Git and github assignment

Section 0:use GIT as local VCS

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~

$ mkdir project\_dir

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~

$ cd project\_dir

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/project\_dir

$ git init

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

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/project\_dir (master)

$ touch index.html

Sarvesh@LAPTOP-8OF40RF8 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)

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/project\_dir (master)

$ git add index.html

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/project\_dir (master)

$ git commit -m "intial commit"

[master (root-commit) 1252651] intial commit

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

create mode 100644 index.html

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/project\_dir (master)

$ touch info.txt

Sarvesh@LAPTOP-8OF40RF8 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")

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/project\_dir (master)

$ touch .gitignore

Sarvesh@LAPTOP-8OF40RF8 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")

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/project\_dir (master)

$ git add index.html

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/project\_dir (master)

$ git commit -m "modified index.html"

[master e985604] modified index.html

1 file changed, 1 insertion(+)

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/project\_dir (master)

$ git log

commit e985604c2c7ec45047dd2c4fefe2ec20ce88cc90 (HEAD -> master)

Author: gitsamr <sumruddhishingare@gmail.com>

Date: Sat Jul 31 09:49:05 2021 +0530

modified index.html

commit 12526514f6b0bc41c2e5f958d72bde42342ab39d

Author: gitsamr <sumruddhishingare@gmail.com>

Date: Sat Jul 31 09:37:24 2021 +0530

intial commit

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/project\_dir (master)

$ git reset

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/project\_dir (master)

$ git reset

Unstaged changes after reset:

M index.html

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/project\_dir (master)

$ git add index.html

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/project\_dir (master)

$ git reset

Unstaged changes after reset:

M index.html

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/project\_dir (master)

$ git config --global alias.my-add add

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/project\_dir (master)

$ git my-add .

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/project\_dir (master)

$ git commit -m "renaming add command"

[master 63a38da] renaming add command

2 files changed, 4 insertions(+), 1 deletion(-)

create mode 100644 .gitignore

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/project\_dir (master)

$ git reset --soft HEAD~1

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/project\_dir (master)

$ git log

commit e985604c2c7ec45047dd2c4fefe2ec20ce88cc90 (HEAD -> master)

Author: gitsamr <sumruddhishingare@gmail.com>

Date: Sat Jul 31 09:49:05 2021 +0530

modified index.html

commit 12526514f6b0bc41c2e5f958d72bde42342ab39d

Author: gitsamr <sumruddhishingare@gmail.com>

Date: Sat Jul 31 09:37:24 2021 +0530

intial commit

**GIT branching**

**Section 1: html assignments**

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~

$ mkdir assignment

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~

$ cd assignment

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment

$ git init

Initialized empty Git repository in C:/Users/Sarvesh/assignment/.git/

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ touch README.txt

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git add README.txt

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git commit -m " added content in file README.txt"

[master (root-commit) a789597] added content in file README.txt

1 file changed, 1 insertion(+)

create mode 100644 README.txt

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git branch html-assignments

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git checkout html-assignments

Switched to branch 'html-assignments'

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (html-assignments)

$ git add index.html

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (html-assignments)

$ git commit -m "added index.html in assignment folder"

[html-assignments c2721b4] added index.html in assignment folder

1 file changed, 3 insertions(+)

create mode 100644 index.html

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (html-assignments)

$ git add index.html

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (html-assignments)

$ git commit -m "some changes in index.html"

[html-assignments f80bd0f] some changes in index.html

1 file changed, 1 insertion(+), 3 deletions(-)

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (html-assignments)

$ git checkout master

Switched to branch 'master'

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git add README.txt

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git commit -m "changes in README.txt"

[master 22e8bee] changes in README.txt

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

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git checkout html-assignments

Switched to branch 'html-assignments'

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (html-assignments)

$ git add index.html

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (html-assignments)

$ git commit -m "some changes in index.html file"

[html-assignments 40c349b] some changes in index.html file

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

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (html-assignments)

$ git checkout master

Switched to branch 'master'

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git merge html-assignments

Merge made by the 'recursive' strategy.

index.html | 2 ++

1 file changed, 2 insertions(+)

create mode 100644 index.html

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git status

On branch master

nothing to commit, working tree clean

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git branch --merged

html-assignments

\* master

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git branch -d html-assignments

Deleted branch html-assignments (was 40c349b).

**Section 2: css assignments**

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git branch css-assignments

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git checkout css-assignments

Switched to branch 'css-assignments'

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (css-assignments)

$ touch name.css

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (css-assignments)

$ git add name.css

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (css-assignments)

$ git commit -m "added file name.css"

[css-assignments 7b0d496] added file name.css

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

create mode 100644 name.css

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (css-assignments)

$ git add README.txt

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (css-assignments)

$ git commit -m "minor changes in README.txt"

[css-assignments c76235f] minor changes in README.txt

1 file changed, 1 insertion(+)

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (css-assignments)

$ git checkout master

Switched to branch 'master'

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git add README.txt

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git commit -m " change in file README.txt"

[master 5fe9ee7] change in file README.txt

1 file changed, 3 insertions(+), 1 deletion(-)

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git checkout css-assignments

Switched to branch 'css-assignments'

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (css-assignments)

$ git add name.css

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (css-assignments)

$ git commit -m "few changes in file name.css"

[css-assignments 91190b5] few changes in file name.css

1 file changed, 1 insertion(+)

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (css-assignments)

$ git checkout master

Switched to branch 'master'

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git merge css-assignments

Auto-merging README.txt

Merge made by the 'recursive' strategy.

README.txt | 1 +

name.css | 1 +

2 files changed, 2 insertions(+)

create mode 100644 name.css

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git branch -d css-assignments

Deleted branch css-assignments (was 91190b5).

**Section 3: javascript assignment**

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git branch js-assignments

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git checkout js-assignments

Switched to branch 'js-assignments'

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (js-assignments)

$ touch java.js

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (js-assignments)

$ git add java.js

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (js-assignments)

$ git commit -m "added one file java.js"

[js-assignments 0fcc575] added one file java.js

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

create mode 100644 java.js

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (js-assignments)

$ git add README.txt

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (js-assignments)

$ git commit -m "some changes in README.txt"

[js-assignments 7afee09] some changes in README.txt

1 file changed, 1 insertion(+)

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (js-assignments)

$ git checkout master

Switched to branch 'master'

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git add README.txt

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git commit -m

error: switch `m' requires a value

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git commit -m "again changes in README.txt"

[master a31c2d4] again changes in README.txt

1 file changed, 1 insertion(+)

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git checkout js-assignments

Switched to branch 'js-assignments'

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (js-assignments)

$ git add java.js

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (js-assignments)

$ git commit -m "changes in file java.js"

[js-assignments 77607fa] changes in file java.js

1 file changed, 1 insertion(+)

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (js-assignments)

$ git checkout master

Switched to branch 'master'

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (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.

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master|MERGING)

$ vim README.txt

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master|MERGING)

$ git add README.txt

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master|MERGING)

$ git commit -m "removed conflict"

[master 136bddf] removed conflict

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git branch --merged

js-assignments

\* master

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git branch -d js-assignments

Deleted branch js-assignments (was 77607fa).

**Section3:GIT remoting**

**Pushing assignments to remote repository**

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git config --global user.username gitsamr

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git remote add origin https://github.com/gitsamr/freshers-batch-oct16.git

Sarvesh@LAPTOP-8OF40RF8 MINGW64 ~/assignment (master)

$ git push origin master

Enumerating objects: 46, done.

Counting objects: 100% (46/46), done.

Delta compression using up to 8 threads

Compressing objects: 100% (35/35), done.

Writing objects: 100% (46/46), 4.58 KiB | 180.00 KiB/s, done.

Total 46 (delta 7), reused 0 (delta 0), pack-reused 0

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

To https://github.com/gitsamr/freshers-batch-oct16.git

\* [new branch] master -> master

