

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

21. First take a backup of your assignments & projects. This is required because due to incorrect GIT operation you may lose your files.
22. Create an empty directory 'Assignments' & cd to 'Assignments'.
23. Create a file README.txt inside 'Assignments' & write few lines about the contents of 'Assignments' folder.
24. Commit README.txt file.
25. Now create a new branch 'html-assignments'.
26. Switch to 'html-assignments' branch.
27. Copy all HTML assignments inside 'Assignments' folder.
28. Commit HTML assignments into 'html-assignments' branch.
29. Make minor changes into few files belonging to 'html-assignments' branch.
30. Commit those changed files.

MINGW64:/c/Users/Pratham/Assignments

```
Pratham@Pratham-STATION MINGW64 ~  
$ mkdir Assignments
```

```
Pratham@Pratham-STATION MINGW64 ~  
$ cd Assignments
```

```
Pratham@Pratham-STATION MINGW64 ~/Assignments  
$ touch README.txt
```

```
Pratham@Pratham-STATION MINGW64 ~/Assignments  
$ git add README.txt  
fatal: not a git repository (or any of the parent directories): .git
```

```
Pratham@Pratham-STATION MINGW64 ~/Assignments  
$ git init  
Initialized empty Git repository in C:/Users/Pratham/Assignments/.git/
```

```
Pratham@Pratham-STATION MINGW64 ~/Assignments (master)  
$ git add .
```

```
Pratham@Pratham-STATION MINGW64 ~/Assignments (master)  
$ git commit -m "README.txt committed"  
[master (root-commit) 48c7e55] README.txt committed  
1 file changed, 1 insertion(+)  
create mode 100644 README.txt
```

```
Pratham@Pratham-STATION MINGW64 ~/Assignments (master)  
$ git branch html-assignments
```

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

```
Pratham@Pratham-STATION MINGW64 ~/Assignments (html-assignments)  
$ git add .
```

```
Pratham@Pratham-STATION MINGW64 ~/Assignments (html-assignments)  
$ git commit -m "index.html committed"  
[html-assignments b3fe362] index.html committed  
1 file changed, 14 insertions(+)  
create mode 100644 index.html
```

```
Pratham@Pratham-STATION 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:   index.html
```

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

```
Pratham@Pratham-STATION MINGW64 ~/Assignments (html-assignments)  
$ git add index.html
```

```
Pratham@Pratham-STATION MINGW64 ~/Assignments (html-assignments)  
$ git commit -m "update index.html with minor changes"
```

29. Make minor changes into few files belonging to 'html-assignments' branch.
30. Commit those changed files.
31. Switch to master branch.
32. Make minor changes into README.txt file & commit those changes into master.
33. Again switch to 'html-assignments' branch.
34. Make minor changes into few files belonging to 'html-assignments' branch.
35. Commit those changes.
36. Switch to master.
37. Merge 'html-assignments' branch into master. Confirm all html assignments are shown in master.
38. Finally delete the 'html-assignments' branch.

```
MINGW64:/c/Users/Pratham/Assignments

Pratham@Pratham-STATION MINGW64 ~/Assignments (html-assignments)
$ git commit -m "update index.html with minor changes"
[html-assignments ae20065] update index.html with minor changes
1 file changed, 1 insertion(+), 1 deletion(-)

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

Pratham@Pratham-STATION MINGW64 ~/Assignments (master)
$ git add README.txt

Pratham@Pratham-STATION MINGW64 ~/Assignments (master)
$ git commit -m "Update README.txt with minor changes in master"
[master c702d80] Update README.txt with minor changes in master
1 file changed, 2 insertions(+), 1 deletion(-)

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

Pratham@Pratham-STATION MINGW64 ~/Assignments (html-assignments)
$ git add index.html

Pratham@Pratham-STATION MINGW64 ~/Assignments (html-assignments)
$ git commit -m "update index.html with minor change in html-assignments"
[html-assignments 20f13d6] update index.html with minor change in html-assignments
1 file changed, 1 insertion(+), 1 deletion(-)

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

Pratham@Pratham-STATION MINGW64 ~/Assignments (master)
$ git merge html-assignments
Merge made by the 'ort' strategy.
index.html | 14 ++++++++
1 file changed, 14 insertions(+)
create mode 100644 index.html

Pratham@Pratham-STATION MINGW64 ~/Assignments (master)
$ ls
README.txt  index.html
```

```
Pratham@Pratham-STATION MINGW64 ~/Assignments (master)
$ git branch -d html-assignments
Deleted branch html-assignments (was 20f13d6).
```

1. Create a new branch 'css-assignments'.
2. Switch to 'css-assignments' branch.
3. Copy all CSS assignments inside 'Assignments' folder.
4. Commit CSS assignments into 'css-assignments' branch.
5. Make minor changes into README.txt file on line 1 belonging to 'css-assignments' branch.
6. Commit those changed files.
7. Switch to master branch.
8. Make minor changes into README.txt file on line 3 & commit those changes into master.
9. Again switch to 'css-assignments' branch.
10. Make minor changes into few files belonging to 'css-assignments' branch.
11. Commit those changes.
12. Switch to master.
13. Merge 'css-assignments' branch into master. Confirm all css assignments are shown in master.
14. Finally delete the 'css-assignments' branch.

```
Pratham@Pratham-STATION MINGW64 ~/Assignments (master)
$ git branch -d css-assignments
Deleted branch css-assignments (was dbab769).
```

```
Pratham@Pratham-STATION MINGW64 ~/Assignments (master)
$ git branch css-assignments

Pratham@Pratham-STATION MINGW64 ~/Assignments (master)
$ git checkout css-assignments
Switched to branch 'css-assignments'

Pratham@Pratham-STATION MINGW64 ~/Assignments (css-assignments)
$ git add style.css

Pratham@Pratham-STATION MINGW64 ~/Assignments (css-assignments)
$ git commit -m "style.css committed"
[css-assignments 2223a0d] style.css committed
1 file changed, 20 insertions(+)
create mode 100644 style.css

Pratham@Pratham-STATION MINGW64 ~/Assignments (css-assignments)
$ git status
On branch css-assignments
nothing to commit, working tree clean

Pratham@Pratham-STATION MINGW64 ~/Assignments (css-assignments)
$ git add README.txt

Pratham@Pratham-STATION MINGW64 ~/Assignments (css-assignments)
$ git commit -m "update README.txt with minor change in css-assignments"
[css-assignments debac66] update README.txt with minor change in css-assignments
1 file changed, 2 insertions(+)

Pratham@Pratham-STATION MINGW64 ~/Assignments (css-assignments)
$ git checkout master
Switched to branch 'master'

Pratham@Pratham-STATION MINGW64 ~/Assignments (master)
$ git add README.txt

Pratham@Pratham-STATION MINGW64 ~/Assignments (master)
$ git commit -m "update README.txt in master"
[master 8dc3808] update README.txt in master
1 file changed, 3 insertions(+), 1 deletion(-)

Pratham@Pratham-STATION MINGW64 ~/Assignments (master)
$ git checkout css-assignments
Switched to branch 'css-assignments'

Pratham@Pratham-STATION MINGW64 ~/Assignments (css-assignments)
$ git add style.css

Pratham@Pratham-STATION MINGW64 ~/Assignments (css-assignments)
$ git commit -m "update style.css with minor change in css-assignments"
[css-assignments dbab769] update style.css with minor change in css-assignments
1 file changed, 2 insertions(+), 1 deletion(-)

Pratham@Pratham-STATION MINGW64 ~/Assignments (css-assignments)
$ git checkout master
Switched to branch 'master'

Pratham@Pratham-STATION MINGW64 ~/Assignments (master)
$ git merge css-assignments
Auto-merging README.txt
CONFLICT (content): Merge conflict in README.txt
```

SECTION-3 - (JavaScript assignments) Steps to follow:

1. Create a new branch 'js-assignments'.
2. Switch to 'js-assignments' branch.
3. Copy all JavaScript assignments inside 'Assignments' folder.
4. Commit JavaScript assignments into 'js-assignments' branch.
5. Make minor changes into README.txt file on line 1 belonging to 'js-assignments' branch.
6. Commit those changed files.
7. Switch to master branch.
8. Make minor changes into README.txt file on line 1 & commit those changes into master.

```
Pratham@Pratham-STATION MINGW64 ~/Assignments (master)
$ git branch js-assignments

Pratham@Pratham-STATION MINGW64 ~/Assignments (master)
$ git checkout js-assignments
Switched to branch 'js-assignments'

Pratham@Pratham-STATION MINGW64 ~/Assignments (js-assignments)
$ git status
On branch js-assignments
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    script.js.txt

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

Pratham@Pratham-STATION MINGW64 ~/Assignments (js-assignments)
$ git add script.js
fatal: pathspec 'script.js' did not match any files

Pratham@Pratham-STATION MINGW64 ~/Assignments (js-assignments)
$ git add script.js

Pratham@Pratham-STATION MINGW64 ~/Assignments (js-assignments)
$ git commit -m "script.js committed"
[js-assignments e94d184] script.js committed
1 file changed, 1 insertion(+)
create mode 100644 script.js

Pratham@Pratham-STATION MINGW64 ~/Assignments (js-assignments)
$ git add README.txt

Pratham@Pratham-STATION MINGW64 ~/Assignments (js-assignments)
$ git commit -m "update README.txt with minor changes in js-assignments branch"
[js-assignments d5bb3c6] update README.txt with minor changes in js-assignments
branch
1 file changed, 1 insertion(+), 1 deletion(-)

Pratham@Pratham-STATION MINGW64 ~/Assignments (js-assignments)
$ git checkout master
Switched to branch 'master'

Pratham@Pratham-STATION MINGW64 ~/Assignments (master)
$ git add README.txt

Pratham@Pratham-STATION MINGW64 ~/Assignments (master)
$ git commit -m "Update README.txt in MasteR"
[master 2cf9ef1] Update README.txt in MasteR
1 file changed, 1 insertion(+), 1 deletion(-)
```

9. Again switch to 'js-assignments' branch.
10. Make minor changes into few files belonging to 'js-assignments' branch.
11. Commit those changes.

```
Pratham@Pratham-STATION MINGW64 ~/Assignments (master)
$ git checkout js-assignments
Switched to branch 'js-assignments'

Pratham@Pratham-STATION MINGW64 ~/Assignments (js-assignments)
$ git add script.js

Pratham@Pratham-STATION MINGW64 ~/Assignments (js-assignments)
$ git commit -m "Update script.js in js-assignments branch:"
>
[js-assignments af2c887] Update script.js in js-assignments branch:
1 file changed, 1 insertion(+), 1 deletion(-)

Pratham@Pratham-STATION MINGW64 ~/Assignments (js-assignments)
$ git status
On branch js-assignments
nothing to commit, working tree clean
```

12. Switch to master.
13. Merge 'js-assignments' branch into master. Confirm all JavaScript assignments are shown in master.
14. Finally delete the 'js-assignments' branch.

```
Pratham@Pratham-STATION MINGW64 ~/Assignments (js-assignments)
$ git checkout master
Switched to branch 'master'

Pratham@Pratham-STATION 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.

Pratham@Pratham-STATION 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:   script.js

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

Pratham@Pratham-STATION MINGW64 ~/Assignments (master|MERGING)
$ vim README.txt

Pratham@Pratham-STATION MINGW64 ~/Assignments (master|MERGING)
$ git add README.txt

Pratham@Pratham-STATION MINGW64 ~/Assignments (master|MERGING)
$ git commit -m "Removed conflicts and Merged"
[master 2c36453] Removed conflicts and Merged

Pratham@Pratham-STATION MINGW64 ~/Assignments (master)
$ git branch --merged
  js-assignments
* master

Pratham@Pratham-STATION MINGW64 ~/Assignments (master)
$ git branch -d js-assignments
Deleted branch js-assignments (was af2c887).
```