ASSIGNMENTS

GIT AND GITHUB

SECTION-0

```
LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/project_dir (master)
$ git log
commit 1e9adcc9eaed98ff8a81668ecc59eb44532adbc4 (HEAD -> master)
Author: Rajeev Kumar <me@mydomain.com>
Date:    Sat Jan 15 16:56:48 2022 +0530

    second commit

commit af7c4cda4250c127fdc923d626958983bc2397bf
Author: Rajeev Kumar <me@mydomain.com>
Date:    Sat Jan 15 16:53:39 2022 +0530

    first commit

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/project_dir (master)
$ nano index.html

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/project_dir (master)
$ cat index.html
<html>
<title>
section0 assignment
</title>
<body>
<h1>git and github</h1>
<p>first assignment</p>
</body>
</html>


LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/project_dir (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

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/project_dir (master)
$ git commit -m'third commit'
[master ad76e80] third commit
 1 file changed, 1 insertion(+), 1 deletion(-)

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/project_dir (master)
$ git log
commit ad76e806954484cea985f6cc3200e8ea4ff86c38 (HEAD -> master)
Author: Rajeev Kumar <me@mydomain.com>
Date:    Sat Jan 15 16:58:21 2022 +0530

    third commit

commit 1e9adcc9eaed98ff8a81668ecc59eb44532adbc4
Author: Rajeev Kumar <me@mydomain.com>
Date:    Sat Jan 15 16:56:48 2022 +0530
```

```
    second commit

commit af7c4cda4250c127fdc923d626958983bc2397bf
Author: Rajeev Kumar <me@mydomain.com>
Date:    Sat Jan 15 16:53:39 2022 +0530

    first commit

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/project_dir (master)
$ git revert ad76e806954484cea985f6cc3200e8ea4ff86c38
[master 41b5b3c] Revert "third commit"
 1 file changed, 1 insertion(+), 1 deletion(-)

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/project_dir (master)
$ git add index.html

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/project_dir (master)
$ git add index.html

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/project_dir (master)
$ git restore --staged
fatal: you must specify path(s) to restore

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/project_dir (master)
$ git restore --staged
fatal: you must specify path(s) to restore

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/project_dir (master)
$ git restore --staged .

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/project_dir (master)
$ git status
On branch master
nothing to commit, working tree clean

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/project_dir (master)
$ git restore index.html

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/project_dir (master)
$ cat index.html
<html>
<title>
section0 assignment
</title>
<body>
<p>git and github</p>
<p>first assignment</p>
</body>
</html>

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/project_dir (master)
```

```
LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/project_dir (master)
$ alias my-add="git add ."

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/project_dir (master)
$ my-add

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/project_dir (master)
$ git log
commit 41b5b3caa5e7d772ca0799edcaeff2f4ad1cc3a5 (HEAD -> master)
Author: Rajeev Kumar <me@mydomain.com>
Date:   Sat Jan 15 16:59:11 2022 +0530

    Revert "third commit"

    This reverts commit ad76e806954484cea985f6cc3200e8ea4ff86c38.

commit ad76e806954484cea985f6cc3200e8ea4ff86c38
Author: Rajeev Kumar <me@mydomain.com>
Date:   Sat Jan 15 16:58:21 2022 +0530

    third commit

commit 1e9adcc9eaed98ff8a81668ecc59eb44532adbc4
Author: Rajeev Kumar <me@mydomain.com>
Date:   Sat Jan 15 16:56:48 2022 +0530

    second commit

commit af7c4cda4250c127fdc923d626958983bc2397bf
Author: Rajeev Kumar <me@mydomain.com>
Date:   Sat Jan 15 16:53:39 2022 +0530

    first commit

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/project_dir (master)
$ git revert 41b5b3caa5e7d772ca0799edcaeff2f4ad1cc3a5
[master 9a60492] Revert "Revert "third commit""
 1 file changed, 1 insertion(+), 1 deletion(-)

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/project_dir (master)
$ cat index.html
<html>
<title>
section0 assignment
</title>
<body>
<h1>git and github</h1>
<p>first assignment</p>
</body>
</html>
```

SECTION-1

```
LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS
$ mkdir assignment

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS
$ cd assignment

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment
$ git init
Initialized empty Git repository in D:/RajeevJFS/assignment/.git/

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ nano README.txt

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git commit -m"this is first commit"
On branch master

Initial commit

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

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

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git branch html-assignment
fatal: Not a valid object name: 'master'.

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git checkout html-assignment
error: pathspec 'html-assignment' did not match any file(s) known to git

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git checkout -b html-assignment
Switched to a new branch 'html-assignment'

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (html-assignment)
$ git statis
git: 'statis' is not a git command. See 'git --help'.

The most similar command is
        status

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (html-assignment)
$ git status
On branch html-assignment

No commits yet

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

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

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

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (html-assignment)
$ git commit -a -m "second commit"
On branch html-assignment

Initial commit

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

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

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (html-assignment)
$ 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

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (html-assignment)
$ git add README.txt

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (html-assignment)
$ git commit -m"third commit"
[html-assignment (root-commit) 0e0b919] third commit
 1 file changed, 3 insertions(+)
 create mode 100644 README.txt

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (html-assignment)
$ git checkout -b master
Switched to a new branch 'master'

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ nano README.txt

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git commit -m"fourth commit"
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")

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git checkout -b html-assignment
fatal: A branch named 'html-assignment' already exists.
```

Activate Windows
Go to Settings to activate Windows.


```
LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git checkout -b html-assignment
fatal: A branch named 'html-assignment' already exists.

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git switch html-assignment
Switched to branch 'html-assignment'
M       README.txt

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (html-assignment)
$ git commit -m "commit"
On branch html-assignment
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")

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (html-assignment)
$ git switch master
Switched to branch 'master'
M       README.txt

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git log
commit 0e0b91996ccc281a3dab601d505466bd6644c019 (HEAD -> master, html-assignment
)
Author: Rajeev Kumar <me@mydomain.com>
Date:   Sat Jan 15 17:57:11 2022 +0530

    third commit

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git merge html-assignment
Already up to date.

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git branch -d html-assignment
Deleted branch html-assignment (was 0e0b919).

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ ^C

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ |
```

Activate Windows
Go to Settings to activate Windows.

SECTION-2

```
MINGW64:/d/RajeevJFS/assignment                                                                    —  □  ×

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git branch css-assignments

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git checkout css-assignments
Switched to branch 'css-assignments'
M       README.txt

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (css-assignments)
$ vi style.css

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (css-assignments)
$ git add style.css
warning: LF will be replaced by CRLF in style.css.
The file will have its original line endings in your working directory

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (css-assignments)
$ git commit -m'first commit'
git: 'commit' is not a git command. See 'git --help'.

The most similar command is
        commit

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (css-assignments)
$ git commit -m'first commit'
[css-assignments 4ff4b7c] first commit
 1 file changed, 60 insertions(+)
 create mode 100644 style.css

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (css-assignments)
$ vi README.txt

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (css-assignments)
$ git checkout master
Switched to branch 'master'
M       README.txt

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (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

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git commit -m 'second commit'
[master 921f5c9] second commit
 1 file changed, 3 insertions(+), 1 deletion(-)

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git checkout css-assignments
Switched to branch 'css-assignments'

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (css-assignments)
```

```
LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (css-assignments)
$ vi style.css

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (css-assignments)
$ vi style.css

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (css-assignments)
$ git add style.css

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (css-assignments)
$ git commit -m 'third assignment'
On branch css-assignments
nothing to commit, working tree clean

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (css-assignments)
$ git checkout master
Switched to branch 'master'

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ ls
README.txt

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git merge css-assignments
Merge made by the 'ort' strategy.
 style.css | 60 ++++++++++++++++++++++++++++++++++++++++++++++++++++++++
 1 file changed, 60 insertions(+)
 create mode 100644 style.css

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git branch --merged
  css-assignments
* master

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git branch -d css-assignments
Deleted branch css-assignments (was 4ff4b7c).

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$
```

SECTION-3


```
LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git branch js-assignments

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git checkout js-assignments
Switched to branch 'js-assignments'

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (js-assignments)
$ vi rajeev.js

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (js-assignments)
$ cat rajeev.js
// store input numbers
const num1 = parseInt(prompt('Enter the first number '));
const num2 = parseInt(prompt('Enter the second number '));

//add two numbers
const sum = num1 + num2;

// display the sum
console.log(`The sum of ${num1} and ${num2} is ${sum}`);

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (js-assignments)
$ git add rajeev.js
warning: LF will be replaced by CRLF in rajeev.js.
The file will have its original line endings in your working directory

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (js-assignments)
$ git commit -m'first commit'
[js-assignments 3bf9f85] first commit
 1 file changed, 9 insertions(+)
 create mode 100644 rajeev.js

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (js-assignments)
$ vi README.txt

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (js-assignments)
$ git add README.txt

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (js-assignments)
$ git commit -m'second commit'
[js-assignments d83d85e] second commit
 1 file changed, 1 insertion(+), 1 deletion(-)

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (js-assignments)
$ git checkout master
Switched to branch 'master'

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ vi README.txt

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
```

```
$ vi README.txt

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git add README.txt

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git commit -m'third commit'
[master 9cfc7c4] third commit
 1 file changed, 1 insertion(+), 2 deletions(-)

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git checkout js-assignments
Switched to branch 'js-assignments'

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (js-assignments)
$ vi rajeev.js

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (js-assignments)
$ git add rajeev.js

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (js-assignments)
$ git commit -m'fourth commit'
[js-assignments 7801720] fourth commit
 1 file changed, 2 insertions(+), 2 deletions(-)

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (js-assignments)
$ git checkout master
Switched to branch 'master'

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git merge js-assignments
Auto-merging README.txt
CONFLICT (content): Merge conflict in README.txt
Automatic merge failed; fix conflicts and then commit the result.

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master|MERGING)
$ vi README.txt

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master|MERGING)
$ git add README.txt

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master|MERGING)
$ git commit -m'fifth commit'
[master a853f79] fifth commit

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git merge js-assignments
Already up to date.

LENOVO@DESKTOP-Q5LFJ07 MINGW64 /d/RajeevJFS/assignment (master)
$ git branch --merged
  js-assignments
* master
```

```
LENOVO@DESKTOP-Q5LFJO7 MINGW64 /d/RajeevJFS/assignment (master)
$ git branch --merged
  js-assignments
* master

LENOVO@DESKTOP-Q5LFJO7 MINGW64 /d/RajeevJFS/assignment (master)
$ git branch -d js-assignments
Deleted branch js-assignments (was 7801720).

LENOVO@DESKTOP-Q5LFJO7 MINGW64 /d/RajeevJFS/assignment (master)
$ ls
README.txt  rajeev.js  style.css

LENOVO@DESKTOP-Q5LFJO7 MINGW64 /d/RajeevJFS/assignment (master)
$ git merge js-assignments
```