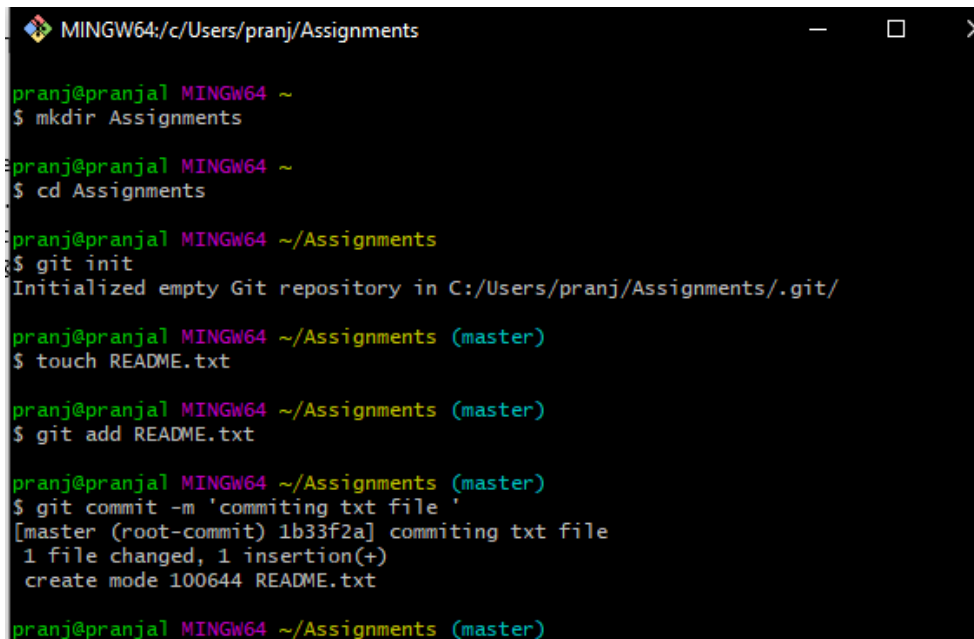


# *GIT Branching*

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.

A screenshot of a Windows command prompt window titled 'MINGW64: c:/Users/pranj/Assignments'. The window shows a series of commands and their outputs. The user creates a directory 'Assignments', navigates to it, initializes a Git repository, creates a 'README.txt' file, adds it to the repository, and commits it with the message 'committing txt file'. The commit hash is 1b33f2a.

```
pranj@pranjal MINGW64 ~
$ mkdir Assignments

pranj@pranjal MINGW64 ~
$ cd Assignments

pranj@pranjal MINGW64 ~/Assignments
$ git init
Initialized empty Git repository in C:/Users/pranj/Assignments/.git/

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

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

pranj@pranjal MINGW64 ~/Assignments (master)
$ git commit -m 'committing txt file '
[master (root-commit) 1b33f2a] committing txt file
1 file changed, 1 insertion(+)
 create mode 100644 README.txt

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

5. Now create a new branch 'html-assignments'.
6. Switch to 'html-assignments' branch.

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

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

pranj@pranj MINGW64 ~/Assignments (master)
$ git brach
git: 'brach' is not a git command. See 'git --help'.

The most similar command is
    branch

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

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

pranj@pranj MINGW64 ~/Assignments (html-assignments)
$ |
```

7. Copy all HTML assignments inside 'Assignments' folder.
8. Commit HTML assignments into 'html-assignments' branch.

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

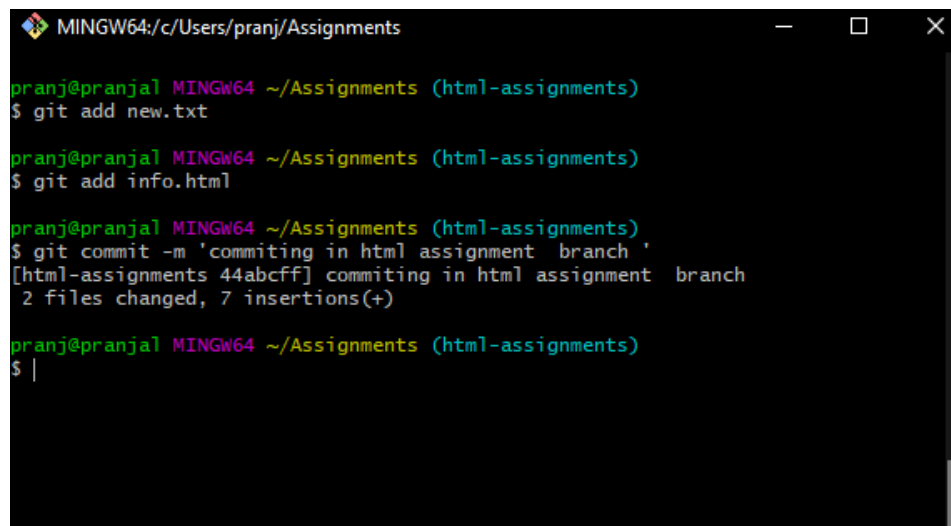
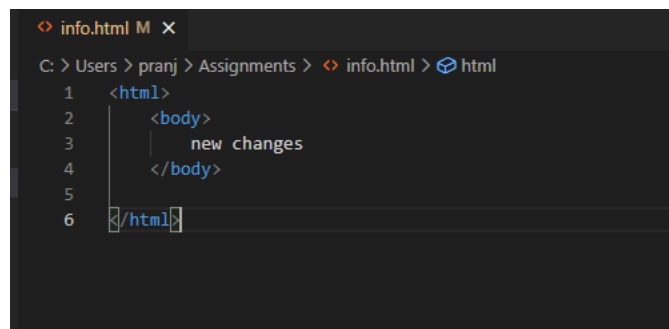
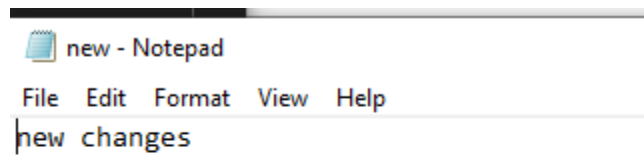
pranj@pranj MINGW64 ~/Assignments (html-assignments)
$ git add new.txt

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

pranj@pranj MINGW64 ~/Assignments (html-assignments)
$ git commit -m 'committing in html assignments branch'
[html-assignments 1118336] committing in html assignments branch
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 info.html
 create mode 100644 new.txt

pranj@pranj MINGW64 ~/Assignments (html-assignments)
$ |
```

9. Make minor changes into few files belonging to 'html-assignments' branch.
10. Commit those changed files.

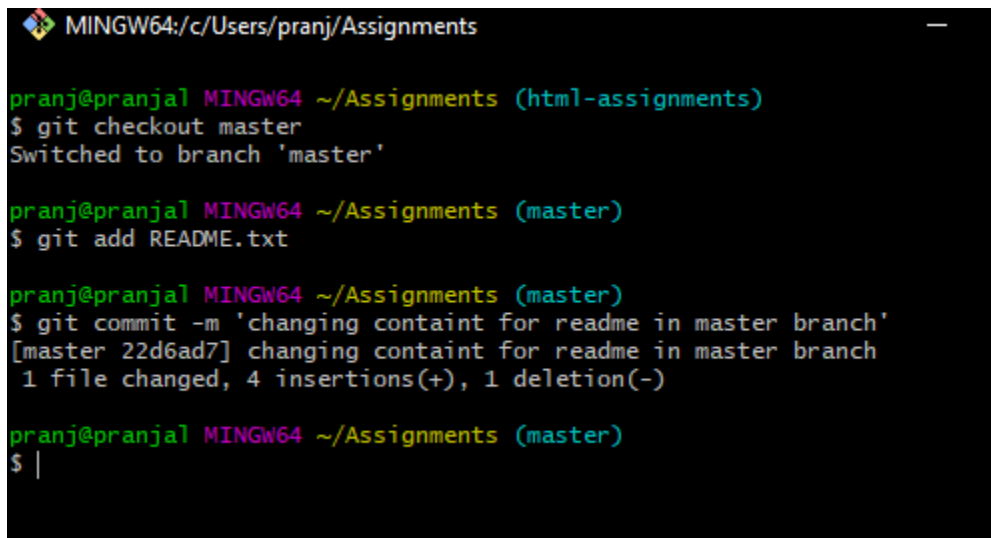


11. Switch to master branch.
12. Make minor changes into README.txt file & commit those changes into master.



```
README - Notepad
File Edit Format View Help
hello my naame is pranjai !!
```

changing containt |



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

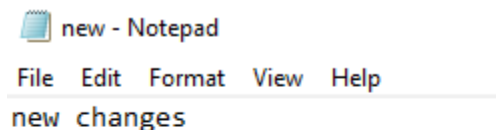
pranj@pranj MINGW64 ~/Assignments (html-assignments)
$ git checkout master
Switched to branch 'master'

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

pranj@pranj 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@pranj 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|

```
info.html X
C: > Users > pranj > Assignments > info.html > html > body
1 <html>
2   <body>
3     new changes
4
5     chnaging | again
6   </body>
7
8 </html>
```

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

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

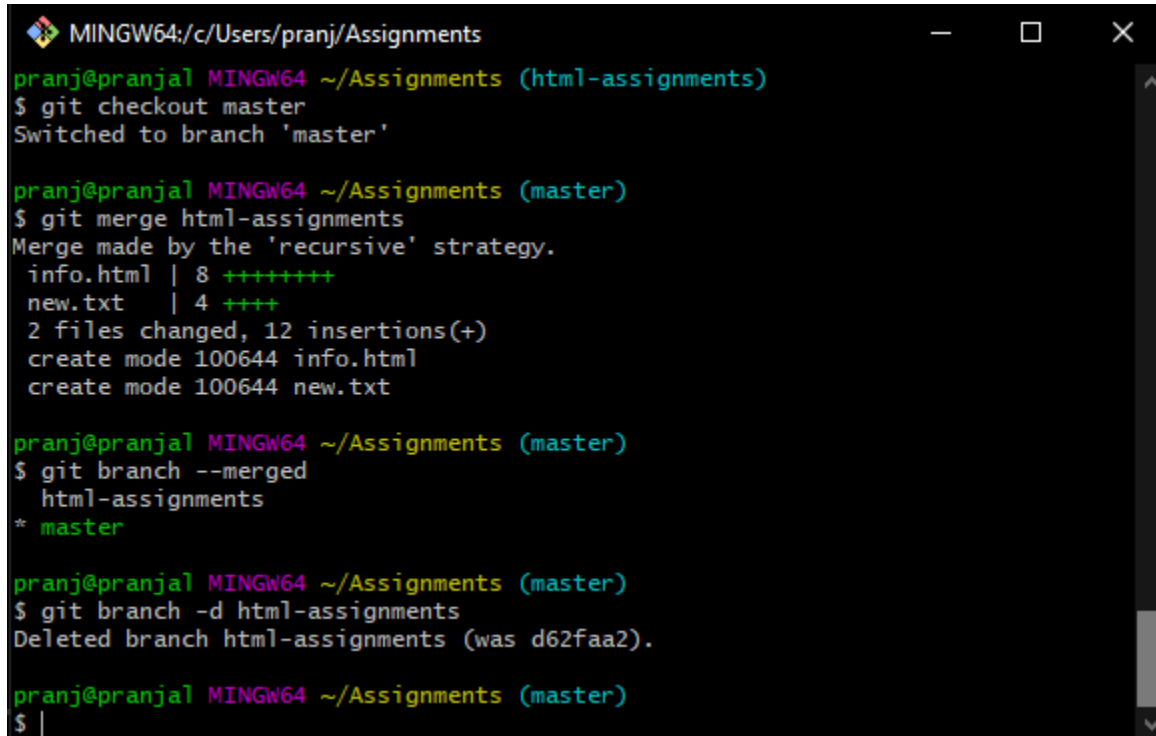
pranj@pranjal MINGW64 ~/Assignments (html-assignments)
$ git add new.txt

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

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

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

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