**Git and Github Assignment**

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

AMRUTA@ASUS MINGW64 ~

$ mkdir project\_dir1

AMRUTA@ASUS MINGW64 ~

$ cd project\_dir1

AMRUTA@ASUS MINGW64 ~/project\_dir1

$ git init

Initialized empty Git repository in C:/Users/ABC/project\_dir1/.git/

AMRUTA@ASUS MINGW64 ~/project\_dir1 (master)

$ touch index.html

AMRUTA@ASUS MINGW64 ~/project\_dir1 (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)

AMRUTA@ASUS MINGW64 ~/project\_dir1 (master)

$ add index.html

bash: add: command not found

AMRUTA@ASUS MINGW64 ~/project\_dir1 (master)

$ git add index.html

AMRUTA@ASUS MINGW64 ~/project\_dir1 (master)

$ git commit -m "created index.html"

[master (root-commit) 2e6d86b] created index.html

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

create mode 100644 index.html

AMRUTA@ASUS MINGW64 ~/project\_dir1 (master)

$ touch info.txt

AMRUTA@ASUS MINGW64 ~/project\_dir1 (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")

AMRUTA@ASUS MINGW64 ~/project\_dir1 (master)

$ touch .gitignore

AMRUTA@ASUS MINGW64 ~/project\_dir1 (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")

AMRUTA@ASUS MINGW64 ~/project\_dir1 (master)

$ git add index.html

AMRUTA@ASUS MINGW64 ~/project\_dir1 (master)

$ git commit -m "adding index.html"

[master ab6fee5] adding index.html

1 file changed, 8 insertions(+)

AMRUTA@ASUS MINGW64 ~/project\_dir1 (master)

$ git log

commit ab6fee57dfbf70d29556e7aa876d933a37213d59 (HEAD -> master)

Author: Amruta Patil <pamruta8712@gmail.com>

Date: Thu Jul 29 14:43:41 2021 +0530

adding index.html

commit 2e6d86b7c1b450a7a34df76b1c48b1b495885ee4

Author: Amruta Patil <pamruta8712@gmail.com>

Date: Thu Jul 29 14:36:22 2021 +0530

created index.html

AMRUTA@ASUS MINGW64 ~/project\_dir1 (master)

$ git checkout -- index.html

AMRUTA@ASUS MINGW64 ~/project\_dir1 (master)

$ git add index.html

AMRUTA@ASUS MINGW64 ~/project\_dir1 (master)

$ git reset HEAD index.html

Unstaged changes after reset:

M index.html

AMRUTA@ASUS MINGW64 ~/project\_dir1 (master)

$ alias my\_add="git add"

AMRUTA@ASUS MINGW64 ~/project\_dir1 (master)

$ my\_add index.html

AMRUTA@ASUS MINGW64 ~/project\_dir1 (master)

$ git commit -m "commiting the change in index.html"

[master 8604617] commiting the change in index.html

1 file changed, 1 insertion(+)

AMRUTA@ASUS MINGW64 ~/project\_dir1 (master)

$ git log

commit 860461785c6ec76e75945ad17c1623b9ad0ca99a (HEAD -> master)

Author: Amruta Patil <pamruta8712@gmail.com>

Date: Thu Jul 29 14:48:12 2021 +0530

commiting the change in index.html

commit ab6fee57dfbf70d29556e7aa876d933a37213d59

Author: Amruta Patil <pamruta8712@gmail.com>

Date: Thu Jul 29 14:43:41 2021 +0530

adding index.html

commit 2e6d86b7c1b450a7a34df76b1c48b1b495885ee4

Author: Amruta Patil <pamruta8712@gmail.com>

Date: Thu Jul 29 14:36:22 2021 +0530

created index.html

AMRUTA@ASUS MINGW64 ~/project\_dir1 (master)

$ git reset --hard 860461785c6ec76e75945ad17c1623b9ad0ca99a

HEAD is now at 8604617 commiting the change in index.html

AMRUTA@ASUS MINGW64 ~/project\_dir1 (master)

$ git log

commit 860461785c6ec76e75945ad17c1623b9ad0ca99a (HEAD -> master)

Author: Amruta Patil <pamruta8712@gmail.com>

Date: Thu Jul 29 14:48:12 2021 +0530

commiting the change in index.html

commit ab6fee57dfbf70d29556e7aa876d933a37213d59

Author: Amruta Patil <pamruta8712@gmail.com>

Date: Thu Jul 29 14:43:41 2021 +0530

adding index.html

commit 2e6d86b7c1b450a7a34df76b1c48b1b495885ee4

Author: Amruta Patil <pamruta8712@gmail.com>

Date: Thu Jul 29 14:36:22 2021 +0530

created index.html

AMRUTA@ASUS MINGW64 ~/project\_dir1 (master)

$ git reset --hard ab6fee57dfbf70d29556e7aa876d933a37213d59

HEAD is now at ab6fee5 adding index.html

AMRUTA@ASUS MINGW64 ~/project\_dir1 (master)

$ git log

commit ab6fee57dfbf70d29556e7aa876d933a37213d59 (HEAD -> master)

Author: Amruta Patil <pamruta8712@gmail.com>

Date: Thu Jul 29 14:43:41 2021 +0530

adding index.html

commit 2e6d86b7c1b450a7a34df76b1c48b1b495885ee4

Author: Amruta Patil <pamruta8712@gmail.com>

Date: Thu Jul 29 14:36:22 2021 +0530

created index.html

**GIT Branching**

**Section 1-** html assignments

AMRUTA@ASUS MINGW64 ~

$ mkdir Assignments

AMRUTA@ASUS MINGW64 ~

$ cd Assignments

AMRUTA@ASUS MINGW64 ~/Assignments

$ git init

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

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ touch README.txt

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git add README.txt

AMRUTA@ASUS MINGW64 ~/Assignments (master)

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

[master (root-commit) 2a05710] added README.txt file

1 file changed, 3 insertions(+)

create mode 100644 README.txt

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git branch html-assignment

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git checkout html-assignment

Switched to branch 'html-assignment'

AMRUTA@ASUS MINGW64 ~/Assignments (html-assignment)

$ git add index.html

AMRUTA@ASUS MINGW64 ~/Assignments (html-assignment)

$ git commit -m "adding index.html to html-assignment"

[html-assignment 759429c] adding index.html to html-assignment

1 file changed, 8 insertions(+)

create mode 100644 index.html

AMRUTA@ASUS MINGW64 ~/Assignments (html-assignment)

$ git add index.html

AMRUTA@ASUS MINGW64 ~/Assignments (html-assignment)

$ git commit -m "made some changes to index"

[html-assignment 366f4d6] made some changes to index

1 file changed, 1 insertion(+)

AMRUTA@ASUS MINGW64 ~/Assignments (html-assignment)

$ git checkout master

Switched to branch 'master'

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git add README.txt

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git commit -m "made some changes to readme in master"

[master 4b8fedc] made some changes to readme in master

1 file changed, 1 insertion(+)

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git checkout html-assignment

Switched to branch 'html-assignment'

AMRUTA@ASUS MINGW64 ~/Assignments (html-assignment)

$ git add index.html

AMRUTA@ASUS MINGW64 ~/Assignments (html-assignment)

$ git commit -m "made minor change in idex.html"

[html-assignment 9a75e2a] made minor change in idex.html

1 file changed, 1 insertion(+)

AMRUTA@ASUS MINGW64 ~/Assignments (html-assignment)

$ git checkout master

Switched to branch 'master'

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git merge html-assignment

Merge made by the 'recursive' strategy.

index.html | 10 ++++++++++

1 file changed, 10 insertions(+)

create mode 100644 index.html

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git status

On branch master

nothing to commit, working tree clean

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git branch --merged

html-assignment

\* master

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git branch -d html-assignment

Deleted branch html-assignment (was 9a75e2a).

**Section 2:** CSS assignments

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git branch css-assignment

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git checkout css-assignment

Switched to branch 'css-assignment'

AMRUTA@ASUS MINGW64 ~/Assignments (css-assignment)

$ git add sample3.css

warning: LF will be replaced by CRLF in sample3.css.

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

AMRUTA@ASUS MINGW64 ~/Assignments (css-assignment)

$ git commit -m "sample3.css added in css-assignment"

[css-assignment a7e82e8] sample3.css added in css-assignment

1 file changed, 43 insertions(+)

create mode 100644 sample3.css

AMRUTA@ASUS MINGW64 ~/Assignments (css-assignment)

$ git add README.txt

AMRUTA@ASUS MINGW64 ~/Assignments (css-assignment)

$ git commit -m "made some changes to line 1 of readme"

[css-assignment d06c43d] made some changes to line 1 of readme

1 file changed, 1 insertion(+), 1 deletion(-)

AMRUTA@ASUS MINGW64 ~/Assignments (css-assignment)

$ git checkout master

Switched to branch 'master'

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git add README.txt

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git commit -m "made change to line 3 of readme"

[master bbfdc31] made change to line 3 of readme

1 file changed, 1 insertion(+), 1 deletion(-)

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git checkout css-assignment

Switched to branch 'css-assignment'

AMRUTA@ASUS MINGW64 ~/Assignments (css-assignment)

$ git add sample3.css

AMRUTA@ASUS MINGW64 ~/Assignments (css-assignment)

$ git commit -m "made change to sample3.css"

[css-assignment 3678653] made change to sample3.css

1 file changed, 5 insertions(+), 4 deletions(-)

AMRUTA@ASUS MINGW64 ~/Assignments (css-assignment)

$ git checkout master

Switched to branch 'master'

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git merge css-assignment

Auto-merging README.txt

Merge made by the 'recursive' strategy.

README.txt | 2 +-

sample3.css | 44 ++++++++++++++++++++++++++++++++++++++++++++

2 files changed, 45 insertions(+), 1 deletion(-)

create mode 100644 sample3.css

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git branch -d css-assignment

Deleted branch css-assignment (was 3678653).

**Section 3-** javascript assignment

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git branch js-assignment

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git checkout js-assignment

Switched to branch 'js-assignment'

AMRUTA@ASUS MINGW64 ~/Assignments (js-assignment)

$ git add app.js

AMRUTA@ASUS MINGW64 ~/Assignments (js-assignment)

$ git commit -m "app.js added to js-assignment"

[js-assignment 81a58ea] app.js added to js-assignment

1 file changed, 1 insertion(+)

create mode 100644 app.js

AMRUTA@ASUS MINGW64 ~/Assignments (js-assignment)

$ git add README.txt

AMRUTA@ASUS MINGW64 ~/Assignments (js-assignment)

$ git commit -m "changes made to line 1 of readme in js-assignment"

[js-assignment 81382ef] changes made to line 1 of readme in js-assignment

1 file changed, 1 insertion(+), 1 deletion(-)

AMRUTA@ASUS MINGW64 ~/Assignments (js-assignment)

$ git checkout master

Switched to branch 'master'

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git add README.txt

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git commit -m "chnaged line 1 of readme in master"

[master 9eebfe3] chnaged line 1 of readme in master

1 file changed, 1 insertion(+), 1 deletion(-)

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git checkout js-assignment

Switched to branch 'js-assignment'

AMRUTA@ASUS MINGW64 ~/Assignments (js-assignment)

$ git add app.js

AMRUTA@ASUS MINGW64 ~/Assignments (js-assignment)

$ git commit -m "app.js changed in js"

[js-assignment cae7165] app.js changed in js

1 file changed, 1 insertion(+)

AMRUTA@ASUS MINGW64 ~/Assignments (js-assignment)

$ git checkout master

Switched to branch 'master'

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git merge js-assignment

Auto-merging README.txt

CONFLICT (content): Merge conflict in README.txt

Automatic merge failed; fix conflicts and then commit the result.

AMRUTA@ASUS MINGW64 ~/Assignments (master|MERGING)

$ git add README.txt

AMRUTA@ASUS MINGW64 ~/Assignments (master|MERGING)

$ git commit -m "fixed merge conflict"

[master 41acc0c] fixed merge conflict

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git branch --merged

js-assignment

\* master

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git branch -d js-assignment

Deleted branch js-assignment (was cae7165).

**GIT Remoting**

**Section 4-** Pushing assignment to remote repository

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git config -- global user.username amruta8712

error: key does not contain a section: global

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git config -- global user.username amruta8712

error: key does not contain a section: global

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git config --global user.username amruta8712

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git remote add origin https://github.com/amruta8712/freshersbatch-oct16.git

AMRUTA@ASUS MINGW64 ~/Assignments (master)

$ git push origin master

Enumerating objects: 47, done.

Counting objects: 100% (47/47), done.

Delta compression using up to 4 threads

Compressing objects: 100% (44/44), done.

Writing objects: 100% (47/47), 5.23 KiB | 535.00 KiB/s, done.

Total 47 (delta 13), reused 0 (delta 0), pack-reused 0

remote: Resolving deltas: 100% (13/13), done.

To https://github.com/amruta8712/freshersbatch-oct16.git

\* [new branch] master -> master