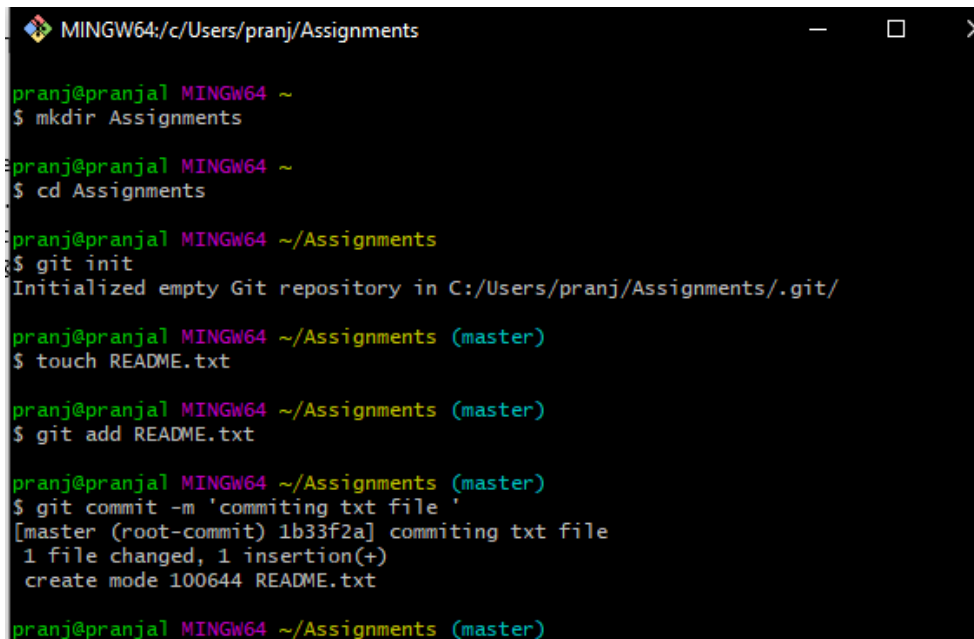# GIT Branching

Objective: Commit HTML, CSS & JavaScript assignments into GIT.

SECTION-1 (HTML assignments) - Steps to follow:

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.

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.

new - Notepad

File   Edit   Format   View   Help

new changes

```
<> info.html M ✕

C: > Users > pranj > Assignments > <> info.html > ⊘ html
  1    <html>
  2        <body>
  3            new changes
  4        </body>
  5
  6    </html>
```

```
MINGW64:/c/Users/pranj/Assignments                          —    □    ✕

pranj@pranjal MINGW64 ~/Assignments (html-assignments)
$ git add new.txt

pranj@pranjal MINGW64 ~/Assignments (html-assignments)
$ git add info.html

pranj@pranjal MINGW64 ~/Assignments (html-assignments)
$ git commit -m 'commiting in html assignment  branch '
[html-assignments 44abcff] commiting in html assignment  branch
 2 files changed, 7 insertions(+)

pranj@pranjal MINGW64 ~/Assignments (html-assignments)
$ |
```
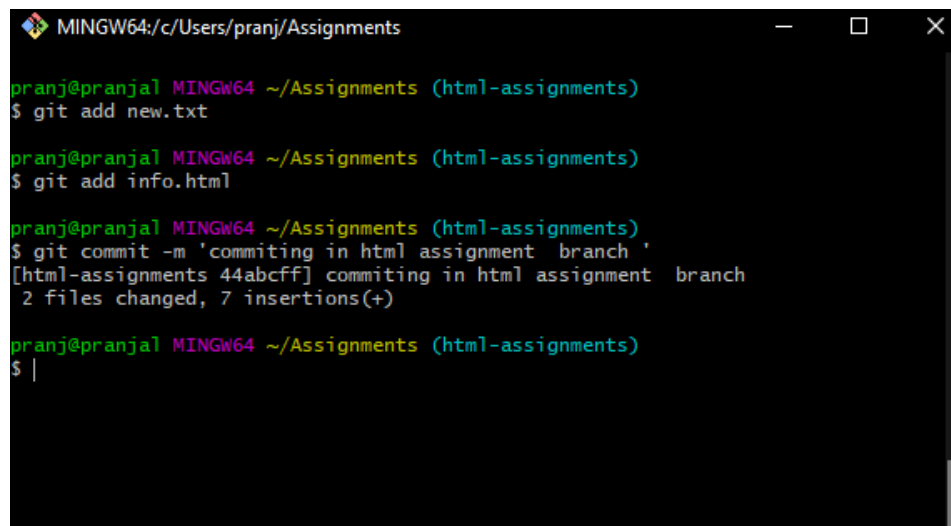
11. Switch to master branch.
12. Make minor changes into README.txt file & commit those changes into master.

README - Notepad

File Edit Format View Help

hello my naame is pranjal !!

changing containt |

MINGW64:/c/Users/pranj/Assignments

pranj@pranjal MINGW64 ~/Assignments (html-assignments)
$ git checkout master
Switched to branch 'master'

pranj@pranjal MINGW64 ~/Assignments (master)
$ git add README.txt

pranj@pranjal MINGW64 ~/Assignments (master)
$ git commit -m 'changing containt for readme in master branch'
[master 22d6ad7] changing containt for readme in master branch
 1 file changed, 4 insertions(+), 1 deletion(-)

pranj@pranjal MINGW64 ~/Assignments (master)
$ |

13. Again switch to 'html-assignments' branch.
14. Make minor changes into few files belonging to 'html-assignments' branch.
15. Commit those changes.

new - Notepad

File Edit Format View Help

new changes

changing again|

```html
<html>
    <body>
        new changes

        chnaging | again
    </body>

</html>
```

```
MINGW64:/c/Users/pranj/Assignments                           —      □

pranj@pranjal MINGW64 ~/Assignments (master)
$ git checkout html-assignments
Switched to branch 'html-assignments'

pranj@pranjal MINGW64 ~/Assignments (html-assignments)
$ git add new.txt

pranj@pranjal MINGW64 ~/Assignments (html-assignments)
$ git add info.html

pranj@pranjal MINGW64 ~/Assignments (html-assignments)
$ git commit -m 'changing 2nd time in html-assignments branch'
[html-assignments d62faa2] changing 2nd time in html-assignments branch
 2 files changed, 5 insertions(+)

pranj@pranjal MINGW64 ~/Assignments (html-assignments)
$ |
```
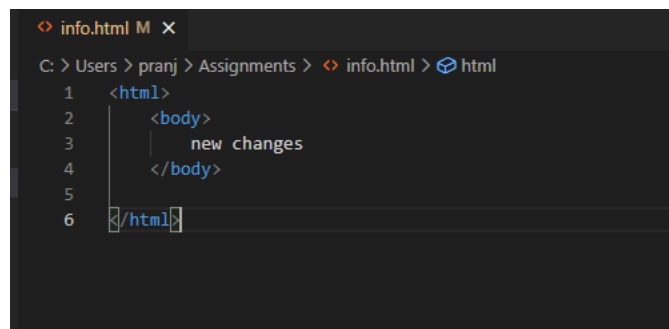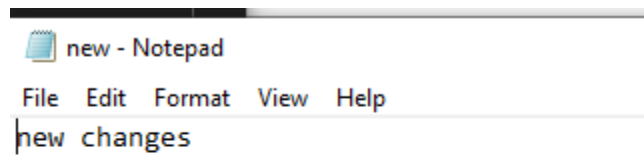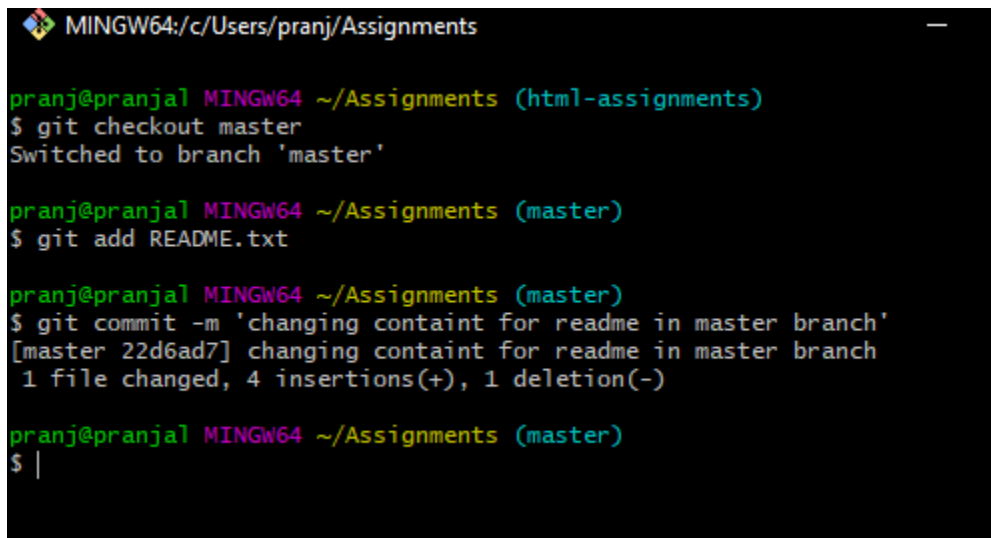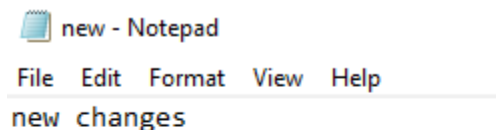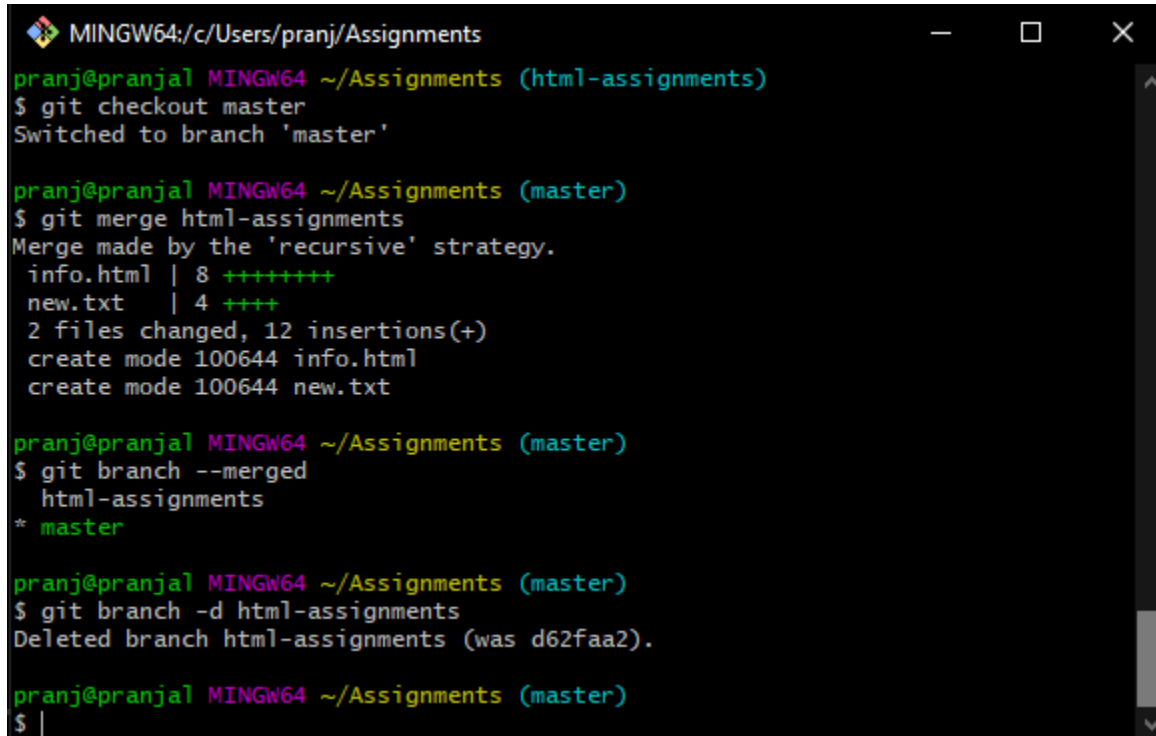
16. Switch to master.
17. Merge 'html-assignments' branch into master. Confirm all html assignments are shown in master.
18. Finally delete the 'html-assignments' branch.

```
MINGW64:/c/Users/pranj/Assignments                                    —    □    ✕

pranj@pranjal MINGW64 ~/Assignments (html-assignments)
$ git checkout master
Switched to branch 'master'

pranj@pranjal MINGW64 ~/Assignments (master)
$ git merge html-assignments
Merge made by the 'recursive' strategy.
 info.html | 8 ++++++++
 new.txt   | 4 ++++
 2 files changed, 12 insertions(+)
 create mode 100644 info.html
 create mode 100644 new.txt

pranj@pranjal MINGW64 ~/Assignments (master)
$ git branch --merged
  html-assignments
* master

pranj@pranjal MINGW64 ~/Assignments (master)
$ git branch -d html-assignments
Deleted branch html-assignments (was d62faa2).

pranj@pranjal MINGW64 ~/Assignments (master)
$ |
```