


Section 3

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

1. Create a new branch 'js-assignments'.

 MINGW64:/c/Users/arul/assignments

```
Arul@LAPTOP-5PHUIBFM MINGW64 ~ (master)
$ cd assignments


Arul@LAPTOP-5PHUIBFM MINGW64 ~/assignments (master)
$ git init
Reinitialized existing Git repository in C:/Users/arul/assignments/.git/

Arul@LAPTOP-5PHUIBFM MINGW64 ~/assignments (master)
$ touch info.js

Arul@LAPTOP-5PHUIBFM MINGW64 ~/assignments (master)
$ git branch js-assignments

Arul@LAPTOP-5PHUIBFM MINGW64 ~/assignments (master)
$ git checkout js-assignments
Switched to 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'.

 MINGW64:/c/Users/arul/assignments

```
Arul@LAPTOP-5PHUIBFM MINGW64 ~/assignments (master)
$ git checkout js-assignments
Switched to branch 'js-assignments'

Arul@LAPTOP-5PHUIBFM MINGW64 ~/assignments (js-assignments)
$ git status
On branch js-assignments
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    info.js

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

Arul@LAPTOP-5PHUIBFM MINGW64 ~/assignments (js-assignments)
$ git add info.js

Arul@LAPTOP-5PHUIBFM MINGW64 ~/assignments (js-assignments)
$ git commit -m "Copied js file to js-assignments branch"
[js-assignments 542fcff] Copied js file to js-assignments branch
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 info.js
```

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

```
MINGW64:/c/Users/arul/assignments
Made changes to line 1 -> js-assignments
just copied all the html files back
Made changes in Line 3
~
~
~
~
```

6. Commit those changed files.

```
Aru1@LAPTOP-5PHUIBFM MINGW64 ~/assignments (js-assignments)
$ git add README.txt

Aru1@LAPTOP-5PHUIBFM MINGW64 ~/assignments (js-assignments)
$ git commit -m "Made change to README at line 1"
[js-assignments 271c0c5] Made change to README at line 1
1 file changed, 3 insertions(+), 2 deletions(-)
```


7. Switch to master branch.

```
MINGW64:/c/Users/arul/assignments

Aru1@LAPTOP-5PHUIBFM MINGW64 ~/assignments (js-assignments)
$ git checkout master
Switched to branch 'master'
```

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

changes into master.

 MINGW64:/c/Users/arul/assignments

```
Made change in Line 1 -> master branch
just copied all the html files back
Made changes in Line 3
```

```
Made changes in line 1
just copied all the html files back
~
~
```

```
Arul@LAPTOP-5PHUIBFM 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")

Arul@LAPTOP-5PHUIBFM MINGW64 ~/assignments (master)
$ git add README.txt

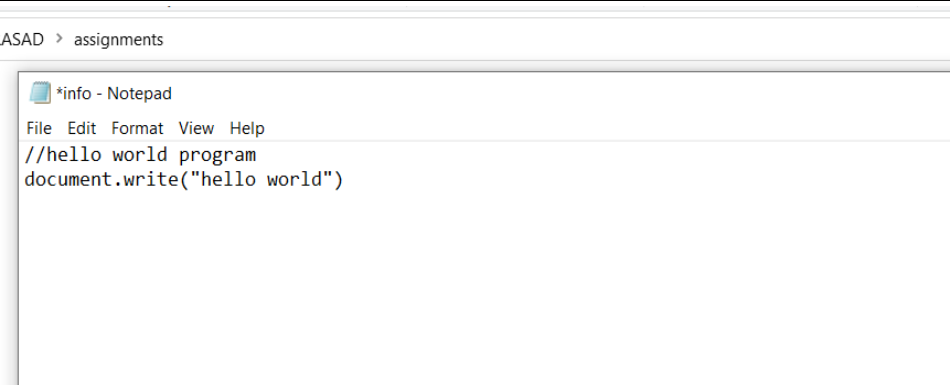
Arul@LAPTOP-5PHUIBFM MINGW64 ~/assignments (master)
$ git commit -m "committing changes made to README in master branch"
[master 9087434] committing changes made to README in master branch
1 file changed, 1 insertion(+)
```

9. Again switch to 'js-assignments' branch.

10. Make minor changes into few files belonging to 'js-assignments' branch.

```
Aru1@LAPTOP-5PHUIBFM MINGW64 ~/assignments (master)
$ git checkout js-assignments
Switched to branch 'js-assignments'

Aru1@LAPTOP-5PHUIBFM MINGW64 ~/assignments (js-assignments)
$ vim info.js
```



ASAD > assignments

*info - Notepad

File Edit Format View Help

//hello world program
document.write("hello world")

11. Commit those changes.

```
Aru1@LAPTOP-5PHUIBFM 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:   info.js

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

Aru1@LAPTOP-5PHUIBFM MINGW64 ~/assignments (js-assignments)
$ git add info.js

Aru1@LAPTOP-5PHUIBFM MINGW64 ~/assignments (js-assignments)
$ git commit -m "made changes to info.js file in js-assignments"
[js-assignments defea4c] made changes to info.js file in js-assignments
1 file changed, 2 insertions(+)
```

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.

```
Arul@LAPTOP-5PHUIBFM MINGW64 ~/assignments (js-assignments)
$ git checkout master
Switched to branch 'master'

Arul@LAPTOP-5PHUIBFM 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.

Arul@LAPTOP-5PHUIBFM MINGW64 ~/assignments (master|MERGING)
$ git branch -d js-assignments
error: The branch 'js-assignments' is not fully merged.
If you are sure you want to delete it, run 'git branch -D js-assignments'.

Arul@LAPTOP-5PHUIBFM MINGW64 ~/assignments (master|MERGING)
$ vim README.txt

Arul@LAPTOP-5PHUIBFM MINGW64 ~/assignments (master|MERGING)
$ git add README.txt

Arul@LAPTOP-5PHUIBFM MINGW64 ~/assignments (master|MERGING)
$ git commit -m
error: switch `m' requires a value

Arul@LAPTOP-5PHUIBFM MINGW64 ~/assignments (master|MERGING)
$ git commit -m "resolving merge conflicts in README.txt"
[master a612a10] resolving merge conflicts in README.txt

Arul@LAPTOP-5PHUIBFM MINGW64 ~/assignments (master)
$ git branch --merged
js-assignments
* master

Arul@LAPTOP-5PHUIBFM MINGW64 ~/assignments (master)
$ git branch -d js-assignments
Deleted branch js-assignments (was defea4c).
```

GIT REMOTING

Objective: Pushing source code into GITHUB & collaborate team members.

SECTION-3 (Pushing assignments to remote repository) - Steps to follow:

1. Create a github account if you do not have already.
2. Login on into github account.
3. Create new public repository freshersbatch oct 16
4. Commit & push any sample file to this repository under "Assignments" directory.

3. Create new public repository 'freshersbatch oct 16'.

MINGW64:/c/Users/arul/assignments

```
Arul@LAPTOP-5PHUIBFM MINGW64 ~/assignments (master)
$ git remote add origin https://github.com/arulrr99/section_3_repo.git

Arul@LAPTOP-5PHUIBFM MINGW64 ~/assignments (master)
$ git push -u origin master
Enumerating objects: 44, done.
Counting objects: 100% (44/44), done.
Delta compression using up to 12 threads
Compressing objects: 100% (40/40), done.
Writing objects: 100% (44/44), 4.46 KiB | 304.00 KiB/s, done.
Total 44 (delta 15), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (15/15), done.
To https://github.com/arulrr99/section_3_repo.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
```

4. Commit & push any sample file to this repository under "Assignments" directory.

All the files inside "assignments" are pushed inside the "section_3_repo" repository.

The screenshot shows the GitHub interface for the repository 'arulrr99 / section_3_repo'. The repository is public and has 1 branch (master) and 0 tags. The commit history shows 15 commits. The latest commit, 'arulrr99 resolving merge conflicts in README.txt', is highlighted. Below the commit history, the README.txt file is displayed, showing the following content:

```
Made change in Line 1 -> master branch

Made change in line Line 1 -> js-assignment

just copied all the html files back
Made changes in Line 3 -> css-assignments

Made changes in line 1 -> master branch
just copied all the html files back
```