

Git Branching

Section 3: Javascript Assignments

The image shows a terminal window and a file explorer. The terminal window displays the following commands and output:

```
MINGW64:/c:/Users/Naandi/Assignments
Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (master)
$ git branch js-assignments

Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (master)
$ git checkout js-assignments
Switched to branch 'js-assignments'

Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (js-assignments)
$ git status
On branch js-assignments
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        Addition.js
        message1.js

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

Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (js-assignments)
$ git add *.js

Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (js-assignments)
$ git commit -m "Adding JS files"
[js-assignments 97902e2] Adding JS files
2 files changed, 9 insertions(+)
create mode 100644 Addition.js
create mode 100644 message1.js

Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (js-assignments)
$ git status
On branch js-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")

Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (js-assignments)
$ git add README.txt

Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (js-assignments)
$ git commit -m "Updating README.txt"
[js-assignments 32ea761] Updating README.txt
1 file changed, 1 insertion(+), 2 deletions(-)

Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (js-assignments)
$ |
```

The file explorer shows the 'Assignments' folder with the following files:

Name	Date modified	Type	Size
Addition	30-07-2021 06:32 AM	JavaScript File	1 KB
HTML Assian_1	30-07-2021 04:40 AM	Chrome HTML Do...	1 KB

The 'README - Notepad' window shows the following text:

```
This assignment folder includes files related to implementation of iTransform Git and GitHub.
Section1 complete

Added new HTML and CSS files.
```

Js-assignments branch

```

Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (js-assignments)
$ git checkout master
Switched to branch 'master'

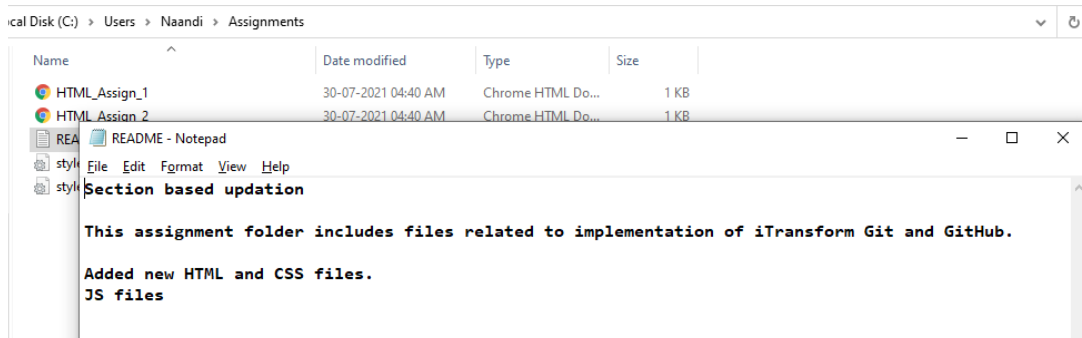
Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   README.txt

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

Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (master)
$ git add README.txt

Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (master)
$ git commit -m "Updating README.txt"
[master e818f99] Updating README.txt
1 file changed, 3 insertions(+), 1 deletion(-)

```



Master

```

Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (master)
$ git checkout js-assignments
Switched to branch 'js-assignments'

Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (js-assignments)
$ git status
On branch js-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:   Addition.js

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

Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (js-assignments)
$ git add Addition.js

Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (js-assignments)
$ git commit -m "Updating values in Addition.js"
[js-assignments 97512c8] Updating values in Addition.js
1 file changed, 4 insertions(+), 4 deletions(-)

Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (js-assignments)
$ git checkout master
Switched to branch 'master'

Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (master)
$ git merge js-assignments
Auto-merging README.txt
CONFLICT (content): Merge conflict in README.txt
Automatic merge failed; fix conflicts and then commit the result.

Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (master)

```

```
Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (master|MERGING)
$ git merge js-assignments
error: Merging is not possible because you have unmerged files.
hint: Fix them up in the work tree, and then use 'git add/rm <file>'
hint: as appropriate to mark resolution and make a commit.
fatal: Exiting because of an unresolved conflict.

Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (master|MERGING)
$ git status
On branch master
You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

Changes to be committed:
  new file:   Addition.js
  new file:   message1.js

Unmerged paths:
  (use "git add <file>..." to mark resolution)
    both modified:  README.txt

Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (master|MERGING)
$ git add README.txt

Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (master|MERGING)
$ git commit -m "Updating README.txt"
[master a67a97d] Updating README.txt

Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (master)
$ git branch -d js-assignments
Deleted branch js-assignments (was 97512c8).

Kanya Bangera@DESKTOP-OTUUEET MINGW64 ~/Assignments (master)
$
```