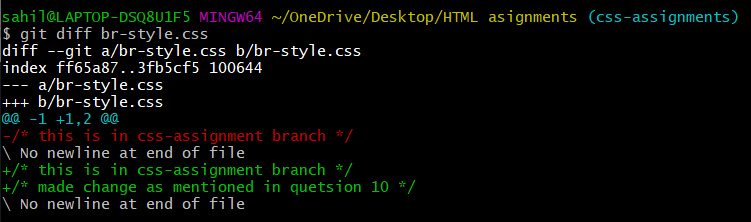
1. Make minor changes into README.txt file on line 3 & commit those changes into master.



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

SOL: git checkout css-assignments

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



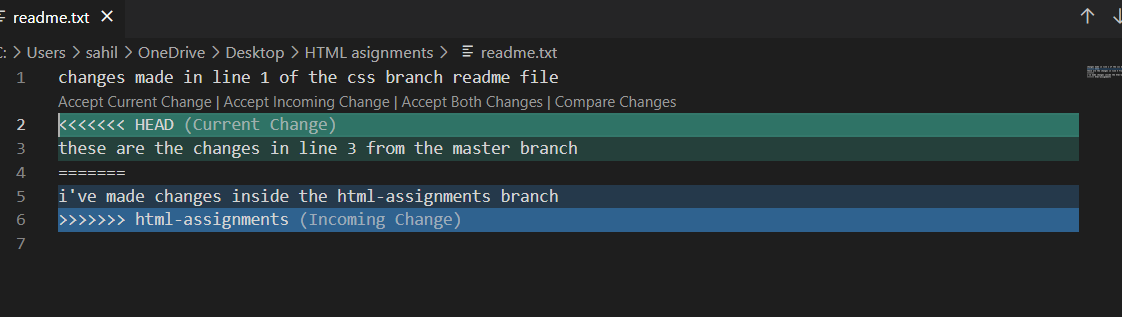
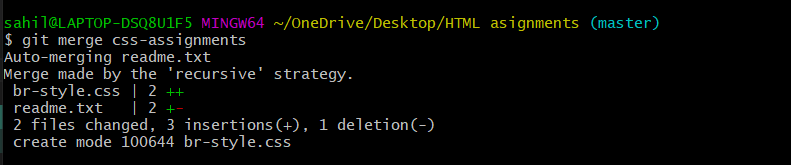
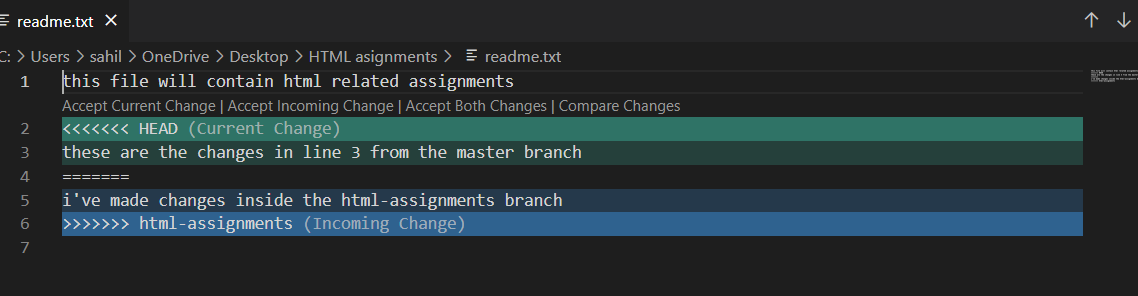
1. Commit those changes.

SOL: git commit -m "final change from the css branch in br-style.css"

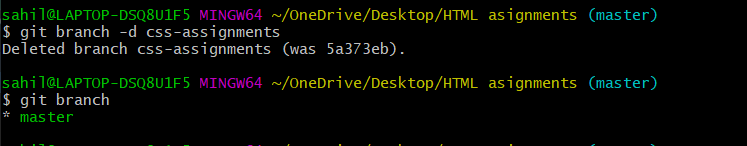
1. Switch to master.

SOL: git checkout master

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



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



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

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

SOL: git branch js-assignments

1. Switch to ‘js-assignments’ branch.

SOL: git checkout js-assignments

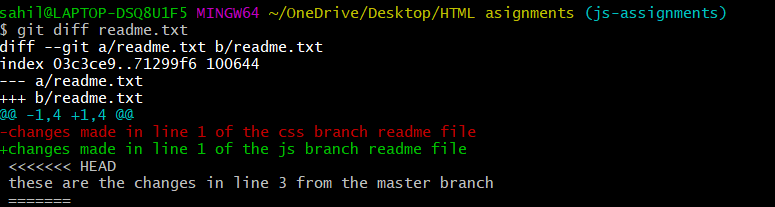
1. Copy all JavaScript assignments inside ‘Assignments’ folder.

SOL: DONE

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

SOL: git commit -m “commit from js”

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



1. Commit those changed files.

SOL: git commit -m “from js branch”

1. Switch to master branch.

SOL: git checkout master

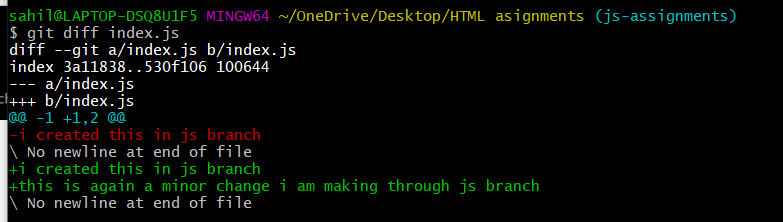
1. Make minor changes into README.txt file on line 1 & commit those changes into master.



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

SOL: git checkout js-assignments

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



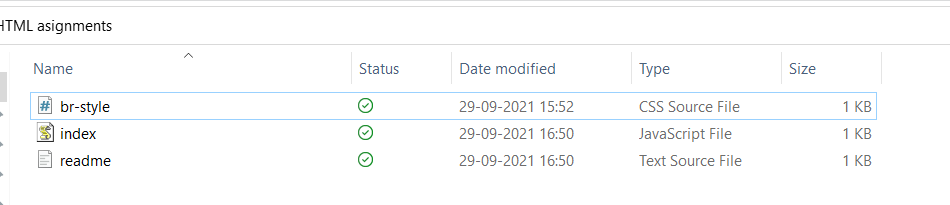
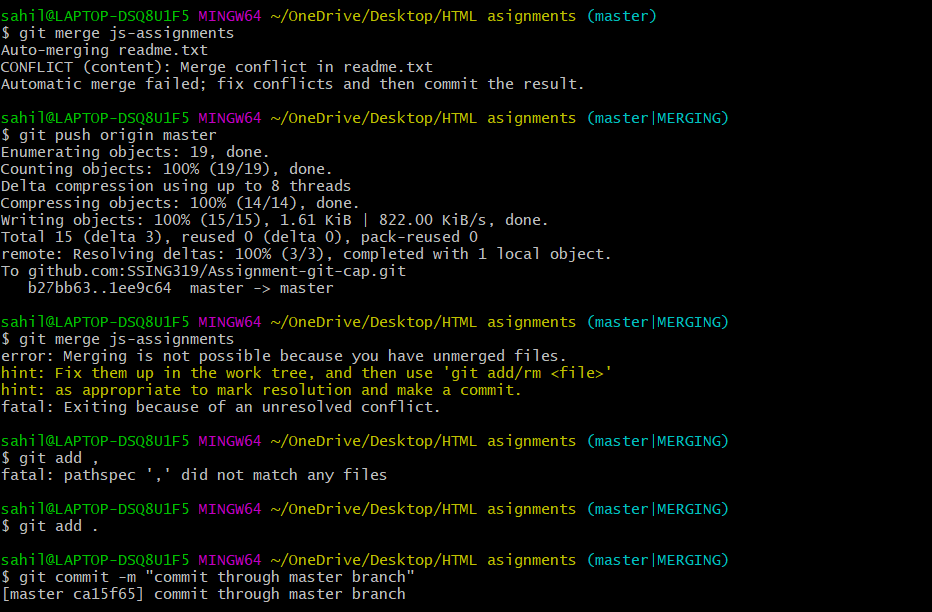
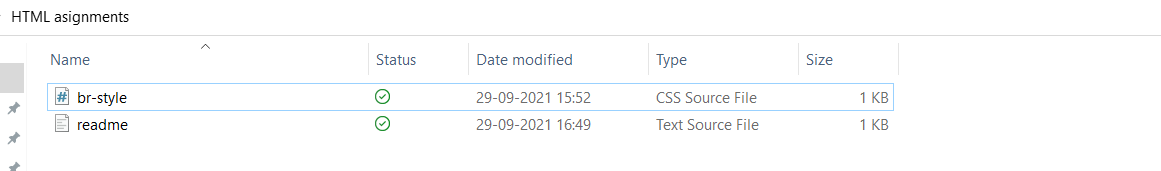
1. Commit those changes.

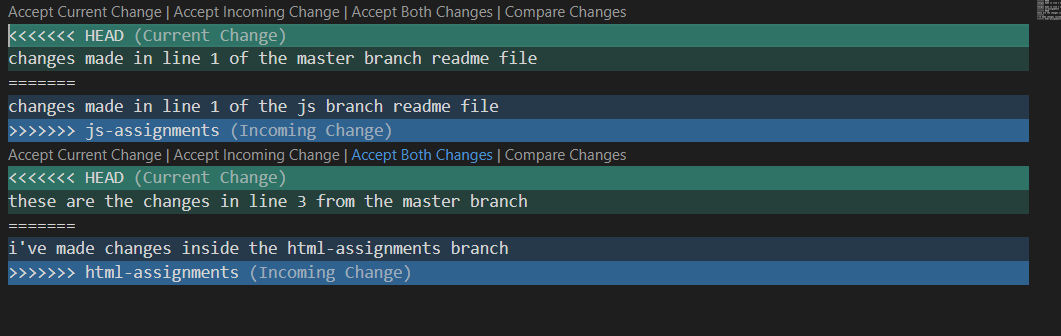
SOL: git commit -m “commit through js branch”

1. Switch to master.

SOL: git checkout master

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





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

SOL: git branch -d js-assignments

*GIT Remoting*

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

SECTION-3 (Pushing assignments to remote repository) - Steps to follow:

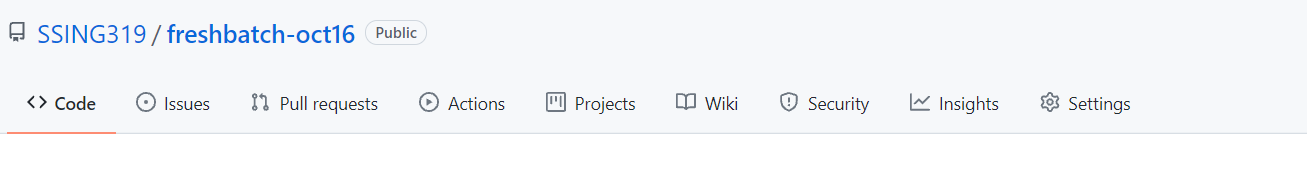
1. Create a github account if you do not have already.

SOL: ALREADY HAVE

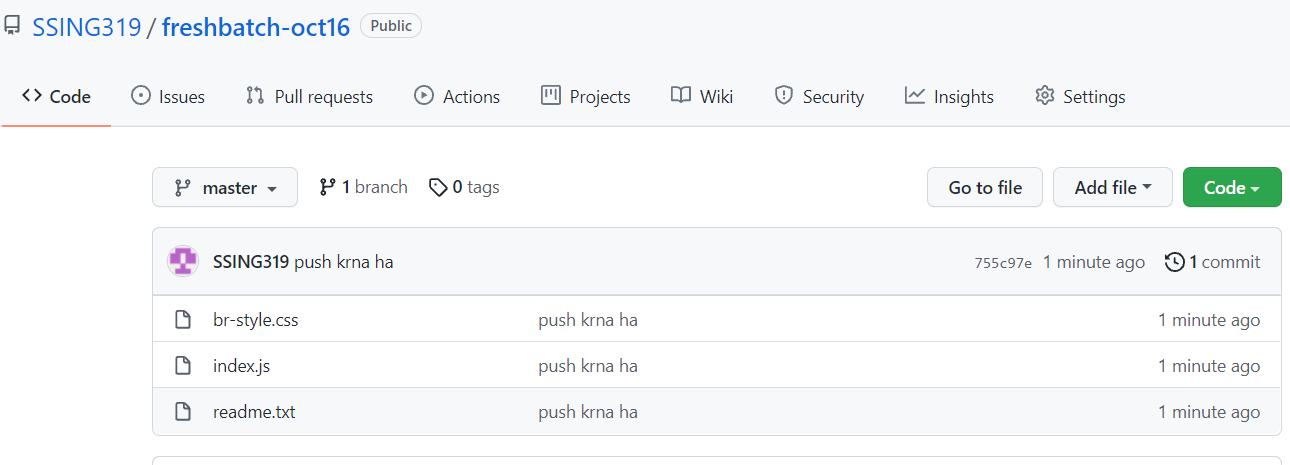
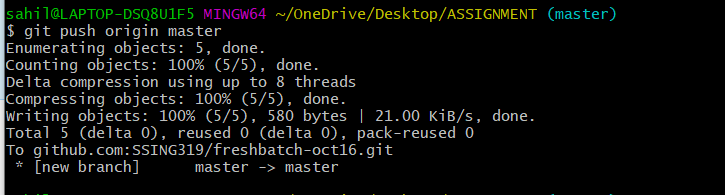
1. Login on into github account.

SOL: DONE

1. Create new public repository ‘freshersbatch-oct16’.

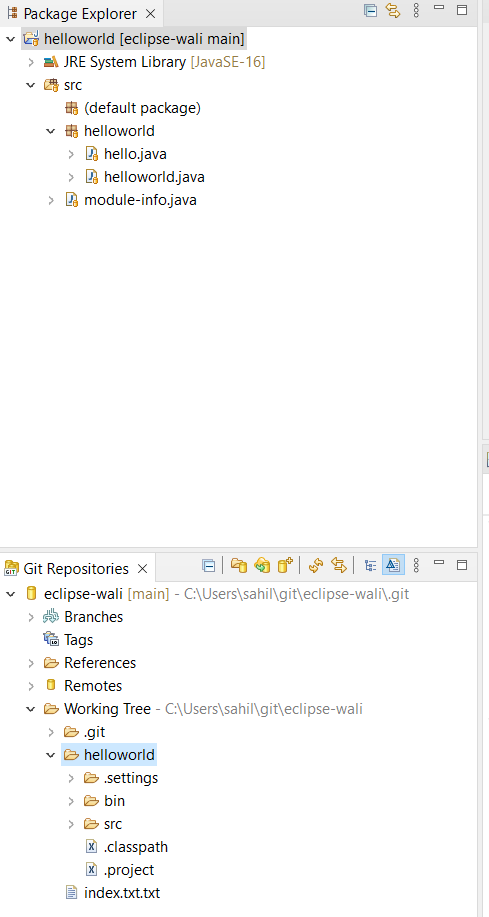


1. Commit & push any sample file to this repository under ‘Assignments’ directory.



SECTION-4 (Pushing source code to remote repository using Eclipse GIT plugin) - Steps to follow:

1. One developer from project team will create eclipse projects ‘SampleProj’ & add sample source code files. Then commit all files through eclipse GIT plugin.



1. Collaborate other team members with your github account so that they can also modify the committed files.
2. Other developers from same team will checkout all files from remote repository. This might get conflicts since certain files fail to merge. In such case, merge it manually.

4)Commit & push the ‘SampleProj’ project.

