Git Branching Assignment (html)

The codes!

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.

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir

$ mkdir Assignments

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir

$ cd Assignments

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments

$ git init

Initialized empty Git repository in C:/Users/Suraj R/OneDrive/Desktop/project dir/Assignments/.git/

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (master)

$ git status

On branch master

No commits yet

nothing to commit (create/copy files and use "git add" to track)

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (master)

$ touch README.txt

SURAJ R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (master)

$ git status

On branch master

No commits yet

Untracked files:

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

README.txt

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

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (master)

$ git add README.txt

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (master)

$ git commit -m 'comitting readme.txt'

[master (root-commit) d4f4a81] comitting readme.txt

1 file changed, 1 insertion(+)

create mode 100644 README.txt

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (master)

$ git log

commit d4f4a81737468f454b75cf58526f7f90962ac60f (HEAD -> master)

Author: suraj-r <dubeysuraj049@gmail.com>

Date: Thu Oct 21 12:44:57 2021 +0530

comitting readme.txt

1. Now create a new branch ‘html-assignments’.
2. Switch to ‘html-assignments’ branch.
3. Copy all HTML assignments inside ‘Assignments’ folder.
4. Commit HTML assignments into ‘html-assignments’ branch.
5. Make minor changes into few files belonging to ‘html-assignments’ branch.
6. Commit those changed files.

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (master)

$ git status

On branch master

nothing to commit, working tree clean

$ git checkout -b html-assignments

//creates new branch//

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (master)

$ git branch

html-assignments

\* master

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (master)

$ git checkout html-assignments

Switched to branch 'html-assignments'

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (html-assignments)

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (html-assignments)

$ git checkout master -- README.txt

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (html-assignments)

$ git status

On branch html-assignments

nothing to commit, working tree clean

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (html-assignments)

$ git commit -m 'adding readme.txt to new branch'

On branch html-assignments

nothing to commit, working tree clean

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/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: README.txt

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

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (html-assignments)

$ git add README.txt

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (html-assignments)

$ git status

On branch html-assignments

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

modified: README.txt

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (html-assignments)

$ git commit -m 'made changes in the readme.txt'

[html-assignments 9141350] made changes in the readme.txt

1 file changed, 1 insertion(+)

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

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (html-assignments)

$ git checkout master

Switched to branch 'master'

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (master)

$ git status

On branch master

nothing to commit, working tree clean

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/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")

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (master)

$ git add README.txt

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (master)

$ git commit -m 'Modified the readme.txt in master branch'

[master 7fb3cc1] Modified the readme.txt in master branch

1 file changed, 1 insertion(+)

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (master)

$ git checkout html-assignments

Switched to branch 'html-assignments'

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (html-assignments)

$ git status

On branch html-assignments

nothing to commit, working tree clean

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/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: README.txt

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

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (html-assignments)

$ git add README.txt

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (html-assignments)

$ git status

On branch html-assignments

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

modified: README.txt

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (html-assignments)

$ git commit -m 'Changes in the file for second branch'

[html-assignments f4bb0e0] Changes in the file for second branch

1 file changed, 1 insertion(+)

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (html-assignments)

$ git checkout master

Switched to branch 'master'

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (master)

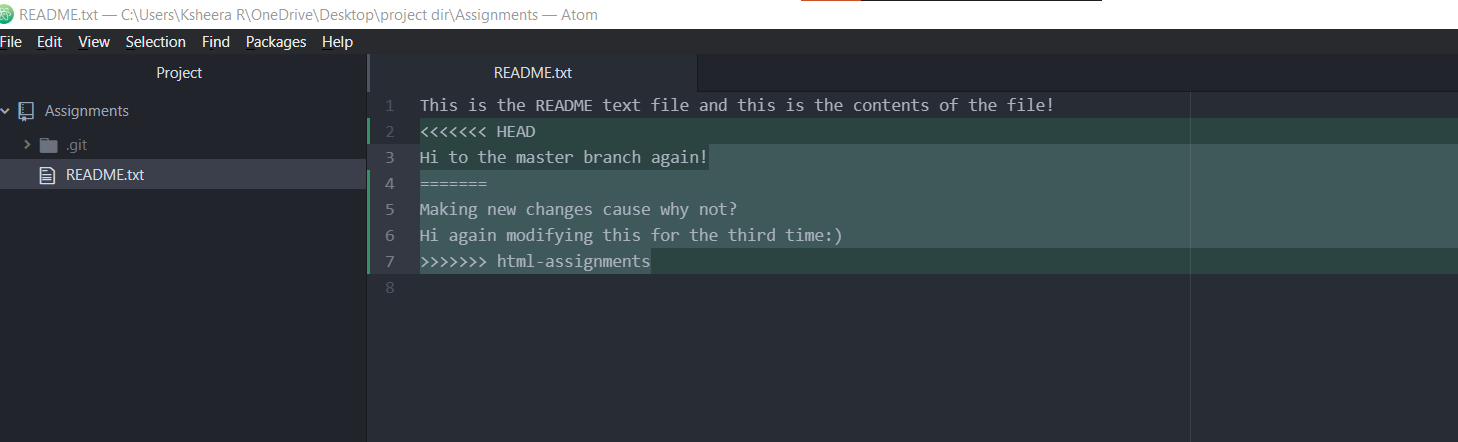
$ git merge html-assignments

Auto-merging README.txt

CONFLICT (content): Merge conflict in README.txt

Automatic merge failed; fix conflicts and then commit the result.

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (master|MERGING)



After merging both the branches, all the files are been shown in here

Suraj R@LAPTOP-BJL43LGE MINGW64 ~/OneDrive/Desktop/project dir/Assignments (master|MERGING)

$ git branch -D html-assignments

Deleted branch html-assignments (was f4bb0e0).