GIT BRANCHING

OBJECTIVE – Commit HTML, CSS & JAVASCRIPT

Section 1 – HTML Assignment

21. First take backup of assignments and projects

22. Create an empty directory Assignments and cd to Assignments

```
Admin@Onkar MINGW64 ~
$ mkdir Assignments

Admin@Onkar MINGW64 ~
$ cd Assignments
```

23. Create file README.txt inside assignment folder and add few lines about the content of assignment folder

```
Admin@Onkar MINGW64 ~/Assignments (master)
$ touch README.txt

Admin@Onkar MINGW64 ~/Assignments (master)
$ notepad README.txt
```

24. Commit README.txt file

```
Admin@Onkar MINGW64 ~/Assignments (master)
$ git add README.txt

Admin@Onkar MINGW64 ~/Assignments (master)
$ git commit -m 'Readme text file added & modified'
[master (root-commit) 2d14987] Readme text file added & modified
 1 file changed, 1 insertion(+)
 create mode 100644 README.txt
```

25. Now create new branch 'HTML-assignments '

```
Admin@Onkar MINGW64 ~/Assignments (master)
$ git branch html-assignments
```

26. switch to 'HTML-assignments ' branch

```
Admin@Onkar MINGW64 ~/Assignments (master)
$ git branch
  html-assignments
* master

Admin@Onkar MINGW64 ~/Assignments (master)
$ git checkout html-assignments
Switched to branch 'html-assignments'
```

27. copy all 'HTML-assignments' inside assignments folder

```
Admin@Onkar MINGW64 ~/Assignments (html-assignments)
$ code .
```

-   VStudio opens up

28. Commit html assigments into 'HTML-assignments 'branch

```
Admin@Onkar MINGW64 ~/Assignments (html-assignments)
$ git status
On branch html-assignments
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        demo_b1.html

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

Admin@Onkar MINGW64 ~/Assignments (html-assignments)
$ git add demo_b1.html

Admin@Onkar MINGW64 ~/Assignments (html-assignments)
$ git commit -m 'New html file added'
[html-assignments 3bc7488] New html file added
 1 file changed, 14 insertions(+)
 create mode 100644 demo_b1.html
```

29. Make minor changes into files belonging to 'HTML-assignments '

```
Admin@Onkar 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:   demo_b1.html
```

30. Commit those changed files.

```
Admin@Onkar MINGW64 ~/Assignments (html-assignments)
$ git add demo_b1.html

Admin@Onkar MINGW64 ~/Assignments (html-assignments)
$ git commit -m 'Exisiting html file modified'
[html-assignments 5391eb8] Exisiting html file modified
 1 file changed, 1 insertion(+), 1 deletion(-)

Admin@Onkar MINGW64 ~/Assignments (html-assignments)
$ git checkout master
Switched to branch 'master'
```

31. Switch to Master branch

```
Admin@Onkar MINGW64 ~/Assignments (html-assignments)
$ git checkout master
Switched to branch 'master'
```

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

```
Admin@Onkar 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
```

33. Again switch to 'HTML-assignments ' branch

```
Admin@Onkar MINGW64 ~/Assignments (master)
$ git checkout html-assignments
Switched to branch 'html-assignments'
```

34. Make minor changes into files belonging to html assignments

```
Admin@Onkar 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:   demo_b1.html
```

35. Commit those changes

```
Admin@Onkar MINGW64 ~/Assignments (html-assignments)
$ git add demo_b1.html

Admin@Onkar MINGW64 ~/Assignments (html-assignments)
$ git commit -m 'html file updated'
[html-assignments 75a47ac] html file updated
 1 file changed, 3 insertions(+), 2 deletions(-)
```

36. Switch to Master branch

```
Admin@Onkar MINGW64 ~/Assignments (html-assignments)
$ git checkout master
Switched to branch 'master'
```

37. Merge all 'HTML-assignments ' branch into Master. Confirm all 'HTML-assignments ' are shown in Master

```
Admin@Onkar MINGW64 ~/Assignments (master)
$ git merge html-assignments
Merge made by the 'recursive' strategy.
 demo_b1.html | 15 +++++++++++++++
 1 file changed, 15 insertions(+)
 create mode 100644 demo_b1.html
```

38. Finally delete the all 'HTML-assignments '

```
Admin@Onkar MINGW64 ~/Assignments (master)
$ git branch -d html-assignments
Deleted branch html-assignments (was 75a47ac).

Admin@Onkar MINGW64 ~/Assignments (master)
$ git branch
* master
```