**Git branching (JS)**

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 &amp; 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.

satya@SATYA MINGW64 /c/Assignments (master)

$ git checkout -b js-assignments

Switched to a new branch 'js-assignments'

satya@SATYA MINGW64 /c/Assignments (js-assignments)

$ git checkout README.txt

Updated 0 paths from the index

satya@SATYA MINGW64 /c/Assignments (js-assignments)

$ git status

On branch js-assignments

Unmerged paths:

(use "git restore --staged <file>..." to unstage)

(use "git add <file>..." to mark resolution)

both modified: README.txt

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

satya@SATYA MINGW64 /c/Assignments (js-assignments)

$ git add README.txt

satya@SATYA MINGW64 /c/Assignments (js-assignments)

$ git status

On branch js-assignments

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

modified: README.txt

satya@SATYA MINGW64 /c/Assignments (js-assignments)

$ git checkout master

Switched to branch 'master'

M README.txt

satya@SATYA MINGW64 /c/Assignments (master)

$ git status

On branch master

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

modified: README.txt

satya@SATYA MINGW64 /c/Assignments (master)

$ git status

On branch master

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

modified: README.txt

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

satya@SATYA MINGW64 /c/Assignments (master)

$ git add README.txt

satya@SATYA MINGW64 /c/Assignments (master)

$ git status

On branch master

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

modified: README.txt

satya@SATYA MINGW64 /c/Assignments (master)

$ git commit -m 'modified in master branch'

[master 1cc8937] modified in master branch

1 file changed, 9 insertions(+)

satya@SATYA MINGW64 /c/Assignments (master)

$ git checkout js-assignments

Switched to branch 'js-assignments'

satya@SATYA MINGW64 /c/Assignments (js-assignments)

$ fir status

bash: fir: command not found

satya@SATYA MINGW64 /c/Assignments (js-assignments)

$ git status

On branch js-assignments

nothing to commit, working tree clean

satya@SATYA MINGW64 /c/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")

satya@SATYA MINGW64 /c/Assignments (js-assignments)

$ git add README.txt

satya@SATYA MINGW64 /c/Assignments (js-assignments)

$ git status

On branch js-assignments

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

modified: README.txt

satya@SATYA MINGW64 /c/Assignments (js-assignments)

$ git commit -m ' new js assignment changes'

[js-assignments 1ba1a83] new js assignment changes

1 file changed, 1 insertion(+)

satya@SATYA MINGW64 /c/Assignments (js-assignments)

$ git log

commit 1ba1a832deac9daf2f14cc8e9dedeed0b5af84b7 (HEAD -> js-assignments)

Author: satya2405 <121710409033@gitam.in>

Date: Fri Oct 22 00:01:26 2021 +0530

new js assignment changes

commit fc9b719b388cf329be5f56cf40faabb9431c63f7

Author: satya2405 <121710409033@gitam.in>

Date: Thu Oct 21 23:25:15 2021 +0530

modified readme.txt in the master branch

commit ed07e7034ad41440c047677e8236f0d0bef46551

Author: satya2405 <121710409033@gitam.in>

Date: Thu Oct 21 22:08:40 2021 +0530

modified the readme.txt in master branch

commit 1fe4498d07903e57a5d42d172e09033a0bda161c

Author: satya2405 <121710409033@gitam.in>

Date: Thu Oct 21 22:00:58 2021 +0530

commiting README.txt

satya@SATYA MINGW64 /c/Assignments (js-assignments)

$ git checkout master

Switched to branch 'master'

satya@SATYA MINGW64 /c/Assignments (master)

$ git log

commit 1cc893793e59e03fc0b99d790ad8cffe1681e6fd (HEAD -> master)

Author: satya2405 <121710409033@gitam.in>

Date: Thu Oct 21 23:59:47 2021 +0530

modified in master branch

commit fc9b719b388cf329be5f56cf40faabb9431c63f7

Author: satya2405 <121710409033@gitam.in>

Date: Thu Oct 21 23:25:15 2021 +0530

modified readme.txt in the master branch

commit ed07e7034ad41440c047677e8236f0d0bef46551

Author: satya2405 <121710409033@gitam.in>

Date: Thu Oct 21 22:08:40 2021 +0530

modified the readme.txt in master branch

commit 1fe4498d07903e57a5d42d172e09033a0bda161c

Author: satya2405 <121710409033@gitam.in>

Date: Thu Oct 21 22:00:58 2021 +0530

commiting README.txt

satya@SATYA MINGW64 /c/Assignments (master)

$ git merge js-assignment

merge: js-assignment - not something we can merge

satya@SATYA MINGW64 /c/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.

satya@SATYA MINGW64 /c/Assignments (master|MERGING)

$ cd project dir

bash: cd: too many arguments

satya@SATYA MINGW64 /c/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)

Unmerged paths:

(use "git add <file>..." to mark resolution)

both modified: README.txt

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

satya@SATYA MINGW64 /c/Assignments (master|MERGING)

$ git add .

satya@SATYA MINGW64 /c/Assignments (master|MERGING)

$ git commit -m 'resolve merge conflict'

[master c76b96a] resolve merge conflict

satya@SATYA MINGW64 /c/Assignments (master)

$ git branch

js-assignments

\* master

satya@SATYA MINGW64 /c/Assignments (master)

$ git branch -d js-assignments

Deleted branch js-assignments (was 1ba1a83).