**Git and Github Assignments**

**Section 0: Use GIT as local VCS**

shree@DESKTOP-9AQ0VFA MINGW64 ~

$ mkdie project\_dir

bash: mkdie: command not found

shree@DESKTOP-9AQ0VFA MINGW64 ~

$ mkdir project\_dir

shree@DESKTOP-9AQ0VFA MINGW64 ~

$ cd project\_dir

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir

$ git init

Initialized empty Git repository in C:/Users/shree/project\_dir/.git/

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (master)

$ touch index.html

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (master)

$ git status

On branch master

No commits yet

Untracked files:

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

index.html

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

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (master)

$ git add index.html

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (master)

$ git commit -m 'first commit index added'

[master (root-commit) a459979] first commit index added

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

create mode 100644 index.html

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (master)

$ vi index.html

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (master)

$ touch info.txt

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (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: index.html

Untracked files:

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

info.txt

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

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (master)

$ touch .gitignore

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (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: index.html

Untracked files:

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

.gitignore

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

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (master)

$ git add index.html

warning: LF will be replaced by CRLF in index.html.

The file will have its original line endings in your working directory

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (master)

$ git commit -m 'second commit additional change in index file'

[master 5acc15b] second commit additional change in index file

1 file changed, 1 insertion(+)

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (master)

$ git log

commit 5acc15bc9b290be1589915a644d80cdef5153d3e (HEAD -> master)

Author: Chetana-Nikam <chetanasangli@gmail.com>

Date: Fri Jul 30 08:37:03 2021 +0530

second commit additional change in index file

commit a45997944f3cc0c3b6278e34521190d9adda5b62

Author: Chetana-Nikam <chetanasangli@gmail.com>

Date: Fri Jul 30 08:26:12 2021 +0530

first commit index added

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (master)

$ vi index.html

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (master)

$ git checkout -- index.html

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (master)

$ vi index.html

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (master)

$ git add index.html

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (master)

$ git reset HEAD index.html

Unstaged changes after reset:

M index.html

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (master)

$ alias my\_app='git add'

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (master)

$ my-add index.html

bash: my-add: command not found

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (master)

$ alias my\_add='git add'

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (master)

$ my\_add index.html

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (master)

$ git commit -m 'updated index file'

[master 87c0ac0] updated index file

1 file changed, 2 insertions(+)

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (master)

$ git log

commit 87c0ac0111d9076e20231bea2747559546449645 (HEAD -> master)

Author: Chetana-Nikam <chetanasangli@gmail.com>

Date: Fri Jul 30 08:41:58 2021 +0530

updated index file

commit 5acc15bc9b290be1589915a644d80cdef5153d3e

Author: Chetana-Nikam <chetanasangli@gmail.com>

Date: Fri Jul 30 08:37:03 2021 +0530

second commit additional change in index file

commit a45997944f3cc0c3b6278e34521190d9adda5b62

Author: Chetana-Nikam <chetanasangli@gmail.com>

Date: Fri Jul 30 08:26:12 2021 +0530

first commit index added

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (master)

$ git reset --hard ^C

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (master)

$ ^C

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (master)

$ git reset --hard 5acc15bc9b290be1589915a644d80cdef5153d3e

HEAD is now at 5acc15b second commit additional change in index file

shree@DESKTOP-9AQ0VFA MINGW64 ~/project\_dir (master)

$ git log

commit 5acc15bc9b290be1589915a644d80cdef5153d3e (HEAD -> master)

Author: Chetana-Nikam <chetanasangli@gmail.com>

Date: Fri Jul 30 08:37:03 2021 +0530

second commit additional change in index file

commit a45997944f3cc0c3b6278e34521190d9adda5b62

Author: Chetana-Nikam <chetanasangli@gmail.com>

Date: Fri Jul 30 08:26:12 2021 +0530

first commit index added

**GIT Branching**

**Section 1: html assignments**

shree@DESKTOP-9AQ0VFA MINGW64 ~

$ mkdir Assignments

shree@DESKTOP-9AQ0VFA MINGW64 ~

$ cd Assignments

shree@DESKTOP-9AQ0VFA MINGW64 ~/Assignments

$ git init

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

shree@DESKTOP-9AQ0VFA MINGW64 ~/Assignments (master)

$ touch README.txt

shree@DESKTOP-9AQ0VFA MINGW64 ~/Assignments (master)

$ vi README.txt

shree@DESKTOP-9AQ0VFA MINGW64 ~/Assignments (master)

$ git add README.txt

warning: LF will be replaced by CRLF in README.txt.

The file will have its original line endings in your working directory

shree@DESKTOP-9AQ0VFA MINGW64 ~/Assignments (master)

$ git commit -m 'first commit added content in README file'

[master (root-commit) 7ac1c37] first commit added content in README file

1 file changed, 1 insertion(+)

create mode 100644 README.txt

shree@DESKTOP-9AQ0VFA MINGW64 ~/Assignments (master)

$ git branch html-assignments

shree@DESKTOP-9AQ0VFA MINGW64 ~/Assignments (master)

$ git checkout html-assignments

Switched to branch 'html-assignments'

shree@DESKTOP-9AQ0VFA MINGW64 ~/Assignments (html-assignments)

$ git add index.html

shree@DESKTOP-9AQ0VFA MINGW64 ~/Assignments (html-assignments)

$ git commit -m 'added index html file into assignment folder'

[html-assignments 20ad45a] added index html file into assignment folder

1 file changed, 1 insertion(+)

create mode 100644 index.html

shree@DESKTOP-9AQ0VFA MINGW64 ~/Assignments (html-assignments)

$ git checkout master

Switched to branch 'master'

shree@DESKTOP-9AQ0VFA MINGW64 ~/Assignments (master)

$ vi README.txt

shree@DESKTOP-9AQ0VFA MINGW64 ~/Assignments (master)

$ git add README.txt

warning: LF will be replaced by CRLF in README.txt.

The file will have its original line endings in your working directory

shree@DESKTOP-9AQ0VFA MINGW64 ~/Assignments (master)

$ git commit -m 'upadeted README file'

[master 6f9ce4a] upadeted README file

1 file changed, 1 insertion(+)

shree@DESKTOP-9AQ0VFA MINGW64 ~/Assignments (master)

$ git checkout html-assignments

Switched to branch 'html-assignments'

shree@DESKTOP-9AQ0VFA MINGW64 ~/Assignments (html-assignments)

$ vi index.html

shree@DESKTOP-9AQ0VFA MINGW64 ~/Assignments (html-assignments)

$ git add index.html

shree@DESKTOP-9AQ0VFA MINGW64 ~/Assignments (html-assignments)

$ git commit -m 'updated index file'

[html-assignments b9bbb2d] updated index file

1 file changed, 1 insertion(+)

shree@DESKTOP-9AQ0VFA MINGW64 ~/Assignments (html-assignments)

$ git checkout master

Switched to branch 'master'

shree@DESKTOP-9AQ0VFA MINGW64 ~/Assignments (master)

$ git merge html-assignments

Merge made by the 'recursive' strategy.

index.html | 2 ++

1 file changed, 2 insertions(+)

create mode 100644 index.html

shree@DESKTOP-9AQ0VFA MINGW64 ~/Assignments (master)

$ git status

On branch master

nothing to commit, working tree clean

shree@DESKTOP-9AQ0VFA MINGW64 ~/Assignments (master)

$ git branch --merged

html-assignments

\* master

shree@DESKTOP-9AQ0VFA MINGW64 ~/Assignments (master)

$ git branch -d htmk-assignments

error: branch 'htmk-assignments' not found.

shree@DESKTOP-9AQ0VFA MINGW64 ~/Assignments (master)

$ git branch -d html-assignments

Deleted branch html-assignments (was b9bbb2d).

**Section 2: css assignments**

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (master)

$ git branch css-assignments

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (master)

$ git checkout css-assignments

Switched to branch 'css-assignments'

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (css-assignments)

$ touch s1.css

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (css-assignments)

$ git add si.css

fatal: pathspec 'si.css' did not match any files

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (css-assignments)

$ git add s1.css

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (css-assignments)

$ git commit -m 'added css file'

[css-assignments 1007aca] added css file

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

create mode 100644 s1.css

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (css-assignments)

$ vi README.txt

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (css-assignments)

$ git add README.txt

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (css-assignments)

$ git commit -m 'minor changes in README file'

[css-assignments 158b537] minor changes in README file

1 file changed, 3 insertions(+)

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (css-assignments)

$ git checkout master

Switched to branch 'master'

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (master)

$ git merge css-assignments

Updating 343d3cc..158b537

Fast-forward

README.txt | 3 +++

s1.css | 0

2 files changed, 3 insertions(+)

create mode 100644 s1.css

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (master)

$ git branch -d css-assignments

Deleted branch css-assignments (was 158b537).

**Section 3: javascript assignments**

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (master)

$ git branch js-assignments

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (master)

$ git checkout js-assignments

Switched to branch 'js-assignments'

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (js-assignments)

$ touch j1.js

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (js-assignments)

$ git add j1.js

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (js-assignments)

$ git commit -m 'added javascript file into assignments'

[js-assignments 9a2d248] added javascript file into assignments

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

create mode 100644 j1.js

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (js-assignments)

$ vi README.txt

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (js-assignments)

$ git add README.txt

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (js-assignments)

$ git commit -m 'somes changes in README file'

[js-assignments b1238ae] somes changes in README file

1 file changed, 1 insertion(+)

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (js-assignments)

$ git checkout master

Switched to branch 'master'

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (master)

$ vi README.txt

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (master)

$ git add README.txt

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (master)

$ git commit -m 'minor changesin README'

[master f24ccf2] minor changesin README

1 file changed, 1 insertion(+)

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (master)

$ git checkout js-assignments

Switched to branch 'js-assignments'

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (js-assignments)

$ vi j1.js

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (js-assignments)

$ git add j1.js

warning: LF will be replaced by CRLF in j1.js.

The file will have its original line endings in your working directory

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (js-assignments)

$ git commit -m 'updated file j1'

[js-assignments 9831bae] updated file j1

1 file changed, 1 insertion(+)

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (js-assignments)

$ git checkout master

Switched to branch 'master'

shree@DESKTOP-9AQ0VFA 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.

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (master|MERGING)

$ vi README.txt

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (master|MERGING)

$ git add README.txt

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (master|MERGING)

$ git commit -m 'removed conflict'

[master 8d336c6] removed conflict

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (master)

$ git branch --merged

js-assignments

\* master

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (master)

$ git branch -d js-assignments

Deleted branch js-assignments (was 9831bae).

**Section 3: GIT Remoting**

**Pushing assignments to remote repository**

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (master)

$ git config --global user.username Chetana-Nikam

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (master)

$ git remote add origin https://github.com/Chetana-Nikam/freshersbatch-oct16.git

shree@DESKTOP-9AQ0VFA MINGW64 ~/assignments (master)

$ git push origin master

Enumerating objects: 37, done.

Counting objects: 100% (37/37), done.

Delta compression using up to 8 threads

Compressing objects: 100% (28/28), done.

Writing objects: 100% (37/37), 3.53 KiB | 361.00 KiB/s, done.

Total 37 (delta 7), reused 0 (delta 0), pack-reused 0

remote: Resolving deltas: 100% (7/7), done.

To https://github.com/Chetana-Nikam/freshersbatch-oct16.git

\* [new branch] master -> master