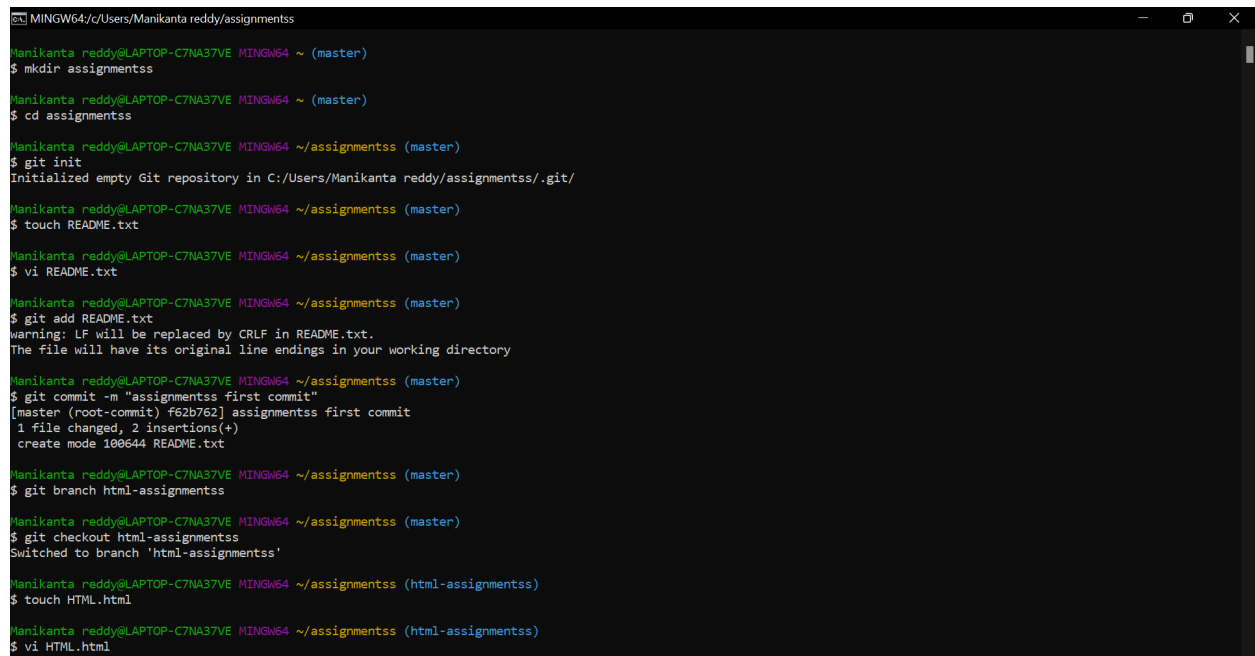


Name :Kovvuri venkata satya manikanta reddy

## GIT Branching Objective SECTION-1 (HTML assignments)

Steps to follow:

21. First take a backup of your assignments & projects. This is required because due to incorrect GIT operation you may lose your files.
22. Create an empty directory 'Assignments' & cd to 'Assignments'.
23. Create a file README.txt inside 'Assignments' & write few lines about the contents of 'Assignments' folder.
24. Commit README.txt file.
25. Now create a new branch 'html-assignments'.
26. Switch to 'html-assignments' branch.
27. Copy all HTML assignments inside 'Assignments' folder.
28. Commit HTML assignments into 'html-assignments' branch.
29. Make minor changes into few files belonging to 'html-assignments' branch.
30. Commit those changed files.
31. Switch to master branch.
32. Make minor changes into README.txt file & commit those changes into master.
33. Again switch to 'html-assignments' branch.
34. Make minor changes into few files belonging to 'html-assignments' branch.
35. Commit those changes.
36. Switch to master.
37. Merge 'html-assignments' branch into master. Confirm all html assignments are shown in master.
38. Finally delete the 'html-assignments' branch.



```
Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~ (master)
$ mkdir assignmentss

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~ (master)
$ cd assignmentss

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git init
Initialized empty Git repository in C:/Users/Manikanta reddy/assignmentss/.git/

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ touch README.txt

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ vi README.txt

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (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

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git commit -m "assignmentss first commit"
[master (root-commit) f62b762] assignmentss first commit
1 file changed, 2 insertions(+)
create mode 100644 README.txt

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git branch html-assignmentss

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git checkout html-assignmentss
Switched to branch 'html-assignmentss'

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (html-assignmentss)
$ touch HTML.html

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (html-assignmentss)
$ vi HTML.html
```

```

Select MINGW64/c/Users/Manikanta reddy/assignmentss

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (html-assignmentss)
$ cp HTML.html assignmentss

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (html-assignmentss)
$ git add
warning: LF will be replaced by CRLF in HTML.html.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in assignmentss.
The file will have its original line endings in your working directory

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (html-assignmentss)
$ git commit -m "second commit"
[html-assignmentss ed295d1] second commit
2 files changed, 2 insertions(+)
create mode 100644 HTML.html
create mode 100644 assignmentss

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (html-assignmentss)
$ vi HTML.html

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (html-assignmentss)
$ git add .
warning: LF will be replaced by CRLF in HTML.html.
The file will have its original line endings in your working directory

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (html-assignmentss)
$ git commit -m "third commit"
[html-assignmentss c381b34] third commit
1 file changed, 1 insertion(+), 1 deletion(-)

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (html-assignmentss)
$ git checkout master
Switched to branch 'master'

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ vi README.txt

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git add .

```

```

Select MINGW64/c/Users/Manikanta reddy/assignmentss

warning: LF will be replaced by CRLF in README.txt.
The file will have its original line endings in your working directory

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git commit -m "fourth commit changed in readme file"
[master c17d725] fourth commit changed in readme file
1 file changed, 2 insertions(+), 1 deletion(-)

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git checkout html-assignmentss
Switched to branch 'html-assignmentss'

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (html-assignmentss)
$ vi HTML.html

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (html-assignmentss)
$ git add .

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (html-assignmentss)
$ git commit -m "change to html assignmentss file"
[html-assignmentss 79d9874] change to html assignmentss file
1 file changed, 2 insertions(+), 1 deletion(-)

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (html-assignmentss)
$ git checkout master
Switched to branch 'master'

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git merge html-assignmentss
Merge made by the 'ort' strategy.
 HTML.html | 2 ++
 assignmentss | 1 +
 2 files changed, 3 insertions(+)
 create mode 100644 HTML.html
 create mode 100644 assignmentss

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git branch -d html-assignmentss
Deleted branch html-assignmentss (was 79d9874).

```

## SECTION-2 - (CSS assignments) Steps to follow:

1. Create a new branch 'css-assignments'.
2. Switch to 'css-assignments' branch.
3. Copy all CSS assignments inside 'Assignments' folder.
4. Commit CSS assignments into 'css-assignments' branch.
5. Make minor changes into README.txt file on line 1 belonging to 'css-assignments' branch.
6. Commit those changed files.
7. Switch to master branch.
8. Make minor changes into README.txt file on line 3 & commit those changes into master.
9. Again switch to 'css-assignments' branch.
10. Make minor changes into few files belonging to 'css-assignments' branch.
11. Commit those changes.
12. Switch to master.
13. Merge 'css-assignments' branch into master. Confirm all css assignments are shown in master.
14. Finally delete the 'css-assignments' branch.

```
manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git branch css-assignments

manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git checkout css-assignments
Switched to branch 'css-assignments'

manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (css-assignments)
$ touch cat.css

manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (css-assignments)
$ vi cat.css

manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (css-assignments)
$ cp cat.css assignmentss

manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (css-assignments)
$ git add .
warning: LF will be replaced by CRLF in assignmentss.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in cat.css.
The file will have its original line endings in your working directory

manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (css-assignments)
$ git commit -m "copied cat.css to assignmentss"
[css-assignments 881420f] copied cat.css to assignmentss
2 files changed, 2 insertions(+), 1 deletion(-)
create mode 100644 cat.css

manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (css-assignments)
$ vi README.txt

manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (css-assignments)
$ git add .

manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (css-assignments)
$ git commit -m "minor changes in readme.txt"
[css-assignments d5552c6] minor changes in readme.txt
1 file changed, 1 insertion(+), 1 deletion(-)

manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (css-assignments)
$ git checkout master
Switched to branch 'master'

manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ vi README.txt

manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
```

```
Select MINGW64/c/Users/Manikanta reddy/assignmentss
$ vi README.txt
Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git add .
Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git commit -m "minor changes in readme.txt"
[master 2b26dd5] minor changes in readme.txt
1 file changed, 1 insertion(+), 1 deletion(-)
Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git checkout css-assignments
Switched to branch 'css-assignments'
Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (css-assignments)
$ vi cat.css
Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (css-assignments)
$ git add .
Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (css-assignments)
$ git commit -m "changes has done to .css"
[css-assignments 84d7826] changes has done to .css
1 file changed, 1 insertion(+), 1 deletion(-)
Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (css-assignments)
$ git checkout master
Switched to branch 'master'
Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git merge css-assignments
Auto-merging README.txt
CONFLICT (content): Merge conflict in README.txt
Automatic merge failed; fix conflicts and then commit the result.
Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master|MERGING)
$ cat README.txt
hi how are u ?
this is my readee files
<<<<<< HEAD
that about igjjgjjgjt
=====
that about ijgjljslk
>>>>>> css-assignments
Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master|MERGING)
$ git add.
git: 'add.' is not a git command. See 'git --help'.
Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master|MERGING)
$ git add .
Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master|MERGING)
$ git commit -m "edited readme.txt file"
[master c7aa527] edited readme.txt file
Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git merge css-assignments
Already up to date.
Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git branch --merged
css-assignments
* master
Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git branch -d css-assignments
Deleted branch css-assignments (was 84d7826).
Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$
```

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 & 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.

```
Manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git branch js-assignments

Manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git checkout js-assignments
Switched to branch 'js-assignments'

Manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (js-assignments)
$ touch dog.js

Manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (js-assignments)
$ vi dod.js

Manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (js-assignments)
$ cp dog.js assignmentss

Manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (js-assignments)
$ git add .
warning: LF will be replaced by CRLF in dod.js.
The file will have its original line endings in your working directory
Manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (js-assignments)
$ git commit -m "js assignment commit"
[js-assignments 39ac33c] js assignment commit
3 files changed, 1 insertion(+), 1 deletion(-)
create mode 100644 dod.js
create mode 100644 dog.js

Manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (js-assignments)
$ vi README.txt

Manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (js-assignments)
$ git add .

Manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (js-assignments)
$ git commit -m "minor changes in readme.txt"
[js-assignments 018f109] minor changes in readme.txt
1 file changed, 2 insertions(+), 2 deletions(-)

Manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (js-assignments)
$ git checkout master
Switched to branch 'master'

Manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ vi README.txt

Manikanta_reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git add .
```

```

Select MINGW64/c/Users/Manikanta reddy/assignmentss

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git commit -m "minor change in readme.txt"
[master 6b1c42f] minor change in readme.txt
1 file changed, 1 insertion(+), 1 deletion(-)

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git checkout js-assignments
Switched to branch 'js-assignments'

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (js-assignments)
$ vi dog.js

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (js-assignments)
$ git add .
warning: LF will be replaced by CRLF in dog.js.
The file will have its original line endings in your working directory

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (js-assignments)
$ git checkout master
error: Your local changes to the following files would be overwritten by checkout:
    dog.js
Please commit your changes or stash them before you switch branches.
Aborting

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (js-assignments)
$ git commit -m "minor change in dog.js"
[js-assignments 9214893] minor change in dog.js
1 file changed, 1 insertion(+)

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (js-assignments)
$ git checkout master
Switched to branch 'master'

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (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.

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master|MERGING)
$ cat README.txt
hi how are u ?
this is my readme files
< HEAD
that about igjjgjgjgjt
=====
<<<<<< HEAD
bhortine

```

```

Select MINGW64/c/Users/Manikanta reddy/assignmentss

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master|MERGING)
$ cat README.txt
hi how are u ?
this is my readme files
< HEAD
that about igjjgjgjgjt
=====
<<<<<< HEAD
that aghggbout ijgjlsjk
=====
thatuug about ijgjlsjk
>>>>>> js-assignments
>>>>>> css-assignments

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master|MERGING)
$ git add .

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master|MERGING)
$ git commit -m "changes has done readme.txt"
[master 319f689] changes has done readme.txt

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git merge js-assignments
bash: git: command not found

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git merge js-assignments
Already up to date.

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git branch --merge
* js-assignments
* master

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$ git branch -d js-assignments
Deleted branch js-assignments (was 9214893).

Manikanta reddy@LAPTOP-C7NA37VE MINGW64 ~/assignmentss (master)
$

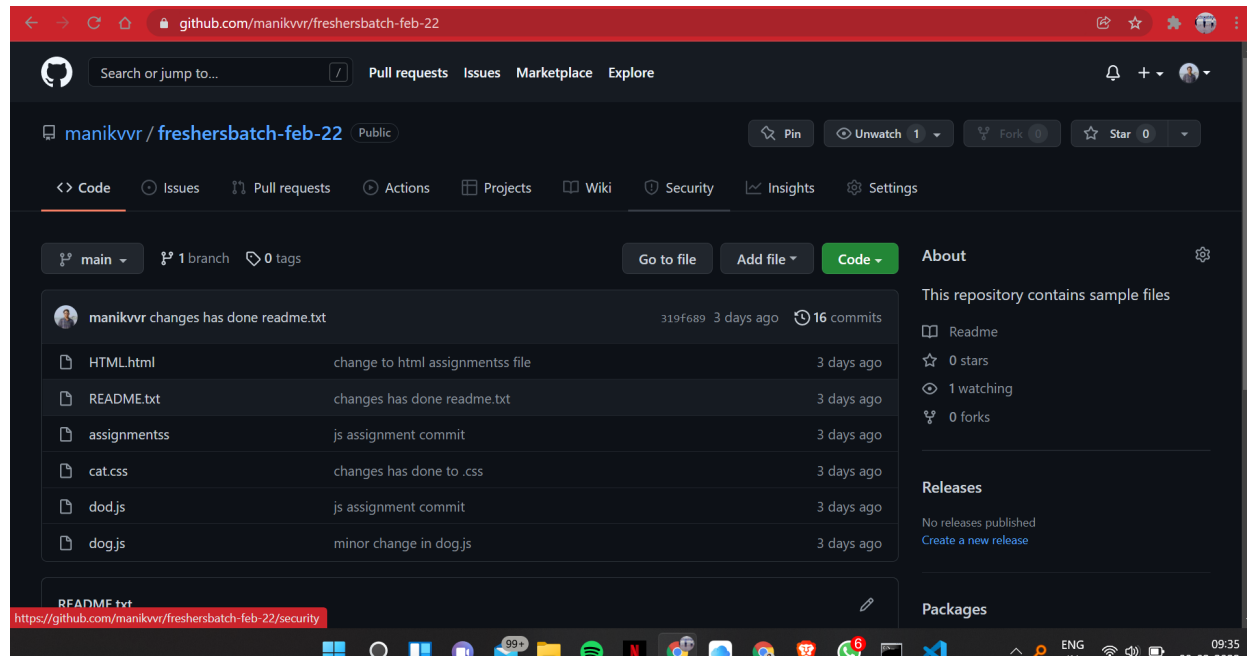
```

Objective: Pushing source code into GITHUB & collaborate team members.

## SECTION-1 (Pushing assignments to the remote repository)

Steps to follow:

39. Create a github account if you do not have already.
40. Login on into github account.
41. Create new public repository 'freshersbatch-Feb22'.
42. Commit & push any sample file to this repository under 'Assignments' directory.



## SECTION-2 (Pushing source code to remote repository using Eclipse GIT plugin) - Steps to follow:

1. One developer from project team will create eclipse projects 'SampleProj' & add sample source code files. Then commit all files through eclipse GIT plugin.
2. Collaborate other team members with your github account so that they can also modify the committed files.
3. Other developers from same team will checkout all files from remote repository. This might get conflicts since certain files fail to merge. In such case, merge it manually.
4. Commit & push the 'SampleProj' project.