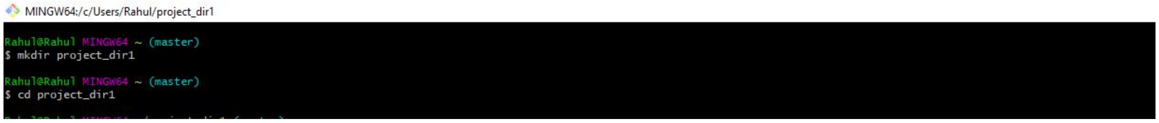
Using GIT as local VCS.Steps to follow:

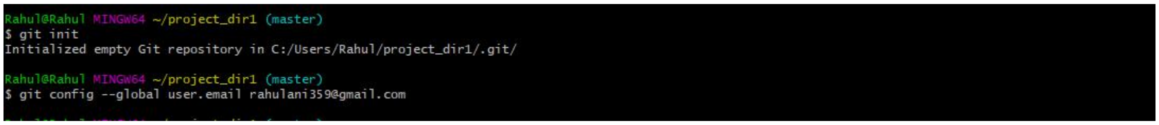
1.Create a directory 'project_dir1' & cd to project_dir1



MINGW64:/c/Users/Rahul/project_dir1

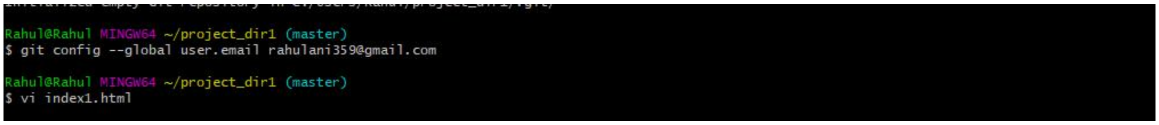
```
Rahul@Rahul MINGW64 ~ (master)
$ mkdir project_dir1

Rahul@Rahul MINGW64 ~ (master)
$ cd project_dir1
```

2.Initiate git version database



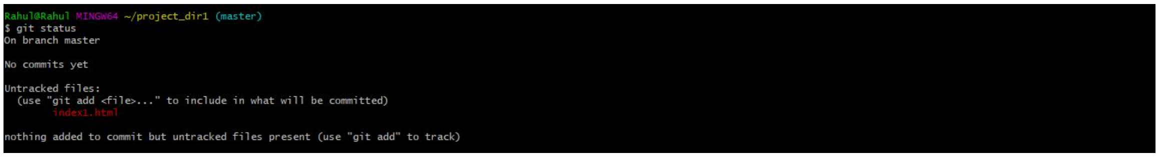
```
Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ git init
Initialized empty Git repository in C:/Users/Rahul/project_dir1/.git/

Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ git config --global user.email rahulani359@gmail.com
```

3.Create a new file index1.html



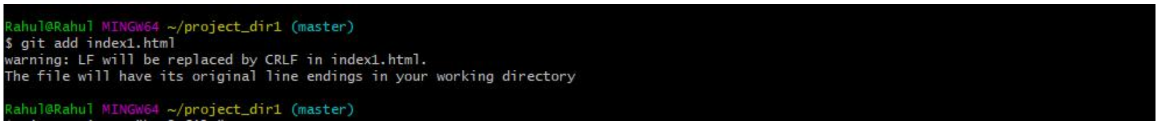
```
Initialized empty Git repository in C:/Users/Rahul/project_dir1/.git/

Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ git config --global user.email rahulani359@gmail.com

Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ vi index1.html
```

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



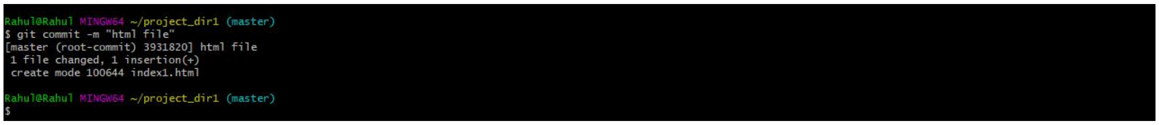
```
Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        index1.html

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

5.Stage the index file



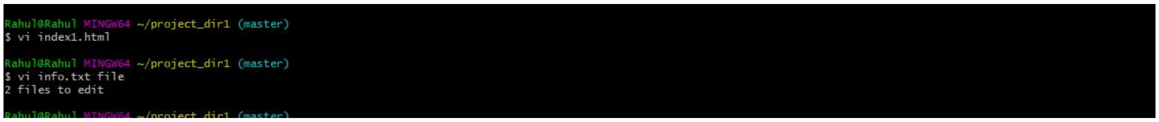
```
Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ git add index1.html
warning: LF will be replaced by CRLF in index1.html.
The file will have its original line endings in your working directory

Rahul@Rahul MINGW64 ~/project_dir1 (master)
```

6.Commit index file



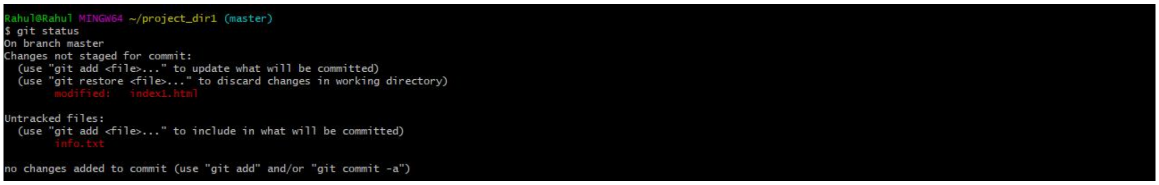
```
Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ git commit -m "html file"
[master (root-commit) 3931820] html file
 1 file changed, 1 insertion(+)
 create mode 100644 index1.html

Rahul@Rahul MINGW64 ~/project_dir1 (master)
$
```

7.make few changes in index file and create a new file info.txt file



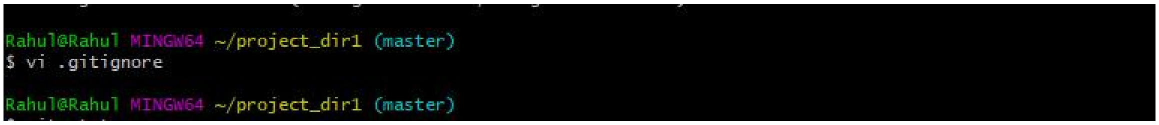
```
Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ vi index1.html

Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ vi info.txt file
2 files to edit

Rahul@Rahul MINGW64 ~/project_dir1 (master)
```

8.check git status.You should find index file and info file as untracked files



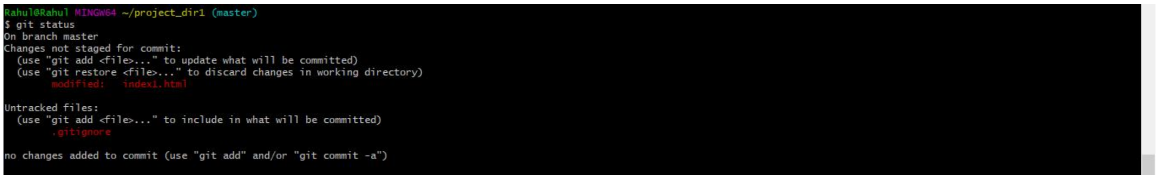
```
Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   index1.html

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")
```

9.Configure GIT to ignore all txt files



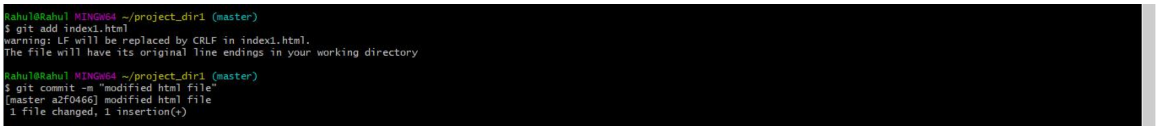
```
Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ vi .gitignore

Rahul@Rahul MINGW64 ~/project_dir1 (master)
```

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



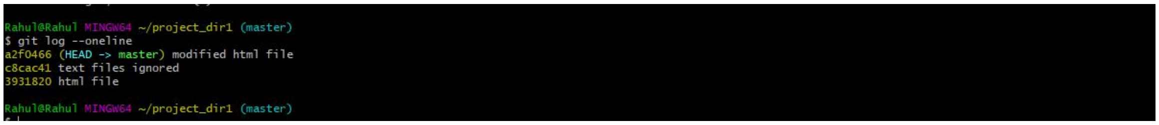
```
Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   index1.html

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")
```

11.State and commit index file



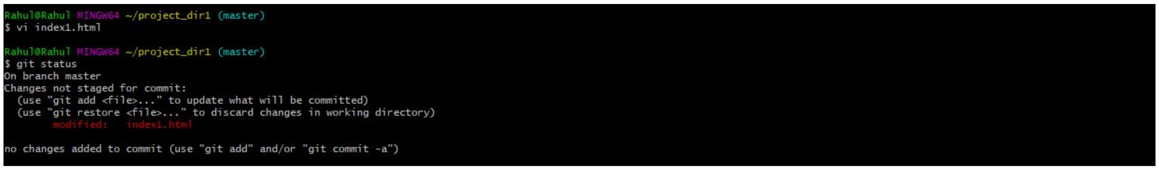
```
Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ git add index1.html
warning: LF will be replaced by CRLF in index1.html.
The file will have its original line endings in your working directory

Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ git commit -m "modified html file"
[master a2f0466] modified html file
 1 file changed, 1 insertion(+)
```

12.Log all your commits so far



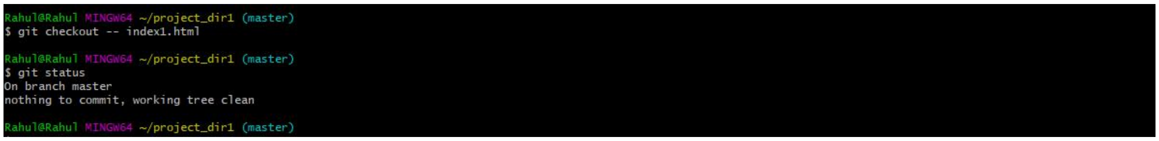
```
Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ git log --oneline
a2f0466 (HEAD -> master) modified html file
c8cac41 text files ignored
3931820 html file

Rahul@Rahul MINGW64 ~/project_dir1 (master)
```

13.Make some changes in index file



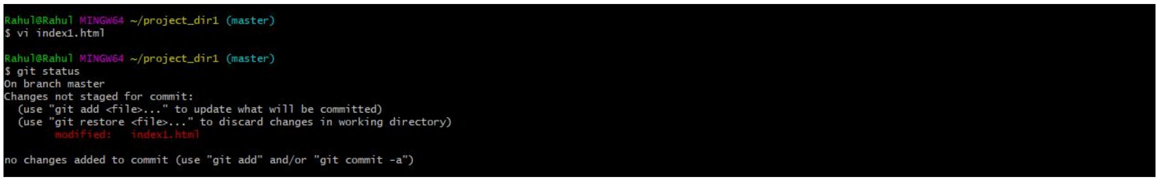
```
Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ vi index1.html

Rahul@Rahul 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:   index1.html

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

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



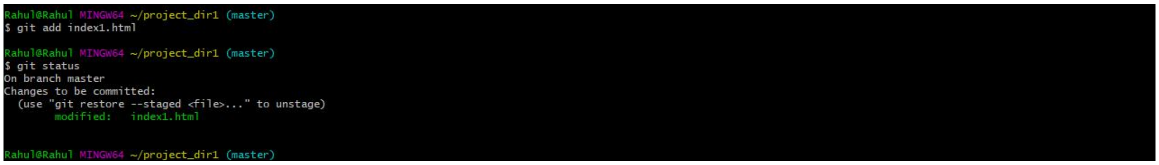
```
Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ git checkout -- index1.html

Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ git status
On branch master
nothing to commit, working tree clean

Rahul@Rahul MINGW64 ~/project_dir1 (master)
```

15.Again change index file



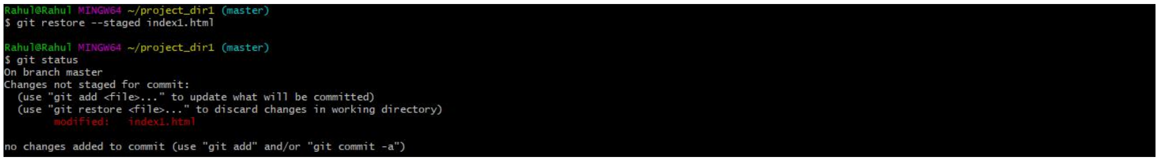
```
Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ vi index1.html

Rahul@Rahul 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:   index1.html

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

16.stage index file



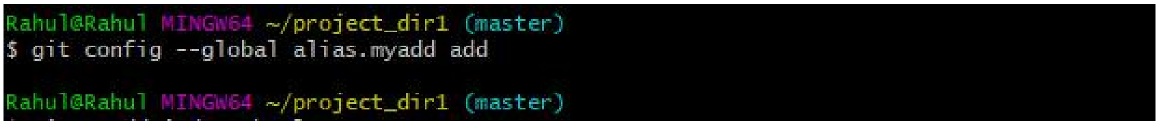
```
Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ git add index1.html

Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   index1.html

Rahul@Rahul MINGW64 ~/project_dir1 (master)
```

17.revert back to last stage



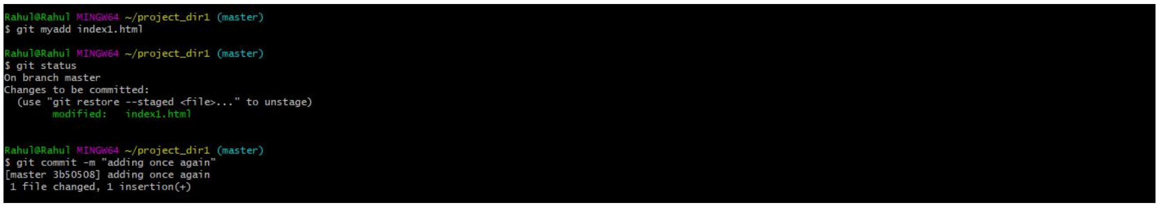
```
Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ git restore --staged index1.html

Rahul@Rahul 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:   index1.html

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

18.Rename add to my-add



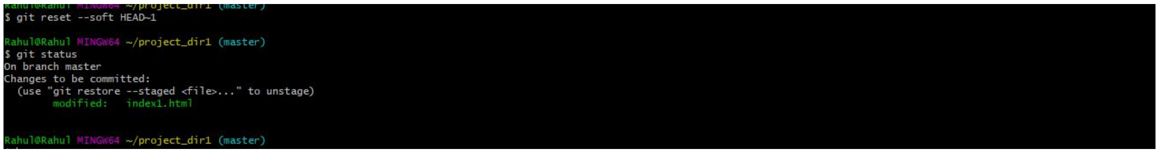
```
Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ git config --global alias.myadd add

Rahul@Rahul MINGW64 ~/project_dir1 (master)
```

19.Using my-add stage index file again and commit the changes



```
Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ git myadd index1.html

Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   index1.html


Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ git commit -m "adding once again"
[master 3b50508] adding once again
 1 file changed, 1 insertion(+)
```

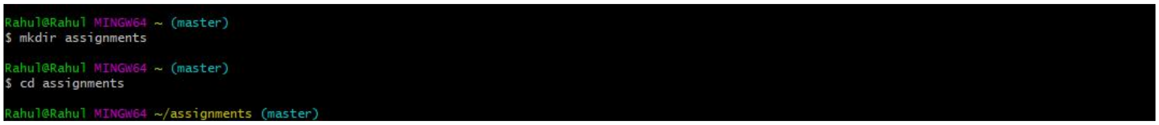
20.Revert the last commit



```
Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ git reset --soft HEAD~1

Rahul@Rahul MINGW64 ~/project_dir1 (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   index1.html


Rahul@Rahul MINGW64 ~/project_dir1 (master)
```

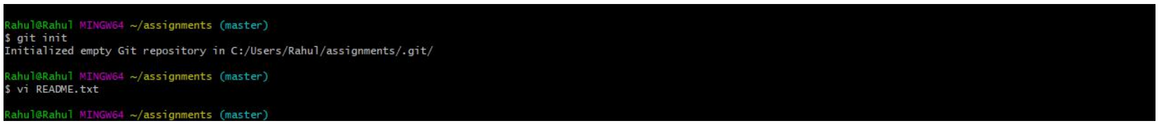
GIT BRANCHING

22. Create an empty directory 'assignments' and cd to 'assignments'



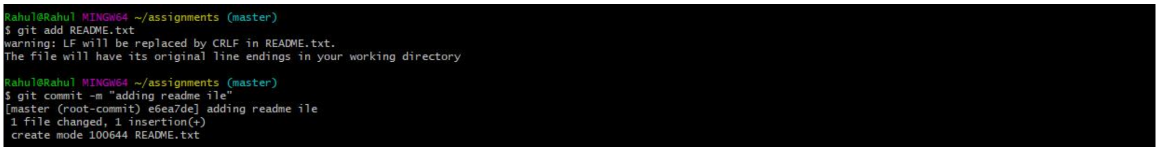
```
Rahul@Rahul MINGW64 ~ (master)
$ mkdir assignments

Rahul@Rahul MINGW64 ~ (master)
$ cd assignments

Rahul@Rahul MINGW64 ~/assignments (master)
```

23.Create a file Readme.txt inside 'assignments' and write few lines about the contents of 'assignments'folder



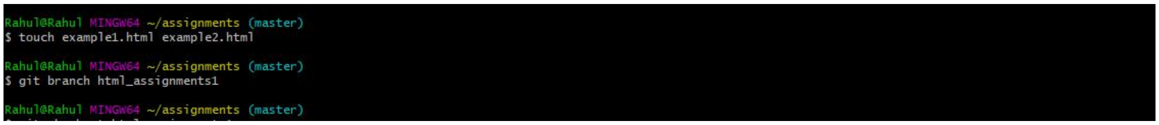
```
Rahul@Rahul MINGW64 ~/assignments (master)
$ git init
Initialized empty Git repository in C:/Users/Rahul/assignments/.git/

Rahul@Rahul MINGW64 ~/assignments (master)
$ vi README.txt

Rahul@Rahul MINGW64 ~/assignments (master)
```

24.Commit README.txt file



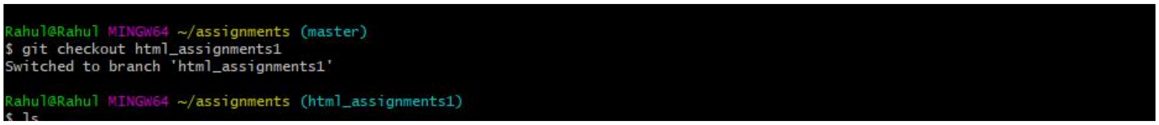
```
Rahul@Rahul MINGW64 ~/assignments (master)
$ git add README.txt
warning: LF will be replaced by CRLF in README.txt.
The file will have its original line endings in your working directory

Rahul@Rahul MINGW64 ~/assignments (master)
$ git commit -m "adding readme ile"
[master (root-commit) e6ea7de] adding readme ile
 1 file changed, 1 insertion(+)
 create mode 100644 README.txt
```

25.NOW create a new branch 'thmlassignments'



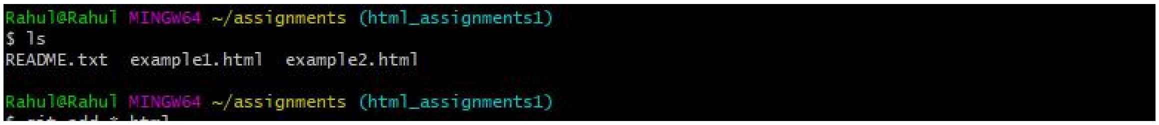
```
Rahul@Rahul MINGW64 ~/assignments (master)
$ touch example1.html example2.html

Rahul@Rahul MINGW64 ~/assignments (master)
$ git branch html_assignments1

Rahul@Rahul MINGW64 ~/assignments (master)
```

26.Switch to html assignments branch



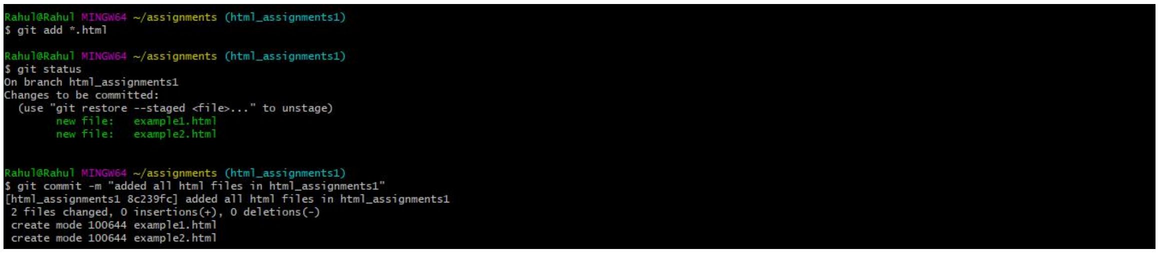
```
Rahul@Rahul MINGW64 ~/assignments (master)
$ git checkout html_assignments1
Switched to branch 'html_assignments1'

Rahul@Rahul MINGW64 ~/assignments (html_assignments1)
$ ls
```

27.cpy all contents inside ssignments folder



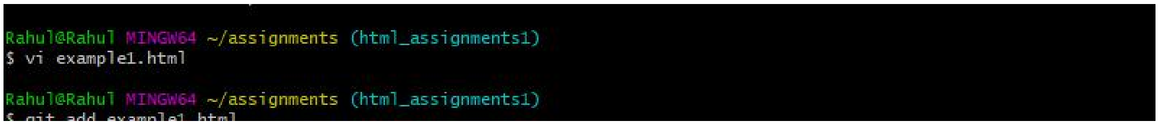
```
Rahul@Rahul MINGW64 ~/assignments (html_assignments1)
$ ls
README.txt  example1.html  example2.html

Rahul@Rahul MINGW64 ~/assignments (html_assignments1)
$ git add *.html
```

28.Commit html assignments into html assignments branch



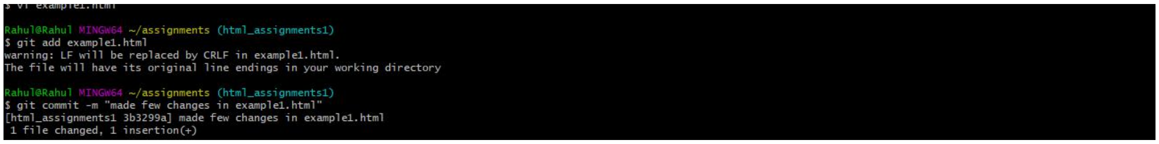
```
Rahul@Rahul MINGW64 ~/assignments (html_assignments1)
$ git add *.html

Rahul@Rahul MINGW64 ~/assignments (html_assignments1)
$ git status
On branch html_assignments1
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   example1.html
        new file:   example2.html


Rahul@Rahul MINGW64 ~/assignments (html_assignments1)
$ git commit -m "added all html files in html_assignments1"
[html_assignments1 8c239fc] added all html files in html_assignments1
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 example1.html
 create mode 100644 example2.html
```

29.make minor changes in few files in htmlassignments branch



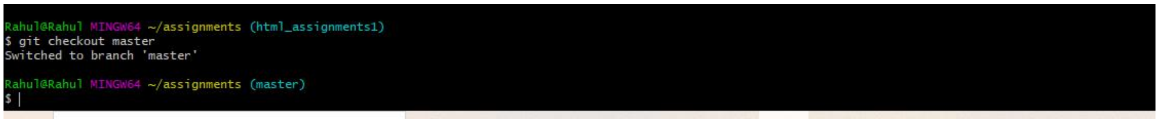
```
Rahul@Rahul MINGW64 ~/assignments (html_assignments1)
$ vi example1.html

Rahul@Rahul MINGW64 ~/assignments (html_assignments1)
$ git add example1.html
```

30.commit those changes in htmlqssignments branch



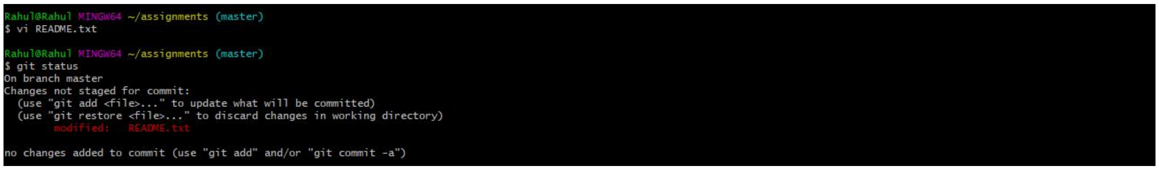
```
$ vi example1.html

Rahul@Rahul MINGW64 ~/assignments (html_assignments1)
$ git add example1.html
warning: LF will be replaced by CRLF in example1.html.
The file will have its original line endings in your working directory

Rahul@Rahul MINGW64 ~/assignments (html_assignments1)
$ git commit -m "made few changes in example1.html"
[html_assignments1 3b3299a] made few changes in example1.html
 1 file changed, 1 insertion(+)
```

31.switch to master branch

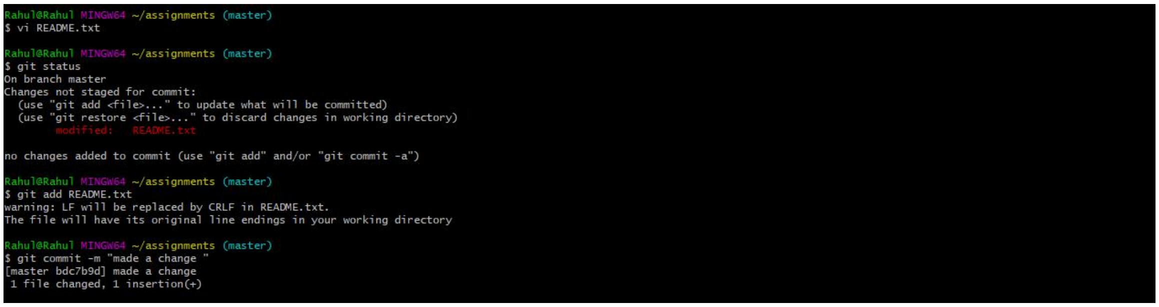


```
Rahul@Rahul MINGW64 ~/assignments (html_assignments1)
$ git checkout master
Switched to branch 'master'

Rahul@Rahul MINGW64 ~/assignments (master)
$ |
```

32.make minor changes in readme file and commit those changes

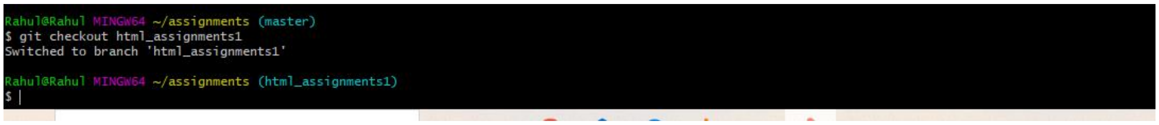


```
Rahul@Rahul MINGW64 ~/assignments (master)
$ vi README.txt

Rahul@Rahul MINGW64 ~/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")
```



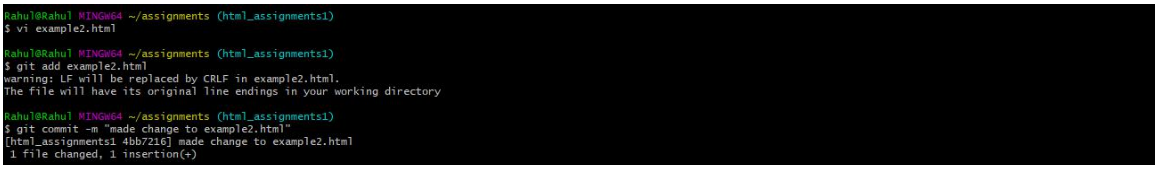
```
Rahul@Rahul MINGW64 ~/assignments (master)
$ vi README.txt

Rahul@Rahul MINGW64 ~/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")

Rahul@Rahul 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

Rahul@Rahul MINGW64 ~/assignments (master)
$ git commit -m "made a change "
[master bdc7b9d] made a change
 1 file changed, 1 insertion(+)
```

33.switcg to htmlassignments branch



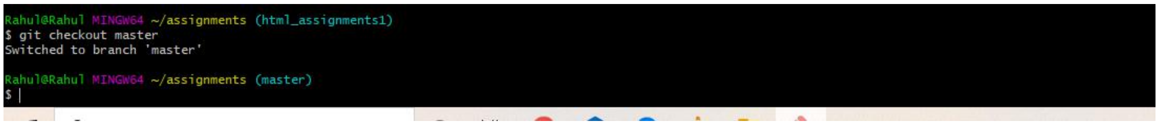
```
Rahul@Rahul MINGW64 ~/assignments (master)
$ git checkout html_assignments1
Switched to branch 'html_assignments1'

Rahul@Rahul MINGW64 ~/assignments (html_assignments1)
$ |
```

34.make few minor changes in this branch and commit those changes



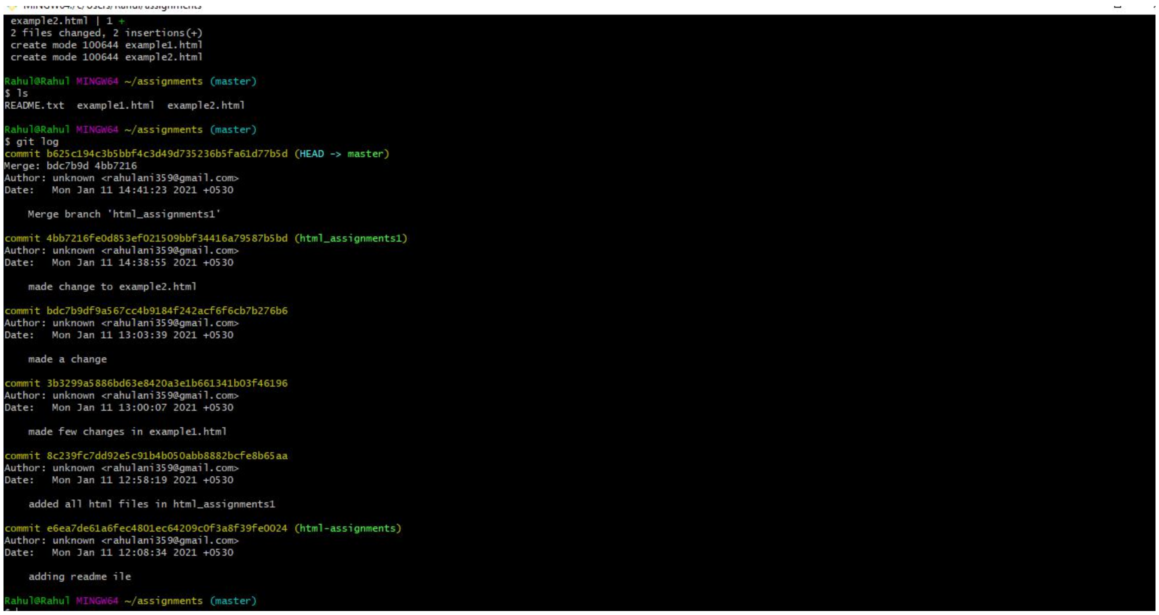
```
Rahul@Rahul MINGW64 ~/assignments (html_assignments1)
$ vi example2.html

Rahul@Rahul MINGW64 ~/assignments (html_assignments1)
$ git add example2.html
warning: LF will be replaced by CRLF in example2.html.
The file will have its original line endings in your working directory

Rahul@Rahul MINGW64 ~/assignments (html_assignments1)
$ git commit -m "made change to example2.html"
[html_assignments1 4bb7216] made change to example2.html
 1 file changed, 1 insertion(+)
```

35.switch to master



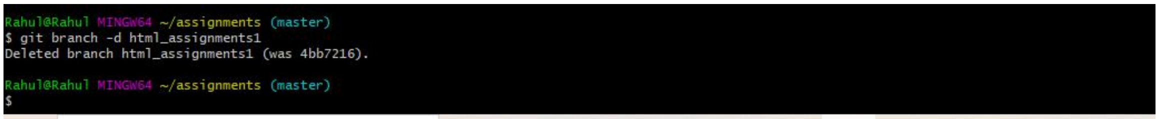
```
Rahul@Rahul MINGW64 ~/assignments (html_assignments1)
$ git checkout master
Switched to branch 'master'

Rahul@Rahul MINGW64 ~/assignments (master)
$ |
```

36.merge html assignments branch



```
 example2.html | 1 +
 2 files changed, 2 insertions(+)
 create mode 100644 example1.html
 create mode 100644 example2.html

Rahul@Rahul MINGW64 ~/assignments (master)
$ ls
README.txt  example1.html  example2.html

Rahul@Rahul MINGW64 ~/assignments (master)
$ git log
commit b625c194c3b5bbf4c3d49d735236b5fa61d77b5d (HEAD -> master)
Merge: bdc7b9d 4bb7216
Author: unknown <rahulani359@gmail.com>
Date:   Mon Jan 11 14:41:23 2021 +0530

    Merge branch 'html_assignments1'

commit 4bb7216fe0d853ef021509bbf34416a79587b5bd (html_assignments1)
Author: unknown <rahulani359@gmail.com>
Date:   Mon Jan 11 14:38:55 2021 +0530

    made change to example2.html

commit bdc7b9df9a567cc4b9184f242acf6f6cb7b276b6
Author: unknown <rahulani359@gmail.com>
Date:   Mon Jan 11 13:03:39 2021 +0530

    made a change

commit 3b3299a5886bd63e8420a3e1b661341b03f46196
Author: unknown <rahulani359@gmail.com>
Date:   Mon Jan 11 13:00:07 2021 +0530

    made few changes in example1.html

commit 8c239fc7dd92e5c91b4b050abb8882bcfe8b65aa
Author: unknown <rahulani359@gmail.com>
Date:   Mon Jan 11 12:58:19 2021 +0530

    added all html files in html_assignments1

commit e6ea7de61a6fec4801ec64209c0f3a8f39fe0024 (html-assignments)
Author: unknown <rahulani359@gmail.com>
Date:   Mon Jan 11 12:08:34 2021 +0530

    adding readme ile

Rahul@Rahul MINGW64 ~/assignments (master)
```

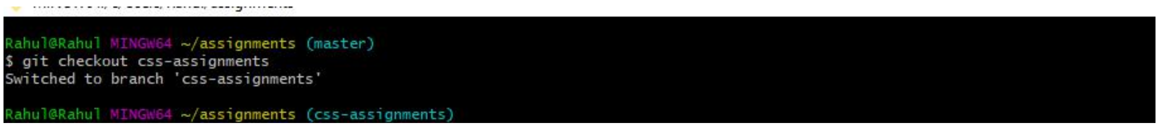
37.finally delete htmlassignments branch



```
Rahul@Rahul MINGW64 ~/assignments (master)
$ git branch -d html_assignments1
Deleted branch html_assignments1 (was 4bb7216).

Rahul@Rahul MINGW64 ~/assignments (master)
$
```

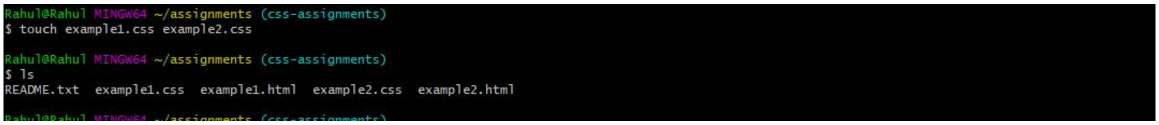
SECTION 2:

1.Create a new branch css assignments and swtich to it



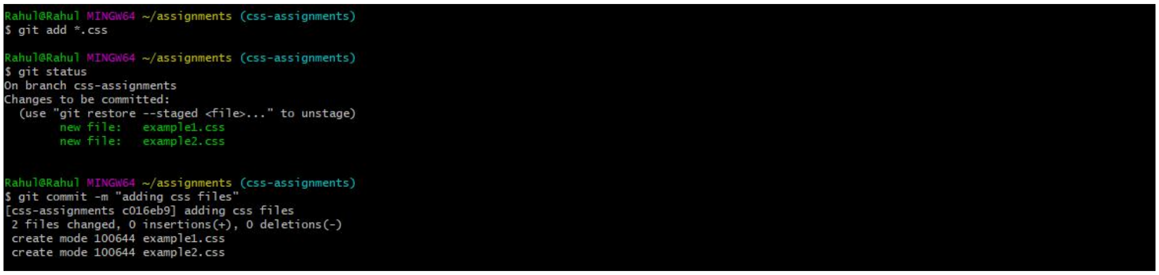
```
Rahul@Rahul MINGW64 ~/assignments (master)
$ git checkout css-assignments
Switched to branch 'css-assignments'

Rahul@Rahul MINGW64 ~/assignments (css-assignments)
```

2.copy all contentrs into this branch



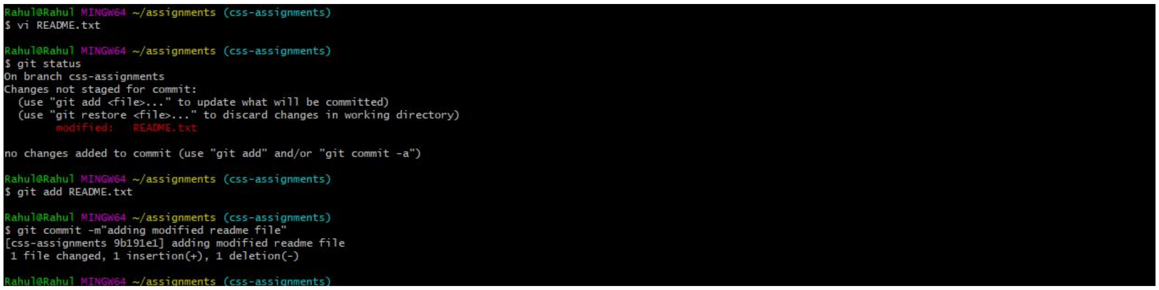
```
Rahul@Rahul MINGW64 ~/assignments (css-assignments)
$ touch example1.css example2.css

Rahul@Rahul MINGW64 ~/assignments (css-assignments)
$ ls
README.txt  example1.css  example1.html  example2.css  example2.html

Rahul@Rahul MINGW64 ~/assignments (css-assignments)
```

3.commit css assignments into this branch



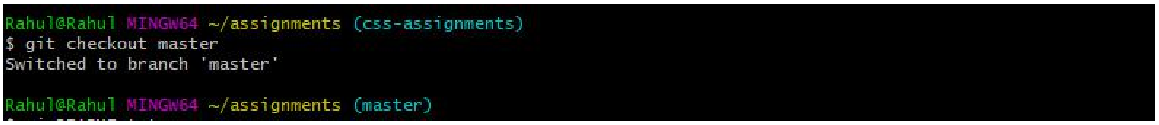
```
Rahul@Rahul MINGW64 ~/assignments (css-assignments)
$ git add *.css

Rahul@Rahul MINGW64 ~/assignments (css-assignments)
$ git status
On branch css-assignments
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   example1.css
        new file:   example2.css


Rahul@Rahul MINGW64 ~/assignments (css-assignments)
$ git commit -m "adding css files"
[css-assignments c016eb9] adding css files
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 example1.css
 create mode 100644 example2.css
```

4.make few changes into README.txt in this branc h and commit those changes



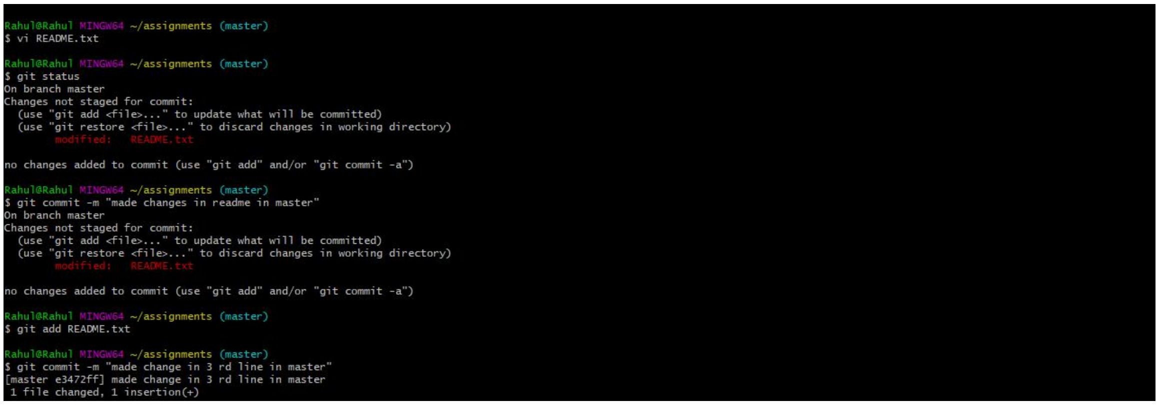
```
Rahul@Rahul MINGW64 ~/assignments (css-assignments)
$ vi README.txt

Rahul@Rahul MINGW64 ~/assignments (css-assignments)
$ git status
On branch css-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:   README.txt

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

Rahul@Rahul MINGW64 ~/assignments (css-assignments)
$ git add README.txt

Rahul@Rahul MINGW64 ~/assignments (css-assignments)
$ git commit -m"adding modified readme file"
[css-assignments 9b191e1] adding modified readme file
 1 file changed, 1 insertion(+), 1 deletion(-)

Rahul@Rahul MINGW64 ~/assignments (css-assignments)
```

5.switch to master branch



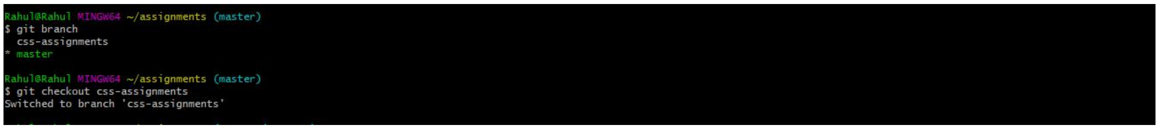
```
Rahul@Rahul MINGW64 ~/assignments (css-assignments)
$ git checkout master
Switched to branch 'master'

Rahul@Rahul MINGW64 ~/assignments (master)
```

6.make few minor changes in README.txt file and commit those changes



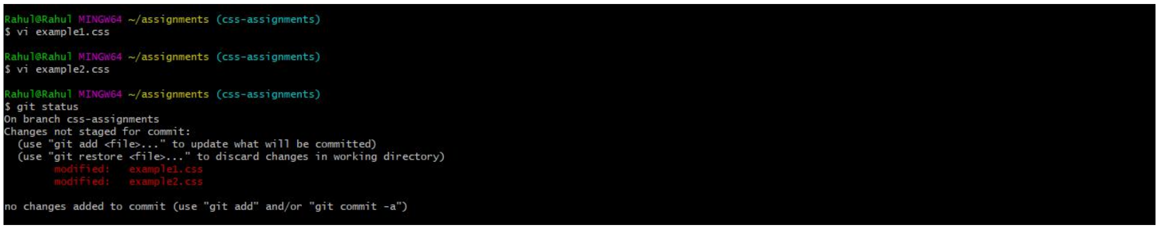
```
Rahul@Rahul MINGW64 ~/assignments (master)
$ vi README.txt

Rahul@Rahul MINGW64 ~/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")

Rahul@Rahul MINGW64 ~/assignments (master)
$ git commit -m "made changes in readme in master"
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")

Rahul@Rahul MINGW64 ~/assignments (master)
$ git add README.txt

Rahul@Rahul MINGW64 ~/assignments (master)
$ git commit -m "made change in 3 rd line in master"
[master e3472ff] made change in 3 rd line in master
 1 file changed, 1 insertion(+)
```

7.Again switch to css assignments branch

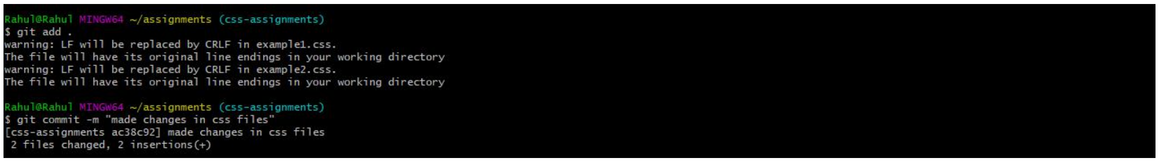


```
Rahul@Rahul MINGW64 ~/assignments (master)
$ git branch
  css-assignments
* master

Rahul@Rahul MINGW64 ~/assignments (master)
$ git checkout css-assignments
Switched to branch 'css-assignments'
```

8.make minor changes in few files and commit those changes

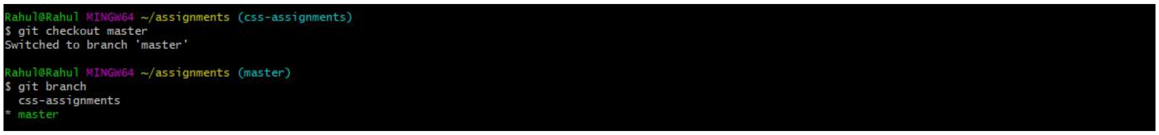


```
Rahul@Rahul MINGW64 ~/assignments (css-assignments)
$ vi example1.css

Rahul@Rahul MINGW64 ~/assignments (css-assignments)
$ vi example2.css

Rahul@Rahul MINGW64 ~/assignments (css-assignments)
$ git status
On branch css-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:   example1.css
        modified:   example2.css

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



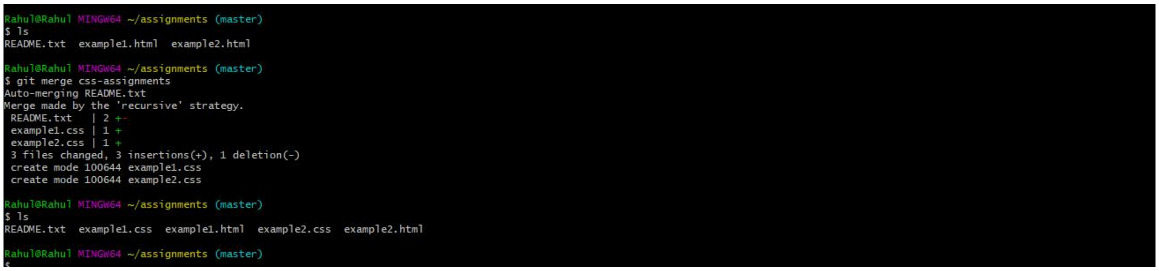
```
Rahul@Rahul MINGW64 ~/assignments (css-assignments)
$ git add .
warning: LF will be replaced by CRLF in example1.css.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in example2.css.
The file will have its original line endings in your working directory

Rahul@Rahul MINGW64 ~/assignments (css-assignments)
$ git commit -m "made changes in css files"
[css-assignments ac38c92] made changes in css files
 2 files changed, 2 insertions(+)
```

9.Switch to master



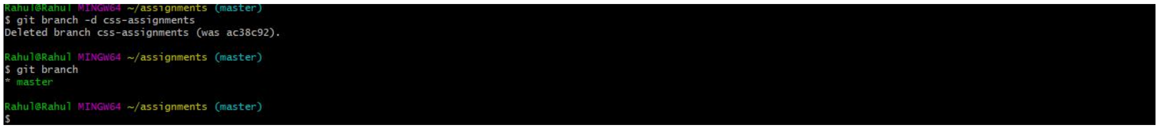
```
Rahul@Rahul MINGW64 ~/assignments (css-assignments)
$ git checkout master
Switched to branch 'master'

Rahul@Rahul MINGW64 ~/assignments (master)
$ git branch
  css-assignments
* master
```

10.merge cssassignments into master



```
Rahul@Rahul MINGW64 ~/assignments (master)
$ ls
README.txt  example1.html  example2.html

Rahul@Rahul MINGW64 ~/assignments (master)
$ git merge css-assignments
Auto-merging README.txt
Merge made by the 'recursive' strategy.
 README.txt   | 2 +-
 example1.css | 1 +
 example2.css | 1 +
 3 files changed, 3 insertions(+), 1 deletion(-)
 create mode 100644 example1.css
 create mode 100644 example2.css

Rahul@Rahul MINGW64 ~/assignments (master)
$ ls
README.txt  example1.css  example1.html  example2.css  example2.html

Rahul@Rahul MINGW64 ~/assignments (master)
$
```

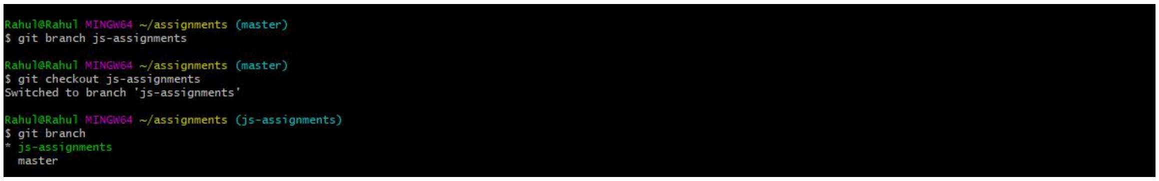
11.finally delete cssassignments branch



```
Rahul@Rahul MINGW64 ~/assignments (master)
$ git branch -d css-assignments
Deleted branch css-assignments (was ac38c92).

Rahul@Rahul MINGW64 ~/assignments (master)
$ git branch
* master

Rahul@Rahul MINGW64 ~/assignments (master)
$
```

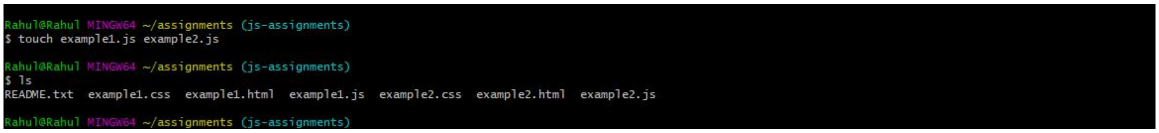
SECTION 3:

1.create a new branch jssassignments and switch to it



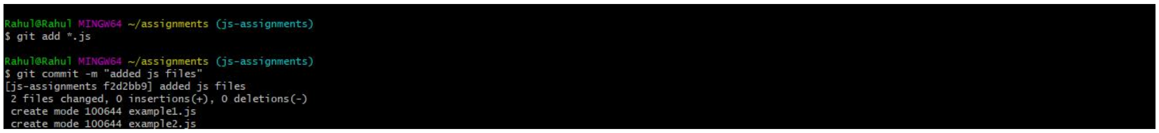
```
Rahul@Rahul MINGW64 ~/assignments (master)
$ git branch js-assignments

Rahul@Rahul MINGW64 ~/assignments (master)
$ git checkout js-assignments
Switched to branch 'js-assignments'

Rahul@Rahul MINGW64 ~/assignments (js-assignments)
$ git branch
* js-assignments
  master
```

2.copy all comtents insise assignments folder



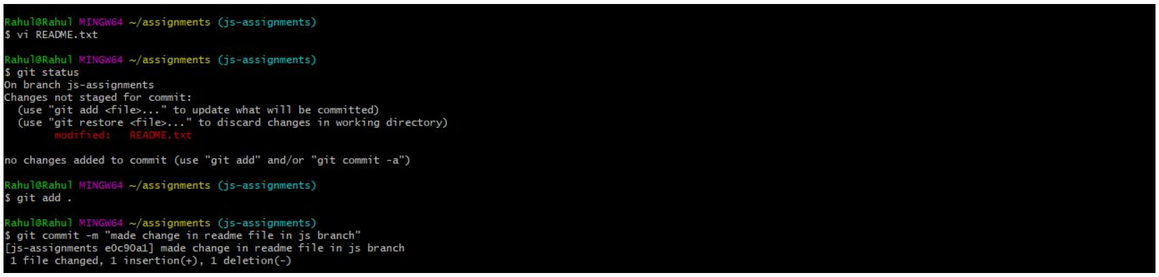
```
Rahul@Rahul MINGW64 ~/assignments (js-assignments)
$ touch example1.js example2.js

Rahul@Rahul MINGW64 ~/assignments (js-assignments)
$ ls
README.txt  example1.css  example1.html  example1.js  example2.css  example2.html  example2.js

Rahul@Rahul MINGW64 ~/assignments (js-assignments)
```

3.commit all javascript assignments into jsassignments branch



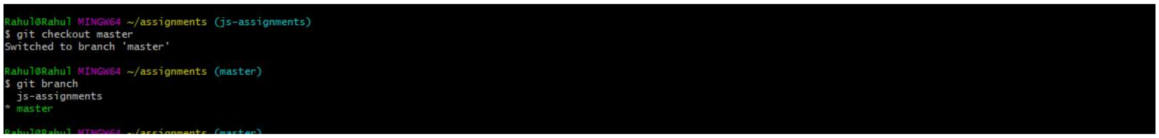
```
Rahul@Rahul MINGW64 ~/assignments (js-assignments)
$ git add *.js

Rahul@Rahul MINGW64 ~/assignments (js-assignments)
$ git commit -m "added js files"
[js-assignments f2d2bb9] added js files
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 example1.js
 create mode 100644 example2.js
```

4.make minor changes in readme file in this branch and commit those files



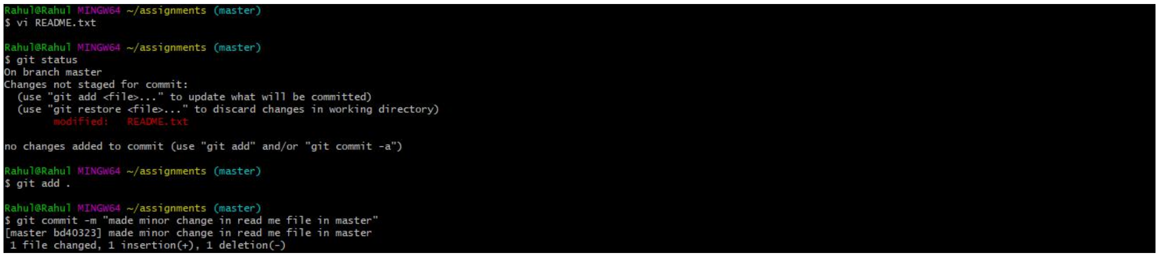
```
Rahul@Rahul MINGW64 ~/assignments (js-assignments)
$ vi README.txt

Rahul@Rahul MINGW64 ~/assignments (js-assignments)
$ git status
On branch js-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:   README.txt

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

Rahul@Rahul MINGW64 ~/assignments (js-assignments)
$ git add .

Rahul@Rahul MINGW64 ~/assignments (js-assignments)
$ git commit -m "made change in readme file in js branch"
[js-assignments e0c90a1] made change in readme file in js branch
 1 file changed, 1 insertion(+), 1 deletion(-)
```

5.switch to master branch



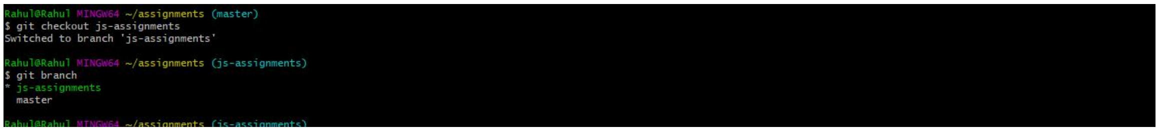
```
Rahul@Rahul MINGW64 ~/assignments (js-assignments)
$ git checkout master
Switched to branch 'master'

Rahul@Rahul MINGW64 ~/assignments (master)
$ git branch
  js-assignments
* master
Rahul@Rahul MINGW64 ~/assignments (master)
```

6.make few change sin readme file and commit those changes



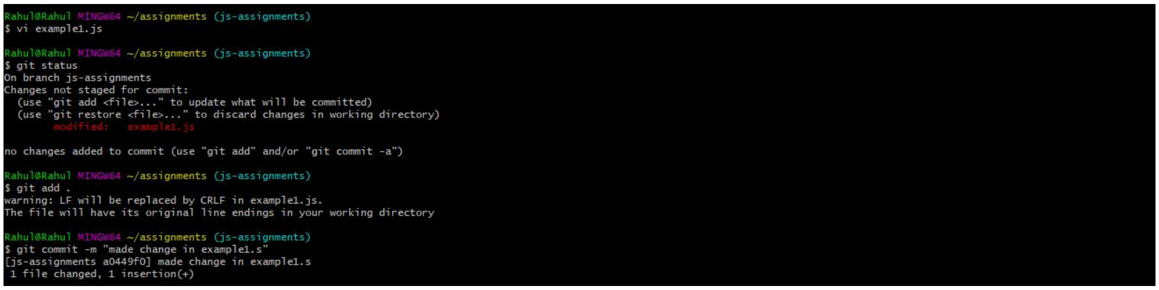
```
Rahul@Rahul MINGW64 ~/assignments (master)
$ vi README.txt

Rahul@Rahul MINGW64 ~/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")

Rahul@Rahul MINGW64 ~/assignments (master)
$ git add .

Rahul@Rahul MINGW64 ~/assignments (master)
$ git commit -m "made minor change in read me file in master"
[master bd40323] made minor change in read me file in master
 1 file changed, 1 insertion(+), 1 deletion(-)
```

7.again switch to jsassignments branch



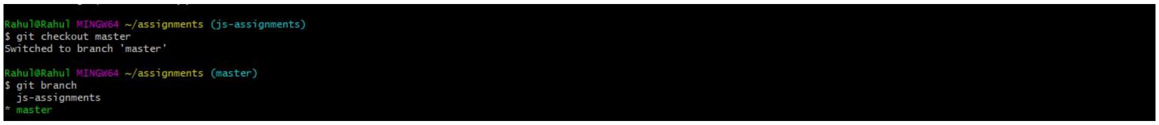
```
Rahul@Rahul MINGW64 ~/assignments (master)
$ git checkout js-assignments
Switched to branch 'js-assignments'

Rahul@Rahul MINGW64 ~/assignments (js-assignments)
$ git branch
* js-assignments
  master
Rahul@Rahul MINGW64 ~/assignments (js-assignments)
```

8.make minor changes in fewfiles and commit those files



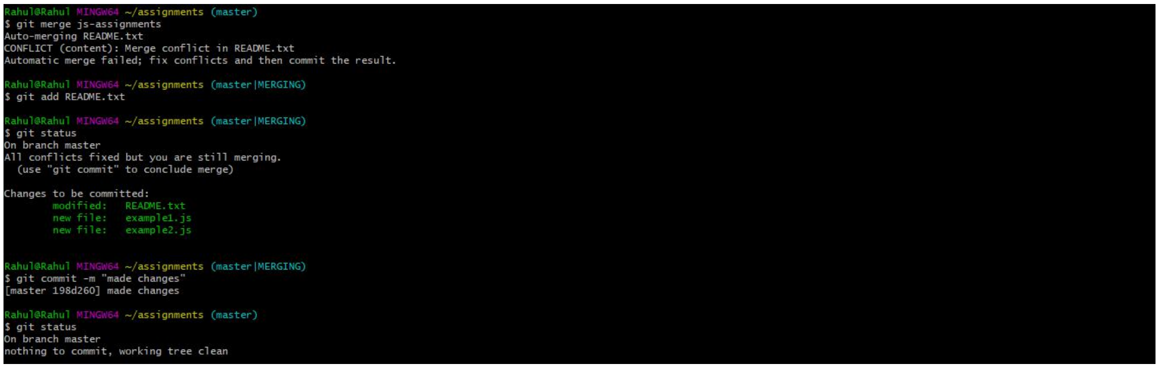
```
Rahul@Rahul MINGW64 ~/assignments (js-assignments)
$ vi example1.js

Rahul@Rahul MINGW64 ~/assignments (js-assignments)
$ git status
On branch js-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:   example1.js

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

Rahul@Rahul MINGW64 ~/assignments (js-assignments)
$ git add .
warning: LF will be replaced by CRLF in example1.js.
The file will have its original line endings in your working directory

Rahul@Rahul MINGW64 ~/assignments (js-assignments)
$ git commit -m "made change in example1.s"
[js-assignments a0449f0] made change in example1.s
 1 file changed, 1 insertion(+)
```

9.switch to master



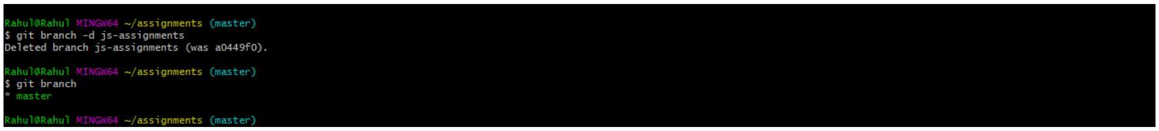
```
Rahul@Rahul MINGW64 ~/assignments (js-assignments)
$ git checkout master
Switched to branch 'master'

Rahul@Rahul MINGW64 ~/assignments (master)
$ git branch
  js-assignments
* master
```

10.merge jsassignments branch into master



```
Rahul@Rahul 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.

Rahul@Rahul MINGW64 ~/assignments (master|MERGING)
$ git add README.txt

Rahul@Rahul MINGW64 ~/assignments (master|MERGING)
$ git status
On branch master
All conflicts fixed but you are still merging.
  (use "git commit" to conclude merge)

Changes to be committed:
        modified:   README.txt
        new file:   example1.js
        new file:   example2.js


Rahul@Rahul MINGW64 ~/assignments (master|MERGING)
$ git commit -m "made changes"
[master 198d260] made changes

Rahul@Rahul MINGW64 ~/assignments (master)
$ git status
On branch master
nothing to commit, working tree clean
```

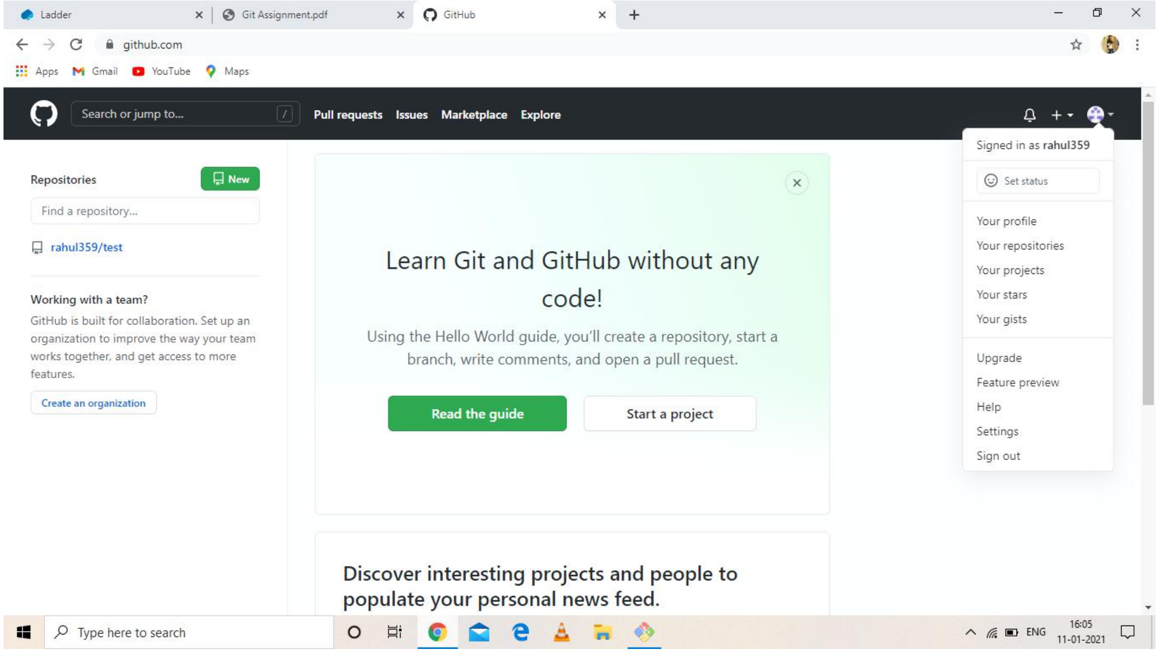
11.finally delete jsassignments branch



```

Rahul@Rahul MINGW64 ~/assignments (master)
$ git branch -d js-assignments
Deleted branch js-assignments (was a0449f0).

Rahul@Rahul MINGW64 ~/assignments (master)
$ git branch
* master

Rahul@Rahul MINGW64 ~/assignments (master)
```

GIT REMOTING

39.Create a github and login to it



Signed in as rahul359

rahul359/test

Working with a team?

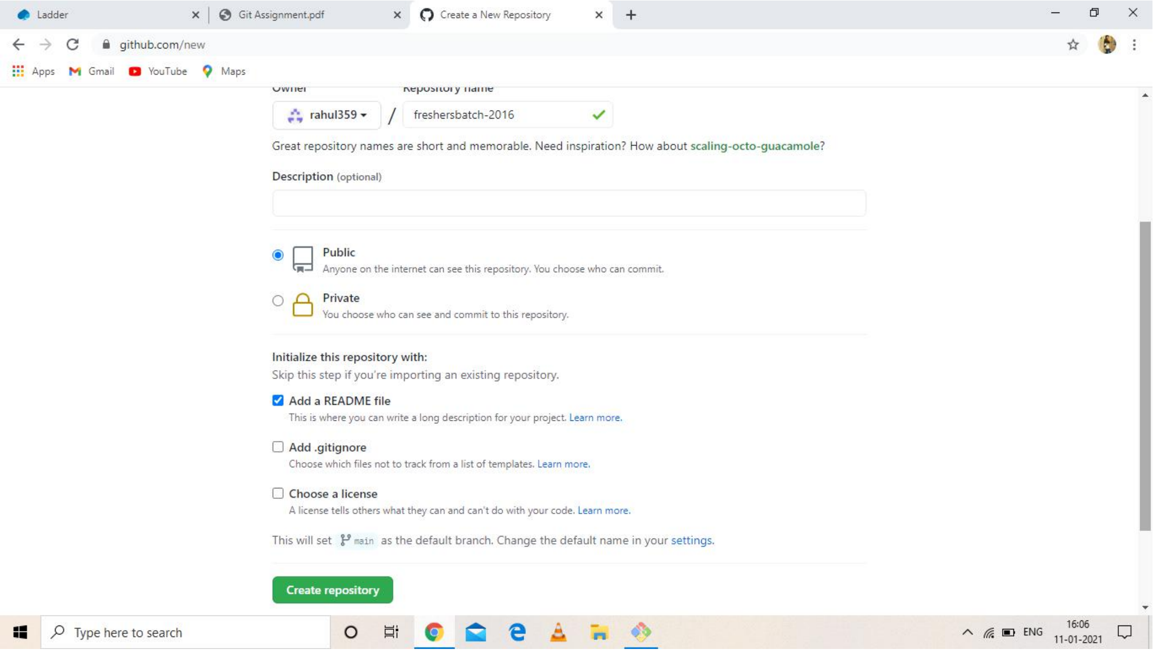
GitHub is built for collaboration. Set up an organization to improve the way your team works together, and get access to more features.

Learn Git and GitHub without any code!

Using the Hello World guide, you'll create a repository, start a branch, write comments, and open a pull request.

Discover interesting projects and people to populate your personal news feed.

40.Create a repository



Owner Repository name

rahul359 / freshersbatch-2016

Great repository names are short and memorable. Need inspiration? How about scaling-octo-guacamole?

Description (optional)

● **Public**
Anyone on the internet can see this repository. You choose who can commit.

○ **Private**
You choose who can see and commit to this repository.

Initialize this repository with:
Skip this step if you're importing an existing repository.

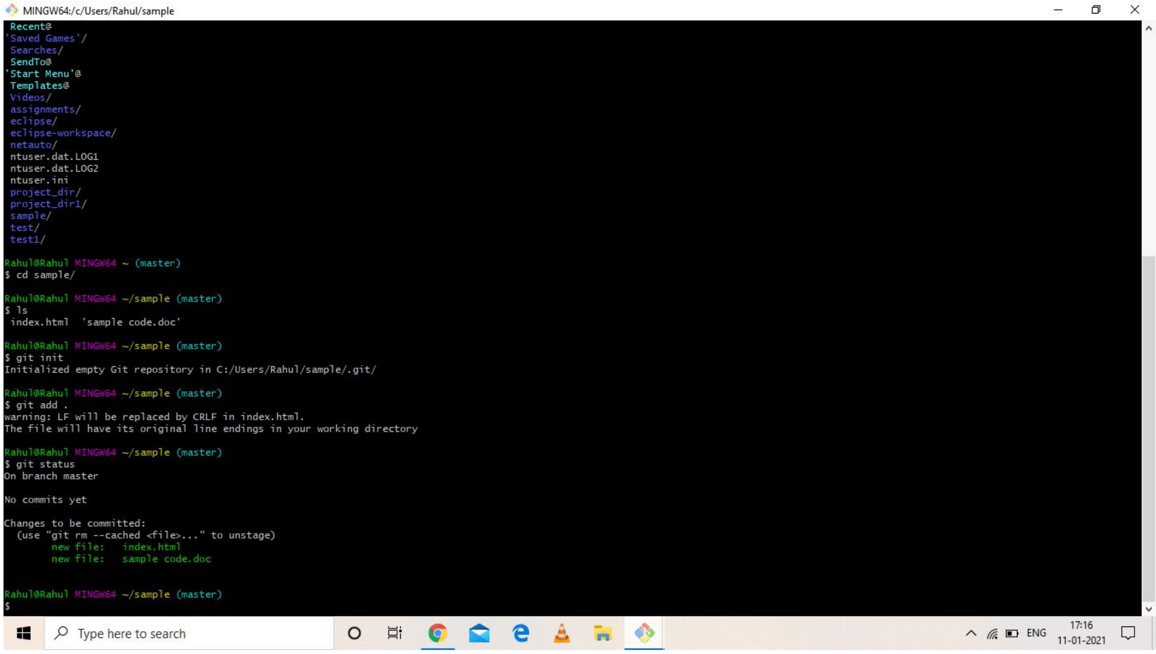
☑ **Add a README file**
This is where you can write a long description for your project. Learn more.

☐ **Add .gitignore**
Choose which files not to track from a list of templates. Learn more.

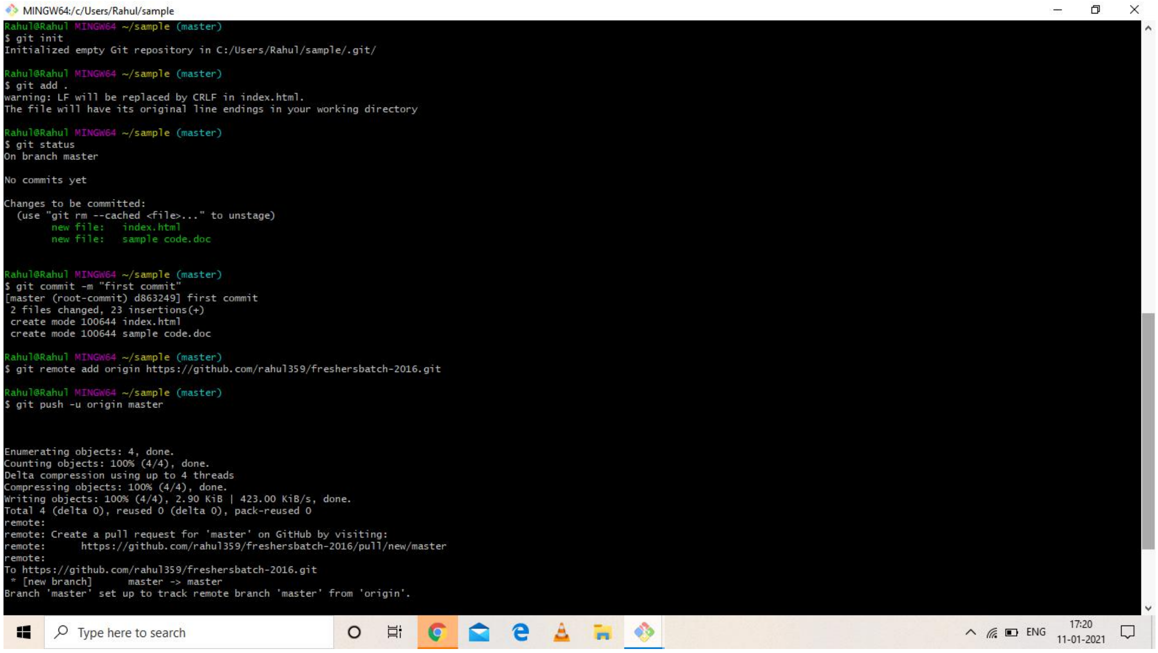
☐ **Choose a license**
A license tells others what they can and can't do with your code. Learn more.

This will set main as the default branch. Change the default name in your settings.

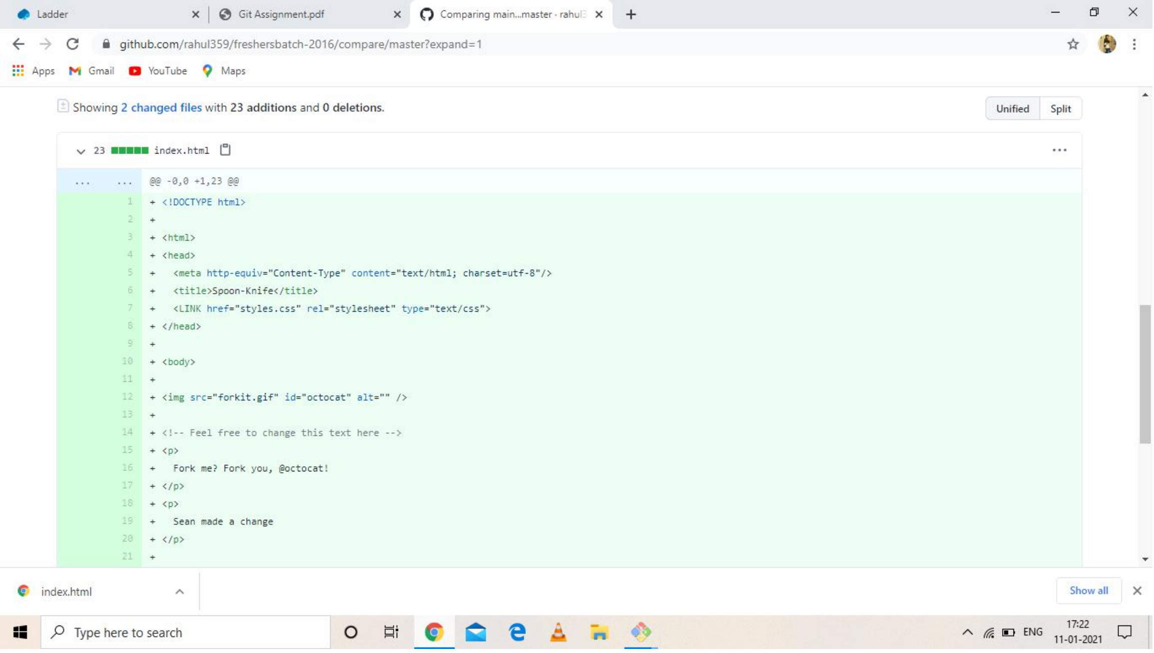
41.Commit and push sample file to it



```
 Recent@
'Saved Games'/
 Searches/
 SendTo@
'Start Menu'@
 Templates@
 Videos/
 assignments/
 eclipse/
 eclipse-workspace/
 netauto/
 ntuser.dat.LOG1
 ntuser.dat.LOG2
 ntuser.ini
 project_dir/
 project_dir1/
 sample/
 test/
 test1/

Rahul@Rahul MINGW64 ~ (master)
$ cd sample/

Rahul@Rahul MINGW64 ~/sample (master)
$ ls
 index.html  'sample code.doc'

Rahul@Rahul MINGW64 ~/sample (master)
$ git init
Initialized empty Git repository in C:/Users/Rahul/sample/.git/

Rahul@Rahul MINGW64 ~/sample (master)
$ git add .
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory

Rahul@Rahul MINGW64 ~/sample (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   index.html
        new file:   sample code.doc


Rahul@Rahul MINGW64 ~/sample (master)
$
```



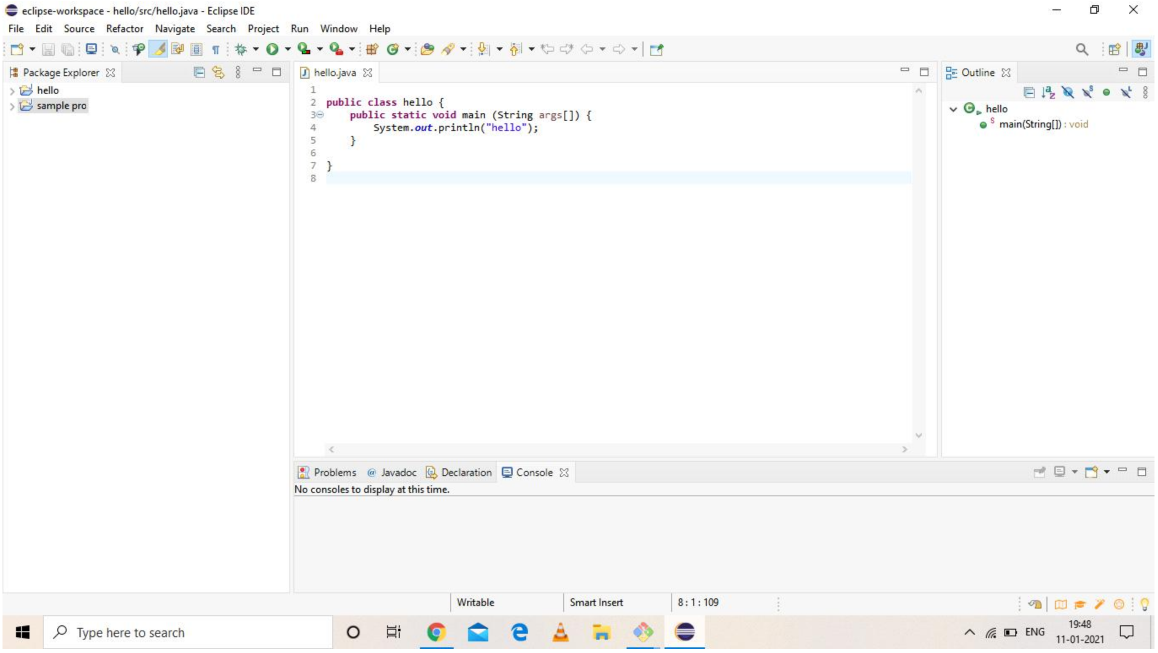
```
Rahul@Rahul MINGW64 ~/sample (master)
$ git init
Initialized empty Git repository in C:/Users/Rahul/sample/.git/

Rahul@Rahul MINGW64 ~/sample (master)
$ git add .
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory

Rahul@Rahul MINGW64 ~/sample (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   index.html
        new file:   sample code.doc


Rahul@Rahul MINGW64 ~/sample (master)
$ git commit -m "first commit"
[master (root-commit) d863249] first commit
 2 files changed, 23 insertions(+)
 create mode 100644 index.html
 create mode 100644 sample code.doc

Rahul@Rahul MINGW64 ~/sample (master)
$ git remote add origin https://github.com/rahul359/freshersbatch-2016.git

Rahul@Rahul MINGW64 ~/sample (master)
$ git push -u origin master



Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 2.90 KiB | 423.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'master' on GitHub by visiting:
remote:      https://github.com/rahul359/freshersbatch-2016/pull/new/master
remote:
To https://github.com/rahul359/freshersbatch-2016.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
```



Showing 2 changed files with 23 additions and 0 deletions.

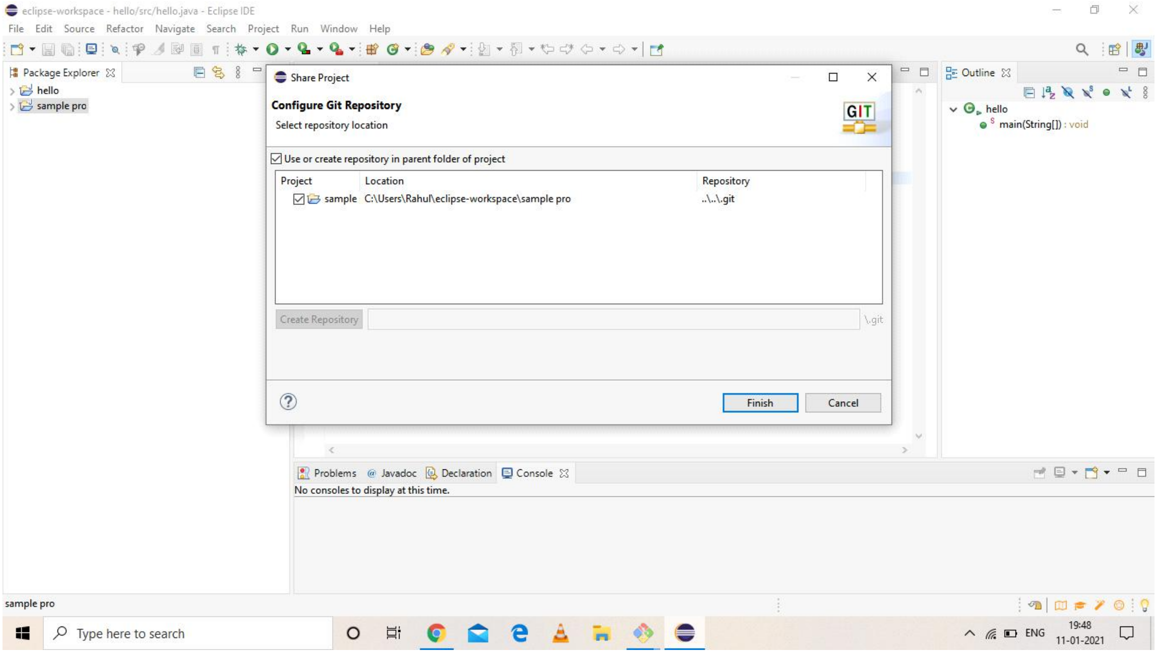
```
23 index.html

@@ -0,0 +1,23 @@
+ <!DOCTYPE html>
+
+ <html>
+ <head>
+   <meta http-equiv="Content-Type" content="text/html; charset=utf-8"/>
+   <title>Spoon-Knife</title>
+   <LINK href="styles.css" rel="stylesheet" type="text/css">
+ </head>
+
+ <body>
+
+ <img src="forkit.gif" id="octocat" alt="" />
+
+ <!-- Feel free to change this text here -->
+ <p>
+   Fork me? Fork you, @octocat!
+ </p>
+ <p>
+   Sean made a change
+ </p>
+
```

SECTION 2:



```java
public class hello {
    public static void main (String args[]) {
        System.out.println("hello");
    }

}
```

No consoles to display at this time.



Configure Git Repository

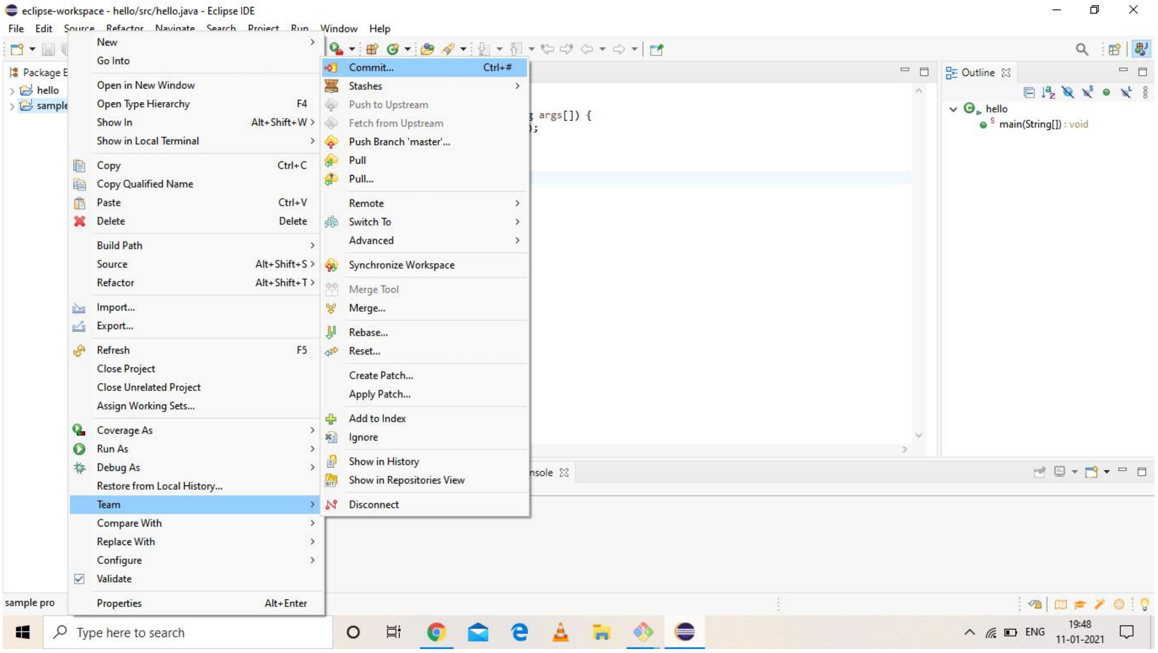
Select repository location

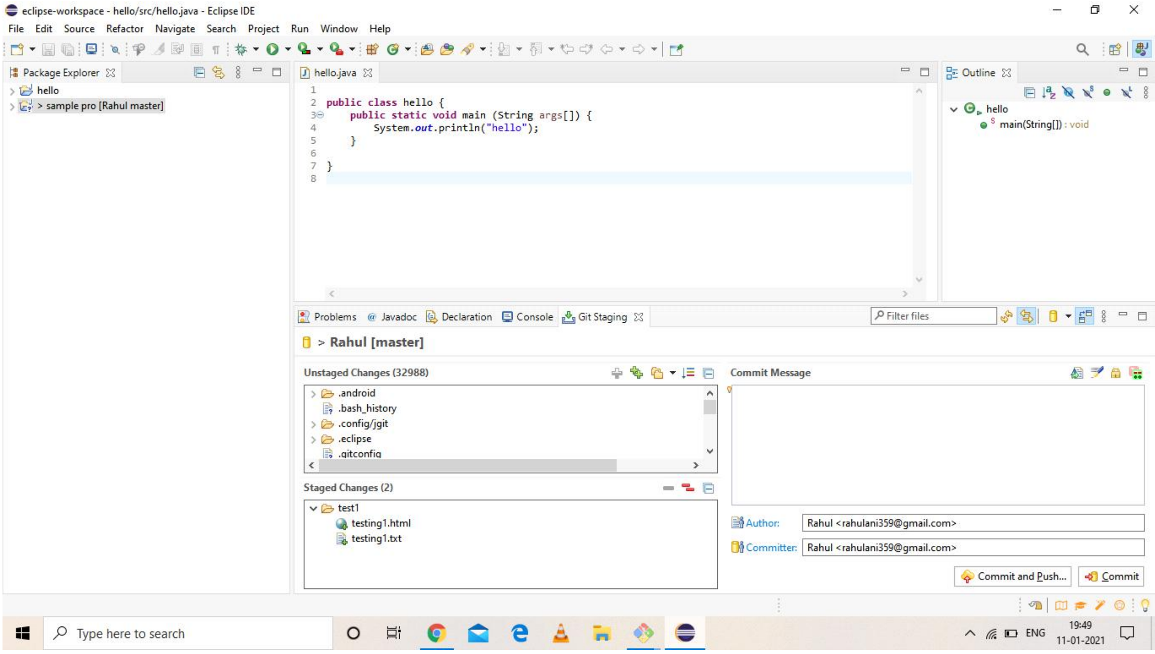
☑ Use or create repository in parent folder of project

Project	Location	Repository
☑ sample	C:\Users\Rahul\eclipse-workspace\sample pro	..\..\.git

\.git

No consoles to display at this time.

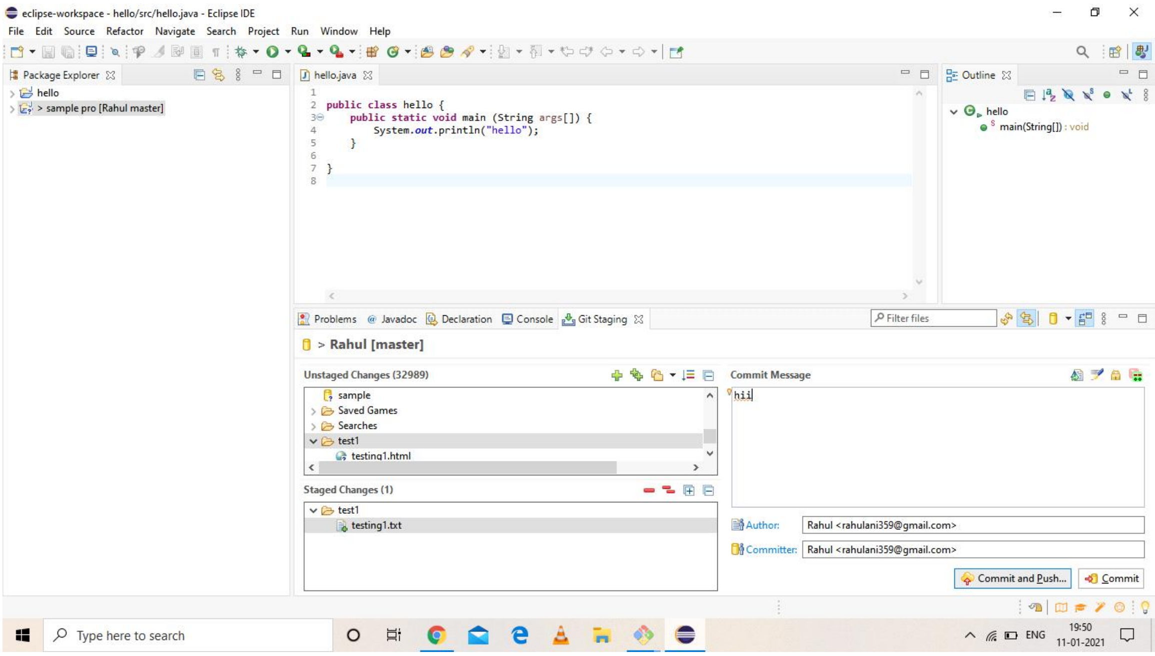




```

public class hello {
    public static void main (String args[]) {
        System.out.println("hello");
    }

}

```

Author: Rahul <rahulani359@gmail.com>

Committer: Rahul <rahulani359@gmail.com>



```
public class hello {
    public static void main (String args[]) {
        System.out.println("hello");
    }

}
```

> Rahul [master]

Unstaged Changes (32989)

- sample
- Saved Games
- Searches
- test1
  - testing1.html

Staged Changes (1)

- test1
  - testing1.txt

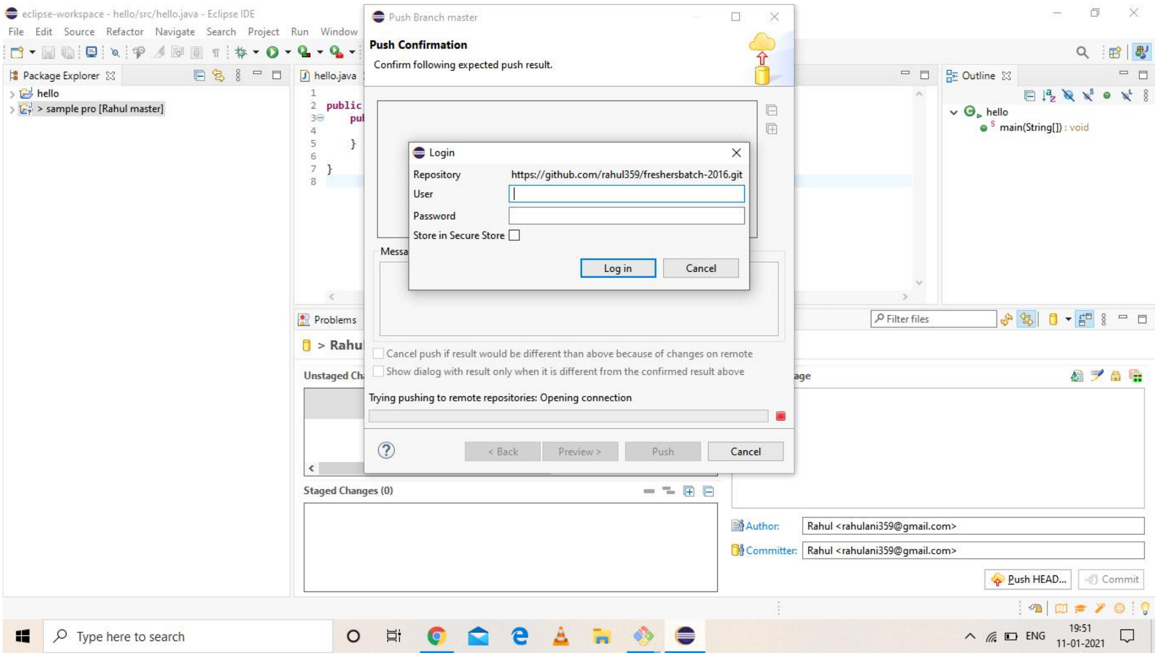
Commit Message

hii

Author: Rahul <rahulani359@gmail.com>

Committer: Rahul <rahulani359@gmail.com>

Commit and Push... | Commit



eclipse-workspace - hello/src/hello.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window
Package Explorer
hello
> sample pro [Rahul master]
hello.java
Outline
hello
main(String[]) : void
Problems
Filter files
Type here to search
ENG
19:51
11-01-2021

Push Branch master

Push Confirmation

Confirm following expected push result.

Login

Repository https://github.com/rahul359/freshersbatch-2016.git

User

Password

Store in Secure Store □

Log in | Cancel

□ Cancel push if result would be different than above because of changes on remote

□ Show dialog with result only when it is different from the confirmed result above

Trying pushing to remote repositories: Opening connection

< Back | Preview > | Push | Cancel

> Rahul

Staged Changes (0)

Author: Rahul <rahulani359@gmail.com>

Committer: Rahul <rahulani359@gmail.com>

Push HEAD... | Commit