**GIT ASSIGNMENTS:**

Install GIT and make sure it is added into PATH

**SECTION:0**

1. Create a directory 'project dir' & cd to 'project dir'.

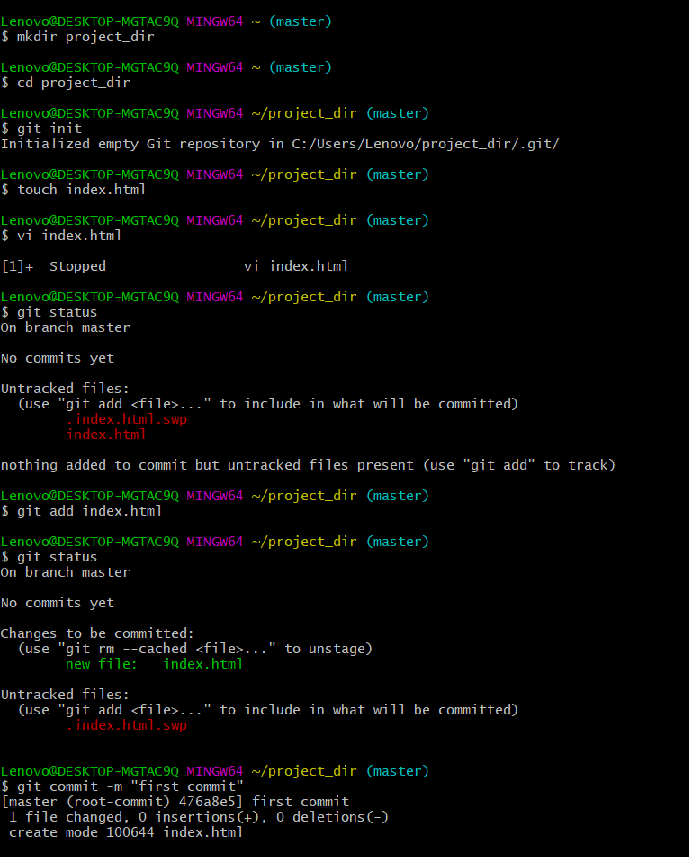
2. Initialize git version database. (git init)

3. Create a new file Index.html.

4. Check the git status. You should find index.html as untracked file.

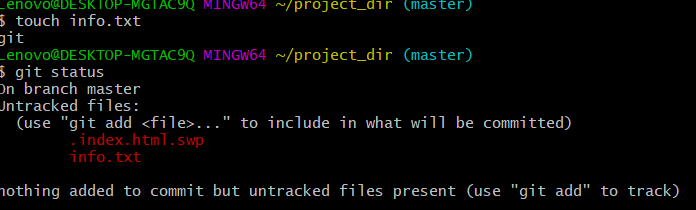
5. Stage the Index.html file.

6. Commit index.html

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7. Make few changes in index.html & create a new file info.txt file.

8. Check git status. You should find index.html & info.txt

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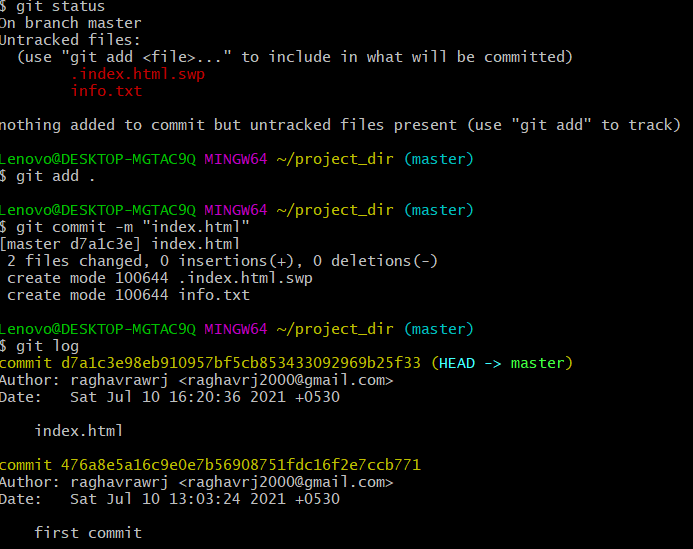
9. Configure GIT to ignore all txt files. untracked files.

10. Again check the git status. You should find only index.html as untracked

11. State & commit index.html

12. Log all your comments so far.

13. Make some changes in index.html.

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14. Revert the change made in the previous step using git command.

**git checkout –index.html**

15. Again change index.html.

16. Stage index.html

17. Revert back the last stage

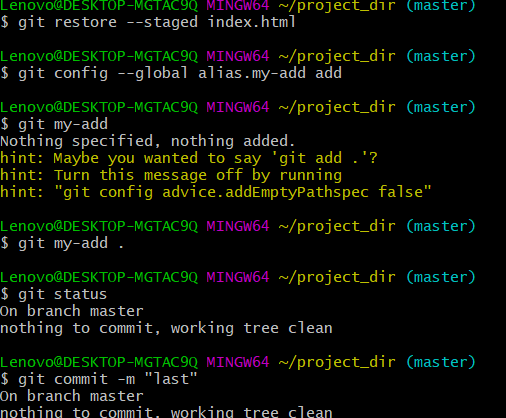
**git add .**

**git status**

**git restore --staged index.html**

18. Rename 'add' command to 'my-add'.

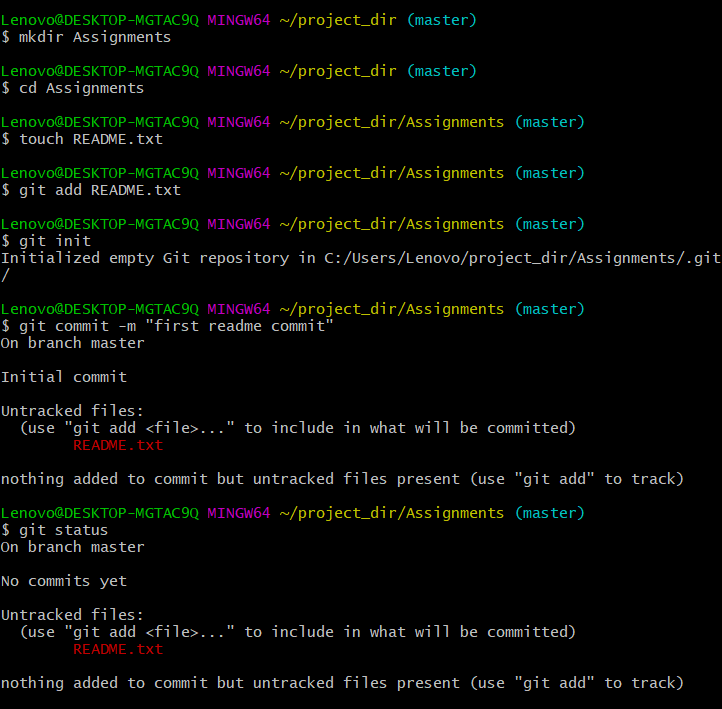
19. Using my add command Stage index.html again & commit the changes.

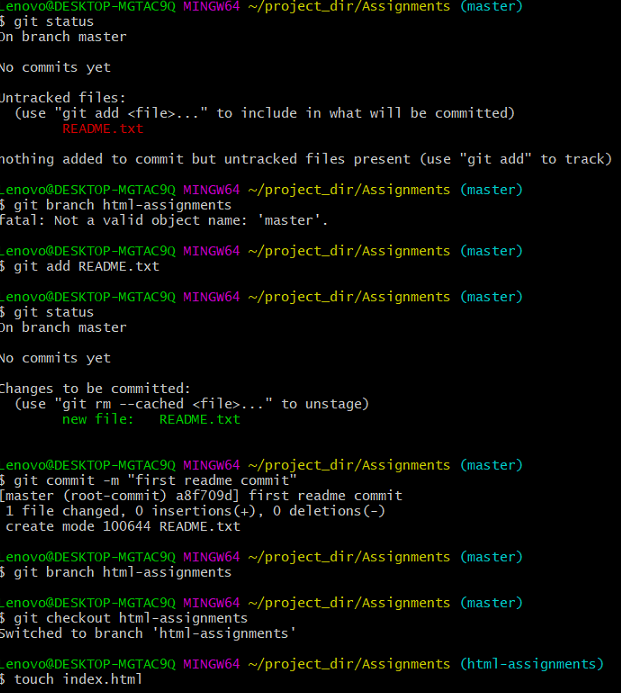
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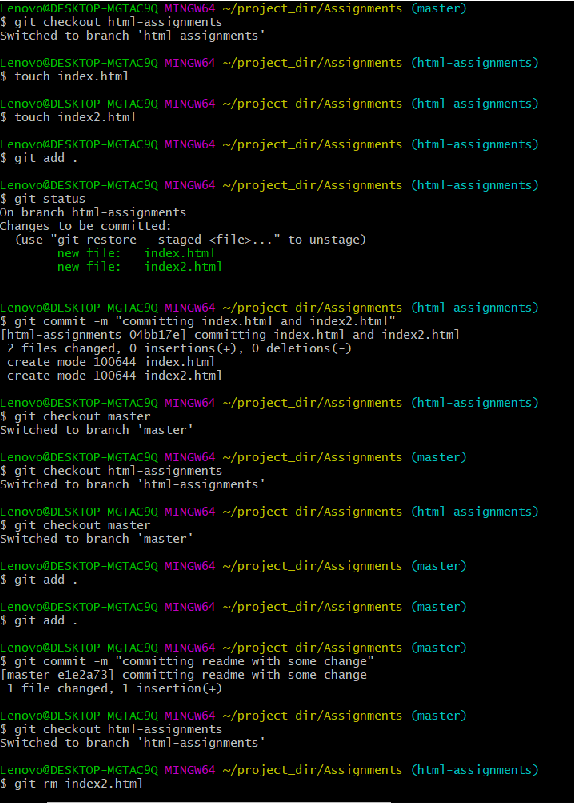
20. Revert the last commit.

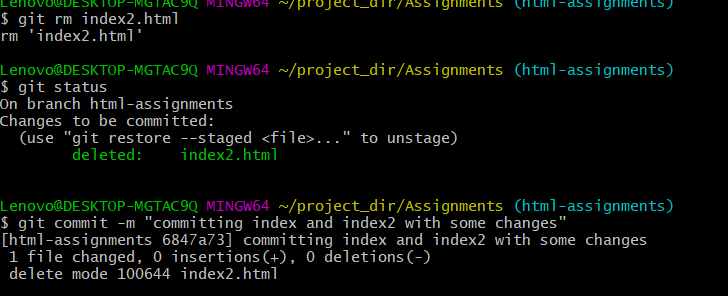
**git checkout - -**

**SECTION :1🡪 GIT BRANCHING:**





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**Lines of Code**

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir (master)

$ mkdir Assignments

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir (master)

$ cd Assignments

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir (master)

$ touch README.txt

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir (master)

$ git init

Initialized empty Git repository in C:/Users/Asus/test/Assignments/.git/

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (master)

$ git config --global user.name 'MuskaanSingh09'

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (master)

$ git config --global user.email 'singhmuskaan09@gmail.com'

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (master)

$ git add README.txt

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (master)

$ git commit -m 'Committed Readme.txt file'

[master (root-commit) e5f2127] Committed Readme.txt file

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 README.txt

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (master)

$ git branch html-assignments

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (master)

$ git checkout html-assignments

Switched to branch 'html-assignments'

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (html-assignments)

$ touch H1.html

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (html-assignments)

$ touch H2.html

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (html-assignments)

$ git add H1.html H2.html

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (html-assignments)

$ git commit -m 'H1 and H2 html assignments committed in html-assignments branch'

[html-assignments 62545ad] H1 and H2 html assignments committed in html-assignments branch

2 files changed, 0 insertions(+), 0 deletions(-)

create mode 100644 H1.html

create mode 100644 H2.html

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (html-assignments)

$ git checkout --

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (html-assignments)

$ git add H1.html

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (html-assignments)

$ git commit -m 'H1 html file changed commit'

On branch html-assignments

nothing to commit, working tree clean

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (html-assignments)

$ git checkout master

Switched to branch 'master'

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (master)

$ git add README.txt

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (master)

$ git commit -m 'Modified & committed README.txt'

On branch master

nothing to commit, working tree clean

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (master)

$ git checkout html-assignments

Switched to branch 'html-assignments'

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (html-assignments)

$ git add H1.html

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (html-assignments)

$ git commit -m 'H1.html file changed and committed'

On branch html-assignments

nothing to commit, working tree clean

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (html-assignments)

$ git add H2.html

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (html-assignments)

$ git commit -m 'H2.html file changed and committed'

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: H1.html

modified: H2.html

modified: README.txt

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

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (html-assignments)

$ git add H1.html

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (html-assignments)

$ git commit -m 'H1.html file changed and committed'

[html-assignments f249ba7] H1.html file changed and committed

1 file changed, 9 insertions(+)

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (html-assignments)

$ git add H2.html

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (html-assignments)

$ git commit -m 'H2.html file changed and committed'

[html-assignments 2c3b595] H2.html file changed and committed

1 file changed, 9 insertions(+)

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (html-assignments)

$ git checkout master

Switched to branch 'master'

M README.txt

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (master)

$ git merge html-assignments

Updating e5f2127..2c3b595

Fast-forward

H1.html | 9 +++++++++

H2.html | 9 +++++++++

2 files changed, 18 insertions(+)

create mode 100644 H1.html

create mode 100644 H2.html

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (master)

$ git branch -d html-assignments

Deleted branch html-assignments (was 2c3b595).

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/ project\_dir /Assignments (master)

$ git status

On branch master

Changes not staged for commit:

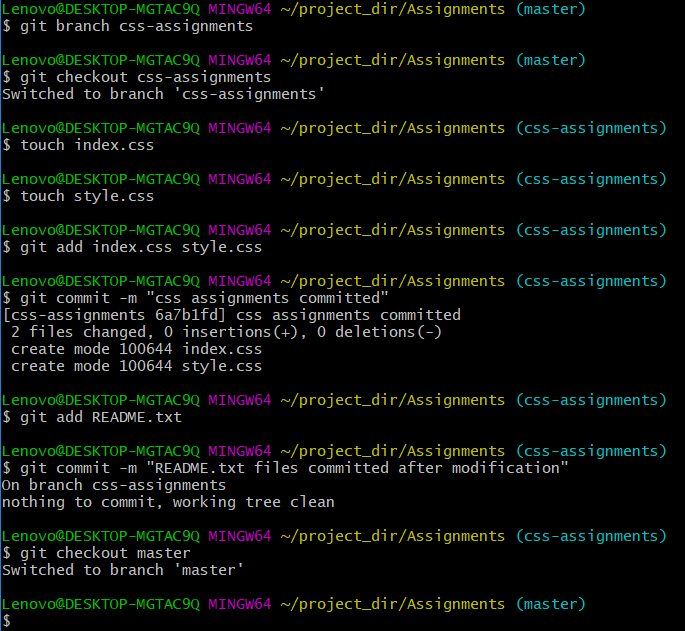
(use "git add <file>..." to update what will be committed)

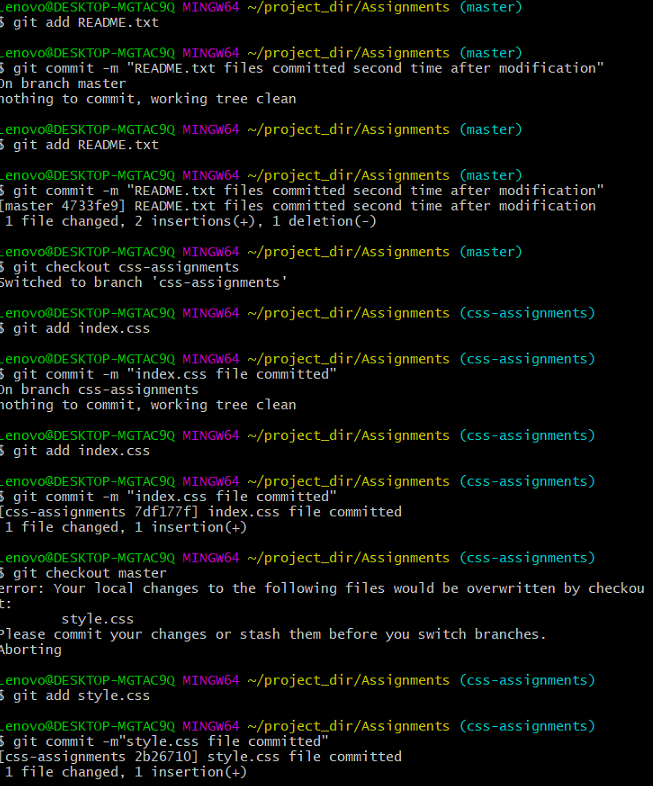
(use "git restore <file>..." to discard changes in working directory)

modified: README.txt

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

**SECTION:2🡪 CSS Assignments:**





Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (html-assignments)

$ git checkout master

Switched to branch 'master'

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (master)

$ git branch css-assignments

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (master)

$ git checkout css-assignments

Switched to branch 'css-assignments'

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (css-assignments)

$ touch index.css

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (css-assignments)

$ touch style.css

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (css-assignments)

$ git add index.css style.css

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (css-assignments)

$ git commit -m "css assignments committed"

[css-assignments 6a7b1fd] css assignments committed

2 files changed, 0 insertions(+), 0 deletions(-)

create mode 100644 index.css

create mode 100644 style.css

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (css-assignments)

$ git add README.txt

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (css-assignments)

$ git commit -m "README.txt files committed after modification"

On branch css-assignments

nothing to commit, working tree clean

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (css-assignments)

$ git checkout master

Switched to branch 'master'

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (master)

$ git add README.txt

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (master)

$ git commit -m "README.txt files committed second time after modification"

On branch master

nothing to commit, working tree clean

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (master)

$ git add README.txt

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (master)

$ git commit -m "README.txt files committed second time after modification"

[master 4733fe9] README.txt files committed second time after modification

1 file changed, 2 insertions(+), 1 deletion(-)

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (master)

$ git checkout css-assignments

Switched to branch 'css-assignments'

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (css-assignments)

$ git add index.css

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (css-assignments)

$ git commit -m "index.css file committed"

On branch css-assignments

nothing to commit, working tree clean

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (css-assignments)

$ git add index.css

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (css-assignments)

$ git commit -m "index.css file committed"

[css-assignments 7df177f] index.css file committed

1 file changed, 1 insertion(+)

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (css-assignments)

$ git checkout master

error: Your local changes to the following files would be overwritten by checkout:

style.css

Please commit your changes or stash them before you switch branches.

Aborting

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (css-assignments)

$ git add style.css

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (css-assignments)

$ git commit -m"style.css file committed"

[css-assignments 2b26710] style.css file committed

1 file changed, 1 insertion(+)

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (css-assignments)

$ git checkout master

Switched to branch 'master'

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (master)

$ git merge css-assignments

Merge made by the 'recursive' strategy.

index.css | 1 +

style.css | 1 +

2 files changed, 2 insertions(+)

create mode 100644 index.css

create mode 100644 style.css

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (master)

$ git branch -d css.assignments

error: branch 'css.assignments' not found.

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (master)

$ git branch -d css-assignments

Deleted branch css-assignments (was 2b26710).

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (master)

$

**SECTION:3🡪 JavaScript Assignments:**

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (master)

$ git branch js-assignments

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (master)

$ git checkout js-assignments

Switched to branch 'js-assignments'

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (js-assignments)

$ touch J1.js

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (js-assignments)

$ touch J2.js

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (js-assignments)

$ git add J1.js J2.js

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (js-assignments)

$ git commit -m "JS assignments committed"

[js-assignments e75b4ae] JS assignments committed

2 files changed, 0 insertions(+), 0 deletions(-)

create mode 100644 J1.js

create mode 100644 J2.js

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (js-assignments)

$ git add README.txt

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (js-assignments)

$ git commit -m "README.txt files gets committed"

On branch js-assignments

nothing to commit, working tree clean

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (js-assignments)

$ git add README.txt

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (js-assignments)

$ git commit -m "README.txt files gets committed"

[js-assignments afb68d0] README.txt files gets committed

1 file changed, 1 insertion(+)

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (js-assignments)

$ git status

On branch js-assignments

nothing to commit, working tree clean

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (js-assignments)

$ git checkout master

Switched to branch 'master'

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (master)

$ git add README.txt

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (master)

$ git commit -m "README.txt files gets committed for the 2nd time"

[master 81807e7] README.txt files gets committed for the 2nd time

1 file changed, 2 insertions(+)

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (master)

$ git checkout js-assignments

Switched to branch 'js-assignments'

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (js-assignments)

$ git add J1.js

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (js-assignments)

$ git commit -m "J1.js changes made"

[js-assignments 4dd01f5] J1.js changes made

1 file changed, 1 insertion(+)

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (js-assignments)

$ git add J2.js

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (js-assignments)

$ git commit -m "J2.js changes made"

[js-assignments e553ec2] J2.js changes made

1 file changed, 1 insertion(+)

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (js-assignments)

$ git checkout master

Switched to branch 'master'

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/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.

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/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'.

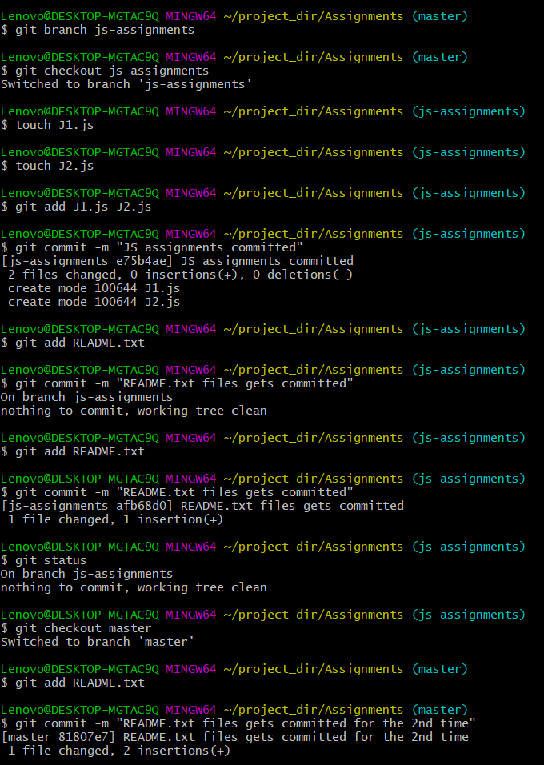
Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (master|MERGING)

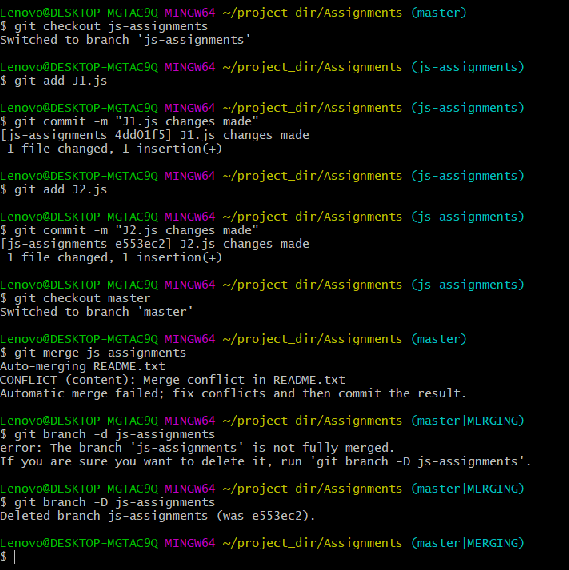
$ git branch -D js-assignments

Deleted branch js-assignments (was e553ec2).

Lenovo@DESKTOP-MGTAC9Q MINGW64 ~/project\_dir/Assignments (master|MERGING)

$

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**GIT REMOTING:**

**SECTION🡪3:**