GIT BRANCHING

OBJECTIVE – Commit HTML, CSS & JAVASCRIPT

Section 1 – Javascript Assignment

1. Create a new branch 'JS-assignment'

```
Admin@Onkar MINGW64 ~/OneDrive/Desktop/Assignment (master)
$ git branch js-assignment
```

2. Switch to 'JS-assignment' branch

```
Admin@Onkar MINGW64 ~/OneDrive/Desktop/Assignment (master)
$ git checkout js-assignment
Switched to branch 'js-assignment'
D       Practise.css
D       demo.txt
```

3. Copy all JS assignments inside assignments folder

```
Admin@Onkar MINGW64 ~/OneDrive/Desktop/Assignment (js-assignment)
$ code .

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        Addition.js
```

4. Commit JavaScript assignment into 'JS-Assignments' branch

```
Admin@Onkar MINGW64 ~/OneDrive/Desktop/Assignment (js-assignment)
$ git add Addition.js

Admin@Onkar MINGW64 ~/OneDrive/Desktop/Assignment (js-assignment)
$ git commit -m 'New JS file added and committed'
[js-assignment 42ce04f] New JS file added and committed
 1 file changed, 19 insertions(+)
 create mode 100644 Addition.js
```

5. Make minor changes into README.txt file on line 1 belonging to JS assignments branch

```
Admin@Onkar MINGW64 ~/OneDrive/Desktop/Assignment (js-assignment)
$ ls
Addition.js  README.txt

Admin@Onkar MINGW64 ~/OneDrive/Desktop/Assignment (js-assignment)
$ notepad README.txt

Admin@Onkar MINGW64 ~/OneDrive/Desktop/Assignment (js-assignment)
$ git status
On branch js-assignment
Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working direc
        deleted:    Practise.css
        modified:   README.txt
        deleted:    demo.txt
```

6. Commit those changed files.

```
Admin@Onkar MINGW64 ~/OneDrive/Desktop/Assignment (js-assignment)
$ git add README.txt

Admin@Onkar MINGW64 ~/OneDrive/Desktop/Assignment (js-assignment)
$ git commit -m 'Readme file line 1 updated & committed'
[js-assignment 79ed9a5] Readme file line 1 updated & committed
 1 file changed, 2 insertions(+), 1 deletion(-)
```

7. Switch to Master branch

```
Admin@Onkar MINGW64 ~/OneDrive/Desktop/Assignment (js-assignment)
$ git checkout master
Switched to branch 'master'
D       Practise.css
D       demo.txt

Admin@Onkar MINGW64 ~/OneDrive/Desktop/Assignment (master)
$ ls
README.txt
```

8. Make minor changes into README.txt file on line 1 & commit those changes into Master branch

```
Admin@Onkar MINGW64 ~/OneDrive/Desktop/Assignment (master)
$ notepad README.txt

Admin@Onkar MINGW64 ~/OneDrive/Desktop/Assignment (master)
$ cd add README.txt
bash: cd: too many arguments

Admin@Onkar MINGW64 ~/OneDrive/Desktop/Assignment (master)
$ git add README.txt

Admin@Onkar MINGW64 ~/OneDrive/Desktop/Assignment (master)
$ git commit -m 'Readme file line 1 updated in master'
[master c2b35c2] Readme file line 1 updated in master
 1 file changed, 1 insertion(+), 1 deletion(-)
```

9. Again switch to 'JS-assignment' branch

```
Admin@Onkar MINGW64 ~/OneDrive/Desktop/Assignment (master)
$ git checkout js-assignment
Switched to branch 'js-assignment'
D       Practise.css
D       demo.txt

Admin@Onkar MINGW64 ~/OneDrive/Desktop/Assignment (js-assignment)
$ ls
Addition.js  README.txt
```

10. Make minor changes into files belonging to JS assignment branch

```
Admin@Onkar MINGW64 ~/OneDrive/Desktop/Assignment (js-assignment)
$ nano Addition.js

Admin@Onkar MINGW64 ~/OneDrive/Desktop/Assignment (js-assignment)
$ git status
On branch js-assignment
Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   Addition.js
        deleted:    Practise.css
        deleted:    demo.txt
```

11. Commit those changes

```
Admin@Onkar MINGW64 ~/OneDrive/Desktop/Assignment (js-assignment)
$ git commit -m 'Addition file updated & committed'
[js-assignment c4f99cf] Addition file updated & committed
 1 file changed, 2 insertions(+), 2 deletions(-)
```

12. Switch to Master branch

```
Admin@Onkar MINGW64 ~/OneDrive/Desktop/Assignment (js-assignment)
$ git checkout master
Switched to branch 'master'
D       Practise.css
D       demo.txt
```

13. Merge JS-assignment branch into master. Confirm all JS assignments are shown in master

```
Admin@Onkar MINGW64 ~/OneDrive/Desktop/Assignment (master)
$ git merge js-assignment
Auto-merging README.txt
CONFLICT (content): Merge conflict in README.txt
Automatic merge failed; fix conflicts and then commit the result.
```