Install GIT & make sure it is added into PATH.

Section 0 -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.

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1. Commit index.html

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

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1. Check git status. You should find index.html & info.txt as untracked files.
2. Configure GIT to ignore all txt files.

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1. Again check the git status. You should find only index.html as untracked file.
2. State & commit index.html
3. Log all your comments so far.

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1. Make some changes in index.html

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1. Revert the change made in the previous step using git command.
2. Again change index.html.

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1. Stage index.html
2. Revert back the last stage.

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1. Rename ‘add’ command to ‘my-add’.
2. Using my\_add command Stage index.html again & commit the changes.
3. Revert the last commit.

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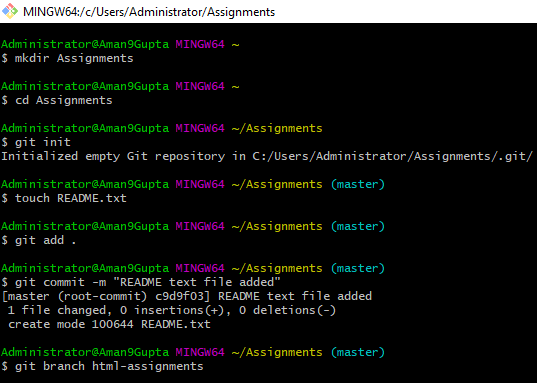
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*GIT Branching*

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

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

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



1. Switch to ‘html-assignments’ branch.
2. Copy all HTML assignments inside ‘Assignments’ folder.

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1. Commit HTML assignments into ‘html-assignments’ branch.
2. Make minor changes into few files belonging to ‘html-assignments’ branch.

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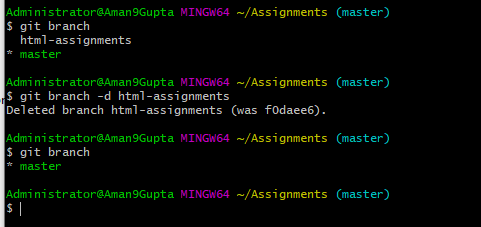
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1. Commit those changed files.
2. Switch to master branch.
3. Make minor changes into README.txt file & commit those changes into master.
4. Again switch to ‘html-assignments’ branch.
5. Make minor changes into few files belonging to ‘html-assignments’ branch.
6. Commit those changes.
7. Switch to master.
8. Merge ‘html-assignments’ branch into master. Confirm all html assignments are shown in master.
9. Finally delete the ‘html-assignments’ branch.

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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.

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1. Make minor changes into README.txt file on line 1 belonging to ‘css-assignments’ branch.
2. Commit those changed files.
3. Switch to master branch.
4. Make minor changes into README.txt file on line 3 & commit those changes into master.
5. Again switch to ‘css-assignments’ branch.
6. Make minor changes into few files belonging to ‘css-assignments’ branch.

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1. Commit those changes.
2. Switch to master.
3. Merge ‘css-assignments’ branch into master. Confirm all css assignments are shown in master.
4. Finally delete the ‘css-assignments’ branch.

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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.

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*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.
2. Login on into github account.
3. Create new public repository ‘freshersbatch-oct16’.
4. Commit & push any sample file to this repository under ‘Assignments’ directory.

Graphical user interface

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