Git branching Assignment(HTML)

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.

```
anila@LAPTOP-4TD4DA8U MINGW64 ~
$ mkdir Assignments

anila@LAPTOP-4TD4DA8U MINGW64 ~
$ cd Assignments

anila@LAPTOP-4TD4DA8U MINGW64 ~/Assignments
$ git init
Initialized empty Git repository in C:/Users/anila/Assignments/.git/

anila@LAPTOP-4TD4DA8U MINGW64 ~/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)

anila@LAPTOP-4TD4DA8U MINGW64 ~/Assignments (master)
$ touch README.txt

anila@LAPTOP-4TD4DA8U MINGW64 ~/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)

anila@LAPTOP-4TD4DA8U MINGW64 ~/Assignments (master)
$ git add README.txt

anila@LAPTOP-4TD4DA8U MINGW64 ~/Assignments (master)
$ git commit -m 'commited README.txt'
[master (root-commit) 6357547] commited README.txt
 1 file changed, 2 insertions(+)
 create mode 100644 README.txt
```

5. Now create a new branch 'html-assignments'.
6. Switch to 'html-assignments' branch.
7. Copy all HTML assignments inside 'Assignments' folder.
8. Commit HTML assignments into 'html-assignments' branch.
9. Make minor changes into few files belonging to 'html-assignments' branch.
10. Commit those changed files.

```
anila@LAPTOP-4TD4DA8U MINGW64 ~/Assignments (master)
$ git status
On branch master
nothing to commit, working tree clean

anila@LAPTOP-4TD4DA8U MINGW64 ~/Assignments (master)
$ git checkout -b html-assignments
Switched to a new branch 'html-assignments'

anila@LAPTOP-4TD4DA8U MINGW64 ~/Assignments (html-assignments)
$ git branch
* html-assignments
  master

anila@LAPTOP-4TD4DA8U MINGW64 ~/Assignments (html-assignments)
$ git checkout html-assignments
Already on 'html-assignments'

anila@LAPTOP-4TD4DA8U MINGW64 ~/Assignments (html-assignments)
$ git checkout master -- README.txt

anila@LAPTOP-4TD4DA8U MINGW64 ~/Assignments (html-assignments)
$ git status
On branch html-assignments
nothing to commit, working tree clean

anila@LAPTOP-4TD4DA8U MINGW64 ~/Assignments (html-assignments)
$ git commit -m 'adding README.txt  to a new branch'
On branch html-assignments
nothing to commit, working tree clean

anila@LAPTOP-4TD4DA8U 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:   README.txt

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

anila@LAPTOP-4TD4DA8U MINGW64 ~/Assignments (html-assignments)
$ git add README.txt

anila@LAPTOP-4TD4DA8U MINGW64 ~/Assignments (html-assignments)
$ git status
On branch html-assignments
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   README.txt


anila@LAPTOP-4TD4DA8U MINGW64 ~/Assignments (html-assignments)
$ git commit -m 'changes in README.txt
>
> '
[html-assignments 27e2379] changes in README.txt
 1 file changed, 1 insertion(+)
```

11. Switch to master branch.

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

13. Again switch to 'html-assignments' branch.

14. Make minor changes into few files belonging to 'html-assignments' branch.

15. Commit those changes.

16. Switch to master.

17. Merge 'html-assignments' branch into master. Confirm all html assignments are shown in master.

18. Finally delete the 'html-assignments' branch.

```
anila@LAPTOP-4TD4DA8U MINGW64 ~/Assignments (html-assignments)
$ git checkout master
Switched to branch 'master'

anila@LAPTOP-4TD4DA8U MINGW64 ~/Assignments (master)
$ git status
On branch master
nothing to commit, working tree clean

anila@LAPTOP-4TD4DA8U 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")

anila@LAPTOP-4TD4DA8U MINGW64 ~/Assignments (master)
$ git add README.txt

anila@LAPTOP-4TD4DA8U MINGW64 ~/Assignments (master)
$ git commit -m 'again modified README.txt in master branch'
[master a922b77] again modified README.txt in master branch
 1 file changed, 2 insertions(+)

anila@LAPTOP-4TD4DA8U MINGW64 ~/Assignments (master)
$ git checkout html-assignments
Switched to branch 'html-assignments'

anila@LAPTOP-4TD4DA8U MINGW64 ~/Assignments (html-assignments)
$ git status
On branch html-assignments
nothing to commit, working tree clean

anila@LAPTOP-4TD4DA8U 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:   README.txt

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

anila@LAPTOP-4TD4DA8U MINGW64 ~/Assignments (html-assignments)
$ git add README.txt
```
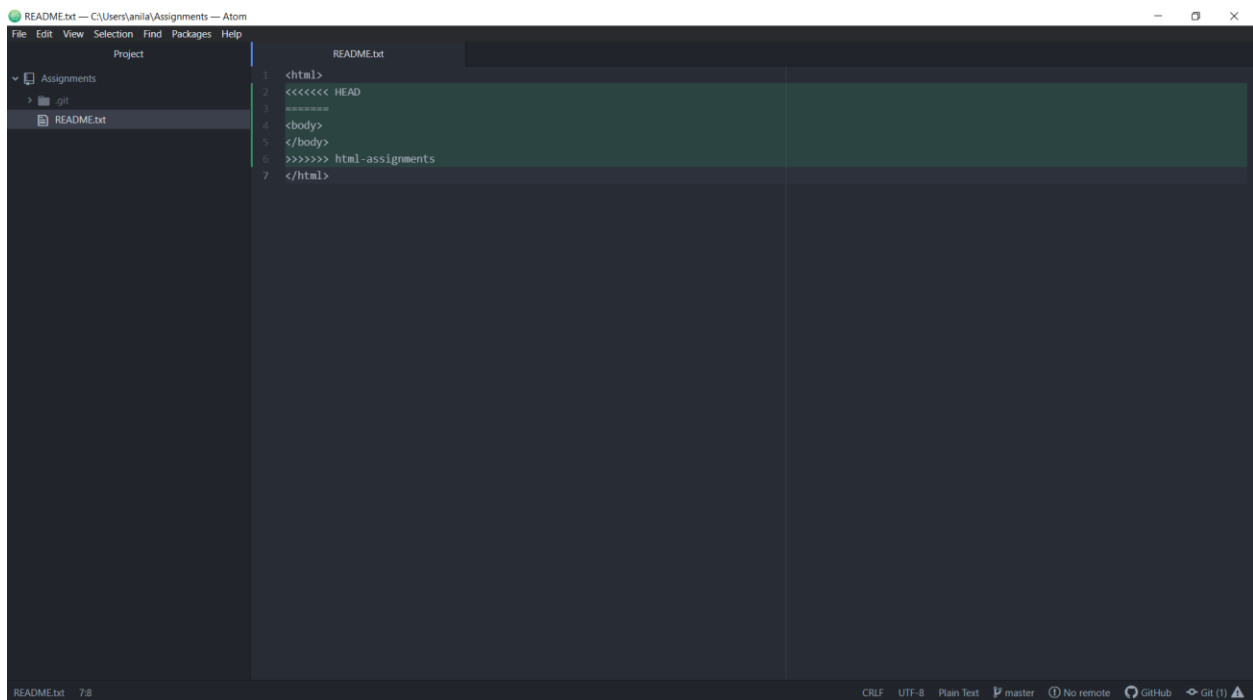
anila@LAPTOP-4TD4DA8U MINGW64 ~/Assignments (html-assignments)
$ git status
On branch html-assignments
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified: README.txt

anila@LAPTOP-4TD4DA8U MINGW64 ~/Assignments (html-assignments)
$ git commit -m 'made changes in second branch'
[html-assignments 837415f] made changes in second branch
 1 file changed, 4 insertions(+), 1 deletion(-)

anila@LAPTOP-4TD4DA8U MINGW64 ~/Assignments (html-assignments)
$ git checkout master
Switched to branch 'master'

anila@LAPTOP-4TD4DA8U MINGW64 ~/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.

anila@LAPTOP-4TD4DA8U MINGW64 ~/Assignments (master|MERGING)
$ git branch -D html-assignments
Deleted branch html-assignments (was 837415f).