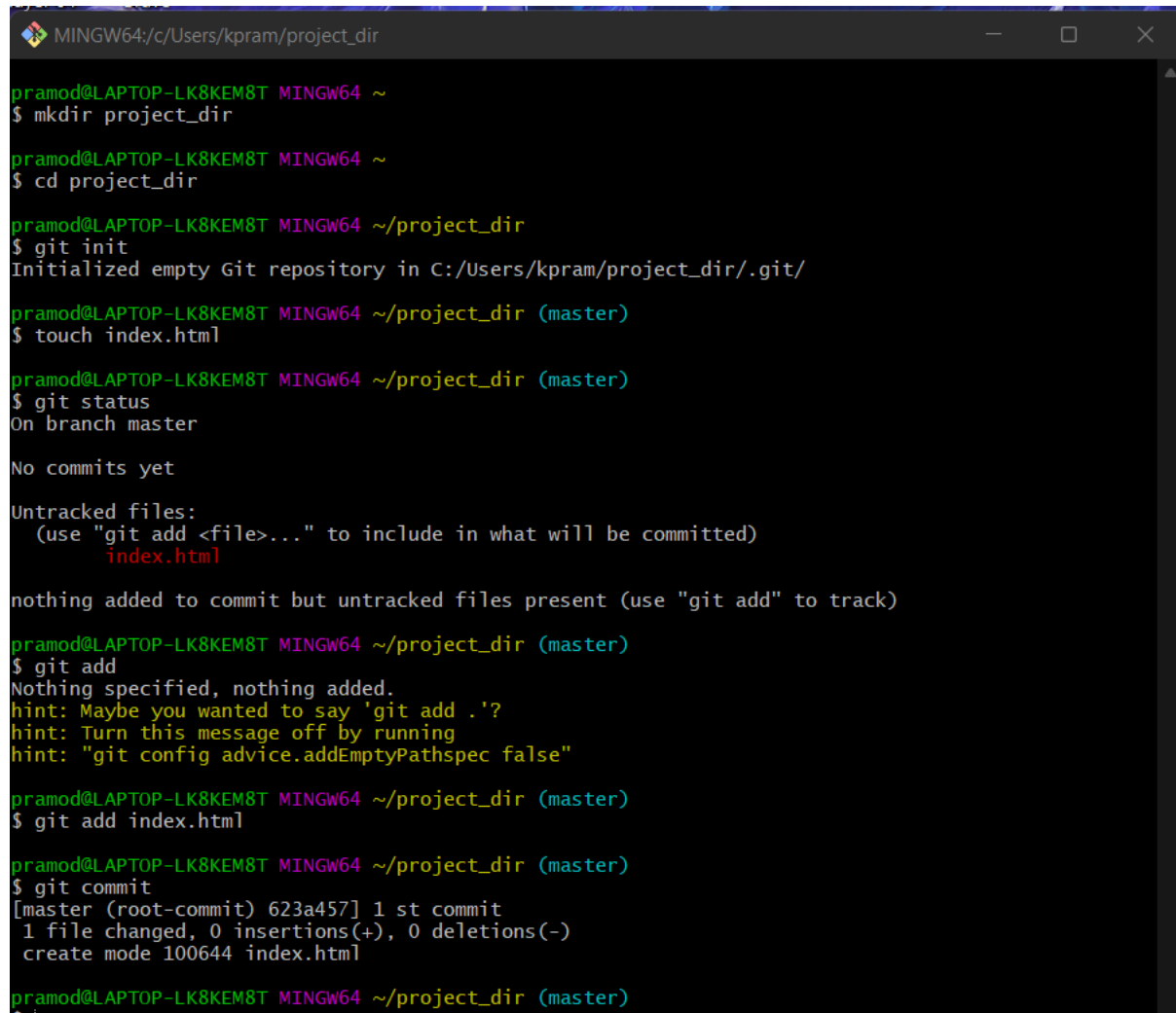


GIT – Assignment

1-6

1. Create a directory 'project_dir' & cd to 'project_dir'.
2. Initialize git version database. (git init)
3. Create a new file index.html.
4. Check the git status. You should find index.html as untracked file.
5. Stage the index.html file.
6. Commit index.html



```
MINGW64:/c/Users/kpram/project_dir
pramod@LAPTOP-LK8KEM8T MINGW64 ~
$ mkdir project_dir

pramod@LAPTOP-LK8KEM8T MINGW64 ~
$ cd project_dir

pramod@LAPTOP-LK8KEM8T MINGW64 ~/project_dir
$ git init
Initialized empty Git repository in C:/Users/kpram/project_dir/.git/

pramod@LAPTOP-LK8KEM8T MINGW64 ~/project_dir (master)
$ touch index.html

pramod@LAPTOP-LK8KEM8T 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)

pramod@LAPTOP-LK8KEM8T MINGW64 ~/project_dir (master)
$ git add
Nothing specified, nothing added.
hint: Maybe you wanted to say 'git add .'?
hint: Turn this message off by running
hint: "git config advice.addEmptyPathsSpec false"

pramod@LAPTOP-LK8KEM8T MINGW64 ~/project_dir (master)
$ git add index.html

pramod@LAPTOP-LK8KEM8T MINGW64 ~/project_dir (master)
$ git commit
[master (root-commit) 623a457] 1 st commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 index.html

pramod@LAPTOP-LK8KEM8T MINGW64 ~/project_dir (master)
```

7. Make few changes in index.html & create a new file info.txt file

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/project_dir (master)
$ touch info.txt
```

8. Check git status. You should find index.html & info.txt as untracked files

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/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")

9. Configure GIT to ignore all txt files

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/project_dir (master)
$ touch .gitignore
```

9. Configure GIT to ignore all txt files.

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

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/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")

11. Stage & commit index.html

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/project_dir (master)
$ git commit index.html
[master f77d740] 2nd commit
1 file changed, 1 insertion(+)
```

12. Log all your comments so far.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/project_dir (master)
$ git log
commit f77d740632bd15602fb52ffca10129125968b36f (HEAD -> master)
Author: pramod-kumar444 <k.pramodkumarchowdary@gmail.com>
Date: Thu Jan 20 17:40:39 2022 +0530
```

2nd commit

```
commit cf3f22cbe3a4d97641b6f30b76c8df65f1188b25
Author: pramod-kumar444 <k.pramodkumarchowdary@gmail.com>
Date: Thu Jan 20 17:26:01 2022 +0530
```

1st commit

13. Make some changes in index.html.

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

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/project_dir (master)
$ git revert
```

16. Stage index.html

17. Revert back the last stage

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/project_dir (master)
$ git add index.html
```

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/project_dir (master)
$ git revert HEAD
error: your local changes would be overwritten by revert.
hint: commit your changes or stash them to proceed.
fatal: revert failed
```

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/project_dir (master)
$
```

18. Rename 'add' command to 'my-add'.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/project_dir (master)
$ alias my-add="git add"
```

19. Using my_add command Stage index.html again & commit the changes.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/project_dir (master)
$ my-add index.html
```

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/project_dir (master)
$ git commit
[master 1b1d13f] final commit
1 file changed, 2 insertions(+)
```

20. Revert the last commit.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/project_dir (master)
$ git reset HEAD~
Unstaged changes after reset:
M      index.html
```

GIT-Branching

22. Create an empty directory 'Assignments' & cd to 'Assignments'

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop
$ mkdir assignments
```

23. Create a file README.txt inside 'Assignments' & write few lines about the contents of 'Assignments' folder.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop
$ cd assignments
```

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments
$ touch README.txt
```

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments
$ git init
Initialized empty Git repository in C:/Users/kpram/Desktop/assignments/.git/
```

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (master)
$ git add README.txt
```

24. Commit README.txt file.

25. Now create a new branch 'html-assignments'.

26. Switch to 'html-assignments' branch.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (master)
$ git commit -m "Added multiple line in readme"
[master (root-commit) d99b3c8] Added multiple line in readme
1 file changed, 2 insertions(+)
create mode 100644 README.txt
```

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (master)
$ git branch html-assignments
```

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (master)
$ git checkout html-assignments
```

Switched to branch 'html-assignments'

27. Copy all HTML assignments inside 'Assignments' folder.

28. Commit HTML assignments into 'html-assignments' branch.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (html-assignments)
$ git status
On branch html-assignments
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   about.html
    new file:   index.html
    new file:   secondpage.html

pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (html-assignments)
$ git commit -m "commit of all html assignments into html-assignments"
[html-assignments b047cc9] commit of all html assignments into html-assignments
3 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 about.html
create mode 100644 index.html
create mode 100644 secondpage.html
```

29. Make minor changes into few files belonging to 'html-assignments' branch.

30. Commit those changed files

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (html-assignments)
$ git add .

pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (html-assignments)
$ git add .

pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (html-assignments)
$ git commit -m "commit of all changed files"
[html-assignments 7178e8f] commit of all changed files
3 files changed, 3 insertions(+)
```

31. Switch to master branch.

32. Make minor changes into README.txt file & commit those changes into master

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (html-assignments)
$ git checkout master
Switched to branch 'master'

pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (master)
$ git add *.txt

pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (master)
$ git commit -m "changes made in master readme file"
[master 5fd5c64] changes made in master readme file
1 file changed, 2 insertions(+)
```

33. Again switch to 'html-assignments' branch.

34. Make minor changes into few files belonging to 'html-assignments' branch.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (master)
$ git checkout html-assignments
Switched to branch 'html-assignments'

pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (html-assignments)
$ git add .
```

35. Commit those changes.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (html-assignments)
$ git commit -m "Made some changes in html files in html-assignments branch"
[html-assignments 0e06e75] Made some changes in html files in html-assignments
branch
3 files changed, 5 insertions(+), 2 deletions(-)
```

36. Switch to master.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (html-assignments)
$ git checkout master
Switched to branch 'master'
```

37. Merge 'html-assignments' branch into master. Confirm all html assignments are shown in master.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (master)
$ git merge html-assignments
Merge made by the 'ort' strategy.
 about.html      | 2 ++
 index.html      | 3 +++
 secondpage.html | 1 +
 3 files changed, 6 insertions(+)
 create mode 100644 about.html
 create mode 100644 index.html
 create mode 100644 secondpage.html
```

38. Finally delete the 'html-assignments' branch.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (master)
$ git branch -d html-assignments
Deleted branch html-assignments (was 0e06e75).
```

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (master)
$
```

Section-2 (CSS-assignments)

1. Create a new branch 'css-assignments'.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (master)
$ git branch css-assignments
```

2. Switch to 'css-assignments' branch.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (master)
$ git checkout css-assignments
Switched to branch 'css-assignments'
```

3. Copy all CSS assignments inside 'Assignments' folder.

4. Commit CSS assignments into 'css-assignments' branch.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (css-assignments)
$ git add .
```

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (css-assignments)
$ git commit -m "committing all css files added new"
[css-assignments d4e4964] committing all css files added new
 3 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 about.css
 create mode 100644 carrers.css
 create mode 100644 contact.css
```

5. Make minor changes into README.txt file on line 1 belonging to 'css-assignments' branch.

6. Commit those changed files.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (css-assignments)
$ git add .
```

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (css-assignments)
$ git commit -m "commit changes made in readme file for css"
[css-assignments 1c88f83] commit changes made in readme file for css
 1 file changed, 2 insertions(+)
```

7. Switch to master branch

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (css-assignments)
$ git checkout master
Switched to branch 'master'
```

8. Make minor changes into README.txt file on line 3 & commit those changes into master

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/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")

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (master)
$ git add .
```

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (master)
$ git commit -m "changes made in readme in master branch"
[master 73385f2] changes made in readme in master branch
1 file changed, 1 insertion(+)
```

9. Again switch to 'css-assignments' branch

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (master)
$ git checkout css-assignments
Switched to branch 'css-assignments'
```

10. Make minor changes into few files belonging to 'css-assignments' branch.

11. Commit those changes.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (css-assignments)
$ git add .

pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (css-assignments)
$ git commit -m "made some changes in css files in css-assignments branch"
[css-assignments 11e4a4f] made some changes in css files in css-assignments branch
2 files changed, 2 insertions(+)
```

12. Switch to master.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (css-assignments)
$ git checkout master
Switched to branch 'master'
```

13. Merge 'css-assignments' branch into master. Confirm all css assignments are shown in master.

14. Finally delete the 'css-assignments' branch.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (master|MERGING)
$ git branch -D css-assignments
Deleted branch css-assignments (was 11e4a4f).
```

Section-3 (Java script assignments)

1. Create a new branch 'js-assignments'.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (master)
$ git init
Reinitialized existing Git repository in C:/Users/kpram/Desktop/assignments/.git/
```

2. Switch to 'js-assignments' branch.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (master)
```

```
$ git branch js-assignments
```

3. Copy all JavaScript assignments inside 'Assignments' folder.
4. Commit JavaScript assignments into 'js-assignments' branch.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (master)
$ git checkout js-assignments
Switched to branch 'js-assignments'
```

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (js-assignments)
$ git status
On branch js-assignments
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    about.css
    app.js
    carrers.css
    contact.css
    head.js
```

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

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (js-assignments)
$ git add .
```

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (js-assignments)
$ git commit -m "copied all javascript assignments"
[js-assignments 2f25540] copied all javascript assignments
5 files changed, 2 insertions(+)
create mode 100644 about.css
create mode 100644 app.js
create mode 100644 carrers.css
create mode 100644 contact.css
create mode 100644 head.js
```

5. Make minor changes into README.txt file on line 1 belonging to 'js-assignments' branch.
6. Commit those changed files.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (js-assignments)
$ git add .
```

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (js-assignments)
$ git commit -m "changes made in readme file in js assignments"
[js-assignments cd35137] changes made in readme file in js assignments
1 file changed, 2 insertions(+), 1 deletion(-)
```

7. Switch to master branch.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (js-assignments)
$ git checkout master
Switched to branch 'master'
```

8. Make minor changes into README.txt file on line 1 & commit those changes into master.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/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")

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (master)
$ git add .
```

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (master)
$ git commit -m "changes made in readme file in master branch"
[master 06be288] changes made in readme file in master branch
1 file changed, 2 insertions(+), 1 deletion(-)
```

9. Again switch to 'js-assignments' branch

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (master)
$ git checkout js-assignments
Switched to branch 'js-assignments'
```

10. Make minor changes into few files belonging to 'js-assignments' branch.

11. Commit those changes.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (js-assignments)
$ git add .
```

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (js-assignments)
$ git commit -m "changes made in app.js files"
[js-assignments 4ca4141] changes made in app.js files
2 files changed, 2 insertions(+)
```

12. Switch to master.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (js-assignments)
$ git checkout master
Switched to branch 'master'
```

13. Merge 'js-assignments' branch into master. Confirm all JavaScript assignments are shown in master. 14. Finally delete the 'js-assignments' branch.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (master)
$ git merge js-assignments
```

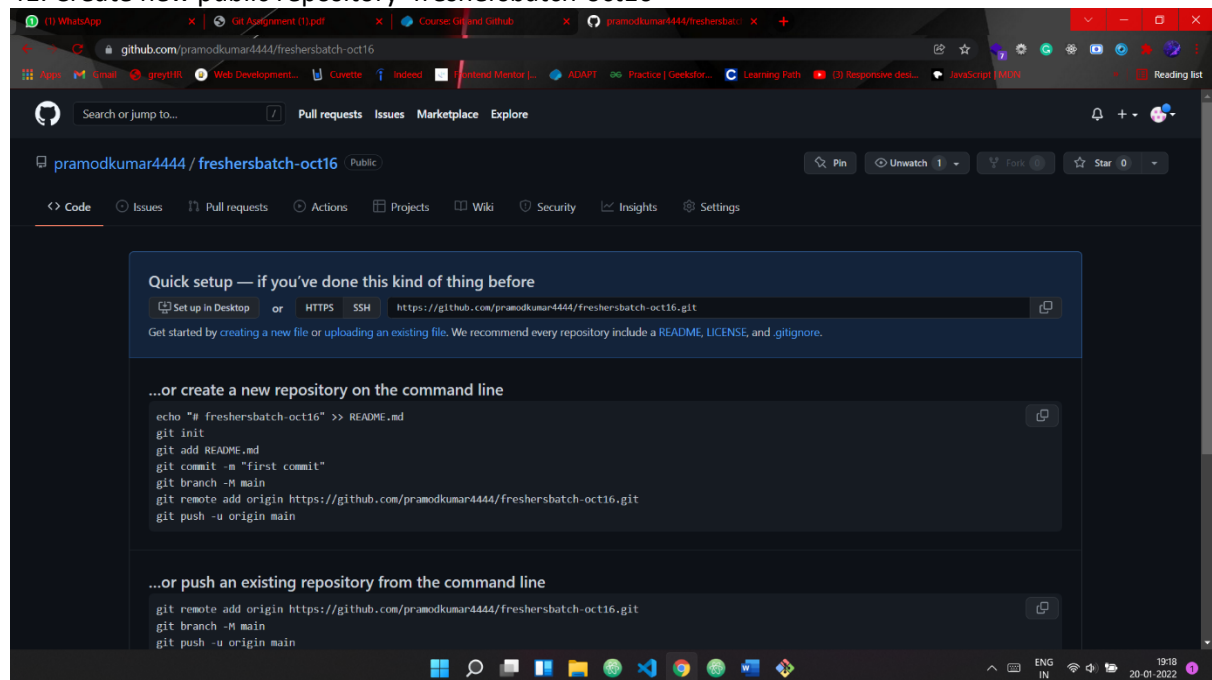
```
pramod@LAPTOP-LK8KEM8T MINGW64 ~/desktop/assignments (master)
$ git branch -D js-assignments
Deleted branch js-assignments (was 4ca4141).
```

GIT-Remoting

39. Create a github account if you do not have already.

40. Login on into github account.

41. Create new public repository 'freshersbatch-oct16'



42. Commit & push any sample file to this repository under 'Assignments' directory.

```
pramod@LAPTOP-LK8KEM8T MINGW64 ~ (main)
$ git init
Reinitialized existing Git repository in C:/Users/kpram/.git/

pramod@LAPTOP-LK8KEM8T MINGW64 ~ (main)
$ git add README.md
warning: LF will be replaced by CRLF in README.md.
The file will have its original line endings in your working directory

pramod@LAPTOP-LK8KEM8T MINGW64 ~ (main)
$ git commit -m "first commit"
[main ce12ca6] first commit
1 file changed, 2 insertions(+)

pramod@LAPTOP-LK8KEM8T MINGW64 ~ (main)
$ git branch -M main

pramod@LAPTOP-LK8KEM8T MINGW64 ~ (main)
$ git remote add origin https://github.com/pramodkumar4444/freshersbatch-oct16.git
error: remote origin already exists.

pramod@LAPTOP-LK8KEM8T MINGW64 ~ (main)
$ git push -u origin main
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (6/6), 484 bytes | 484.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/pramodkumar4444/freshersbatch-oct16.git
 * [new branch]      main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.
```