

GIT BRANCHING

Section 1: HTML Assignments

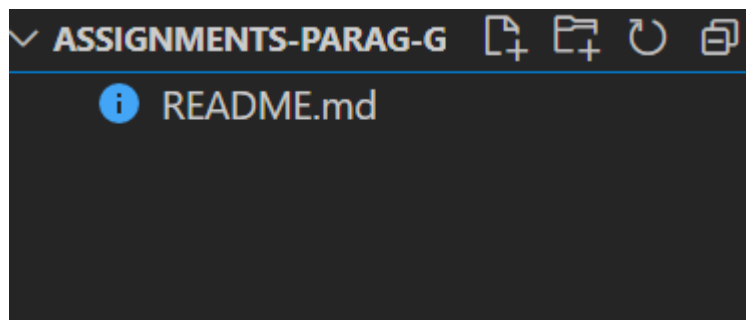
1. Create an empty directory 'Assignments' and cd to 'Assignments'

MINGW64:/c/Users/PAGAWDE/Desktop/Assignments-Parag-G

```
pagawde@LIN24004342 MINGW64 ~/Desktop
$ cd Assignments-Parag-G/

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ |
```

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



3. Commit README.txt file

```
pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ git add .

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ git commit -m "Adding more info into readme"
[main ea7b44c] Adding more info into readme
Committer: Parag G <parag.gawde@cag Gemini.com>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly:

    git config --global user.name "Your Name"
    git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 1 insertion(+)

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ |
```


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

```
pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ git branch html-assignments

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ git branch
  html-assignments
* main

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ |
```

5. Switch to 'html-assignments' branch

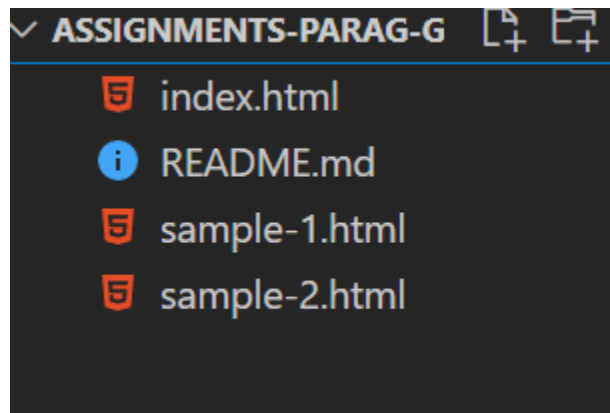
 MINGW64:/c/Users/PAGAWDE/Desktop/Assignments-Parag-G

```
pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ git checkout html-assignments
Switched to branch 'html-assignments'

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (html-assignments)
$ git branch
* html-assignments
  main

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (html-assignments)
$ |
```

6. Copy all HTML assignments inside 'Assignments' folder



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

```

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (html-assignments)
$ git add .

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (html-assignments)
$ git commit -m "Adding sample HTML files"
[html-assignments 44ea1e2] Adding sample HTML files
Committer: Parag G <parag.gawde@capgemini.com>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly:

    git config --global user.name "Your Name"
    git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

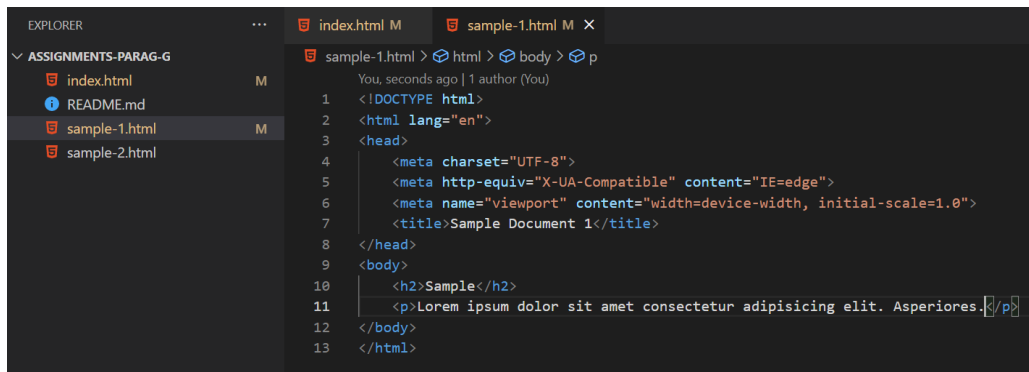
    git commit --amend --reset-author

3 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 index.html
create mode 100644 sample-1.html
create mode 100644 sample-2.html

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (html-assignments)
$ |

```

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



9. Commit those changed files

```

MINGW64:/c/Users/PAGAWDE/Desktop/Assignments-Parag-G

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (html-assignments)
$ git status
On branch html-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:   index.html
        modified:   sample-1.html

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

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (html-assignments)
$ git commit -a -m "Changed some files"
[html-assignments 7cb9768] Changed some files
  Committer: Parag G <parag.gawde@capgemini.com>
  Your name and email address were configured automatically based
  on your username and hostname. Please check that they are accurate.
  You can suppress this message by setting them explicitly:

    git config --global user.name "Your Name"
    git config --global user.email you@example.com

  After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

2 files changed, 26 insertions(+)

```

10. Switch to master

```

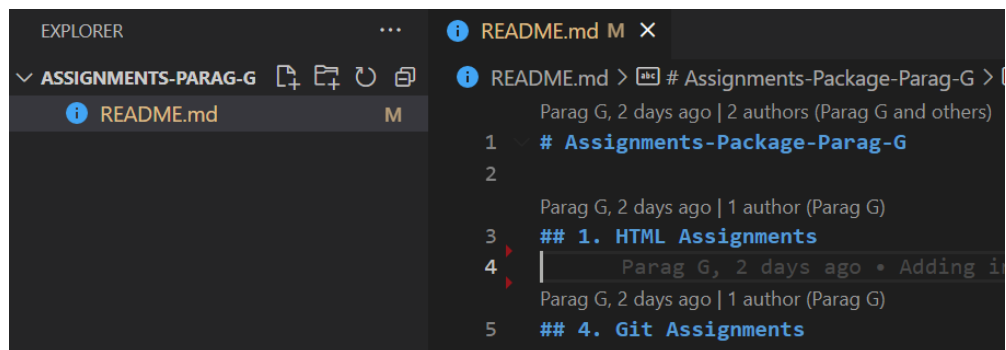
MINGW64:/c/Users/PAGAWDE/Desktop/Assignments-Parag-G

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (html-assignments)
$ git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ |

```

11. Make minor changes into README.txt file and commit those changes into master



12. Commit those changes

```

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ git commit -a -m "Made some changes in readme"
[main 6cf0485] Made some changes in readme
Committer: Parag G <parag.gawde@capgemini.com>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly:

    git config --global user.name "Your Name"
    git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 2 deletions(-)

```

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

```

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ git rebase html-assignments
Successfully rebased and updated refs/heads/main.

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ ls
README.md  index.html  sample-1.html  sample-2.html

```

14. Finally delete the 'html-assignments' branch

```

MINGW64:/c/Users/PAGAWDE/Desktop/Assignments-Parag-G


pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ git branch -d html-assignments
Deleted branch html-assignments (was 7cb9768).

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ git log --oneline
1a3ecc7 (HEAD -> main, origin/main, origin/HEAD) Made some changes in readme
7cb9768 Changed some files
44ea1e2 Adding sample HTML files
ea7b44c Adding more info into readme
a963c39 Adding into readme
c499980 Removing unnecessary files
6790e75 Merge pull request #1 from gawdeparag/about-git
c6f3713 Merge branch 'about-git' of https://github.com/gawdeparag/Assignments-Parag-G into about-git
074de49 Added about github
97414c0 Added about us
b55e881 Added git assignment heading
ce2408b Added main
9b72a23 Added about github
8b416cc Added about us
829bb67 First commit
a60e2d6 Initial commit

```

Section 2: CSS Assignments


1. Create a new branch 'css-assignments'

 MINGW64:/c/Users/PAGAWDE/Desktop/Assignments-Parag-G

```
pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ git branch css-assignments

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ git branch
css-assignments
js-assignments
* main
```

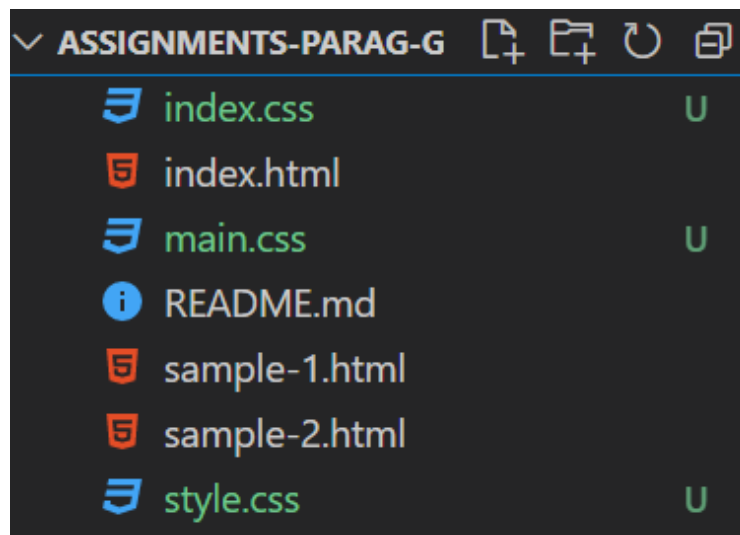
2. Switch to 'css-assignments'

 MINGW64:/c/Users/PAGAWDE/Desktop/Assignments-Parag-G

```
pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ git checkout css-assignments
Switched to branch 'css-assignments'

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (css-assignments)
```

3. Copy all CSS assignments into 'Assignments'



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

```

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (css-assignments)
$ git add *.css

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (css-assignments)
$ git commit -m "Adding some css files"
[css-assignments 92eb055] Adding some css files
Committer: Parag G <parag.gawde@capgemini.com>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly:

    git config --global user.name "Your Name"
    git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

3 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 index.css
create mode 100644 main.css
create mode 100644 style.css

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (css-assignments)
$ |

```

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

```

i README.md M X
i README.md > abc # Assignments-Package-Parag-G
    You, seconds ago | 3 authors (Parag G and others)
1  # Assignments-Package-Parag-G
2
    You, seconds ago | 2 authors (You and others)
3  ## 1. CSS Assignments
4
    Parag G, 2 days ago | 1 author (Parag G)
5  ## 4. Git Assignments
6

```

6. Commit those changed files

```

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (css-assignments)
$ git commit -a -m "Minor changes in Readme"
[css-assignments 2dfa23e] Minor changes in Readme
Committer: Parag G <parag.gawde@capgemini.com>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly:

    git config --global user.name "Your Name"
    git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

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

```

7. Switch to master branch

MINGW64:/c/Users/PAGAWDE/Desktop/Assignments-Parag-G

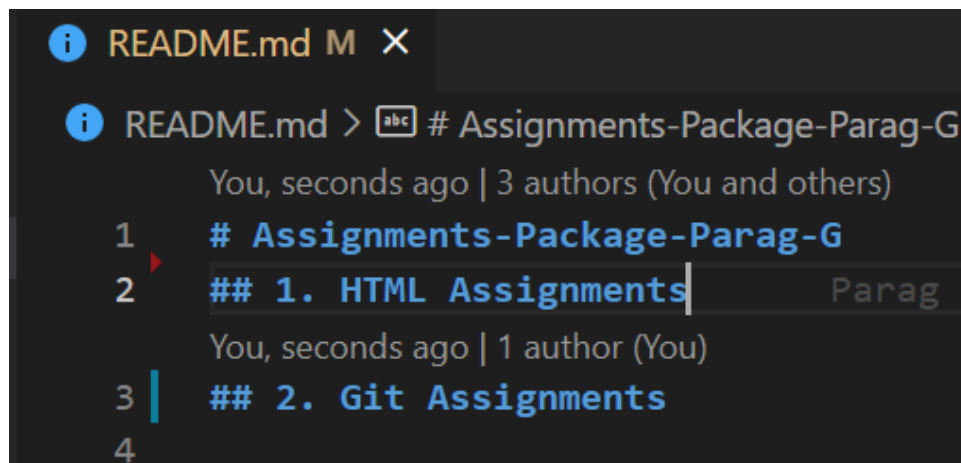
```

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (css-assignments)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ |

```

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



```

i README.md M X
i README.md > abc # Assignments-Package-Parag-G
    You, seconds ago | 3 authors (You and others)
1  # Assignments-Package-Parag-G
2  ## 1. HTML Assignments
    You, seconds ago | 1 author (You)
3  ## 2. Git Assignments
4

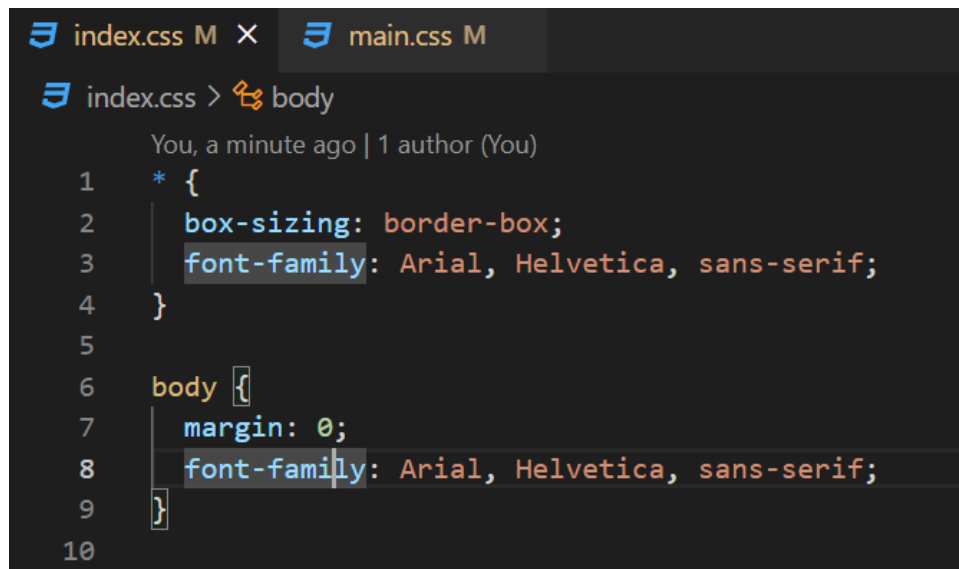
```


9. Again, switch to 'css-assignments' branch

```
pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ git checkout css-assignments
Switched to branch 'css-assignments'

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (css-assignments)
$ |
```

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



```
index.css M × main.css M
index.css > body
You, a minute ago | 1 author (You)
1 * {
2   box-sizing: border-box;
3   font-family: Arial, Helvetica, sans-serif;
4 }
5
6 body {
7   margin: 0;
8   font-family: Arial, Helvetica, sans-serif;
9 }
10
```

11. Commit those changes

```
MINGW64:/c/Users/PAGAWDE/Desktop/Assignments-Parag-G

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (css-assignments)
$ git commit -a -m "Minor changes in css files"
[css-assignments 72b226b] Minor changes in css files
Committer: Parag G <parag.gawde@cpgemini.com>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly:

    git config --global user.name "Your Name"
    git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

2 files changed, 13 insertions(+)
pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (css-assignments)
```

12. Switch to master


```

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (css-assignments)
$ git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ |

```

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

 MINGW64:/c/Users/PAGAWDE/Desktop/Assignments-Parag-G

```

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ git merge css-assignments
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
Automatic merge failed; fix conflicts and then commit the result.

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main|MERGING)
$ git commit -a -m "Resolved merge conflict in readme"
[main 5dc5926] Resolved merge conflict in readme
Committer: Parag G <parag.gawde@capgemini.com>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly:

    git config --global user.name "Your Name"
    git config --global user.email you@example.com


After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ git merge css-assignments
Already up to date.

```

14. Finally delete the 'css-assignments' branch

 MINGW64:/c/Users/PAGAWDE/Desktop/Assignments-Parag-G

```

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ git branch -d css-assignments
Deleted branch css-assignments (was 72b226b).

```

Section 3: JavaScript Assignments

1. Create a new branch 'js-assignments' and Switch to 'js-assignments'

For creating a new branch: **git branch js-assignments**

```
pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ git checkout js-assignments
Switched to branch 'js-assignments'

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (js-assignments)
$ |
```

2. Copy all JavaScript assignments inside 'Assignments' folder

```
pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (js-assignments)
$ ls
README.md app.js index.js main.js sample-app-1.js sample-app-2.js sample-app-3.js
```

3. Commit JavaScript assignments into 'js-assignments' branch

```
pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (js-assignments)
$ git add .

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (js-assignments)
$ git commit -m "Adding new js files"
[js-assignments 5f9d662] Adding new js files
Committer: Parag G <parag.gawde@capgemini.com>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly:

    git config --global user.name "Your Name"
    git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

3 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 sample-app-1.js
create mode 100644 sample-app-2.js
create mode 100644 sample-app-3.js

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (js-assignments)
$ |
```

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

```
MINGW64/c/Users/PAGAWDE/Desktop/Assignments-Parag-G
GNU nano 5.6.1 README.md
# Assignments-Package-Parag-G

## 1. JS Assignments

## 2. Git Assignments
```

5. Commit those changed files

```

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (js-assignments)
$ git add .

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (js-assignments)
$ git commit -m "Adding new js files"
[js-assignments 5f9d662] Adding new js files
Committer: Parag G <parag.gawde@capgemini.com>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly:

    git config --global user.name "Your Name"
    git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

3 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 sample-app-1.js
create mode 100644 sample-app-2.js
create mode 100644 sample-app-3.js

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (js-assignments)
$ |

```

6. Switch to master branch

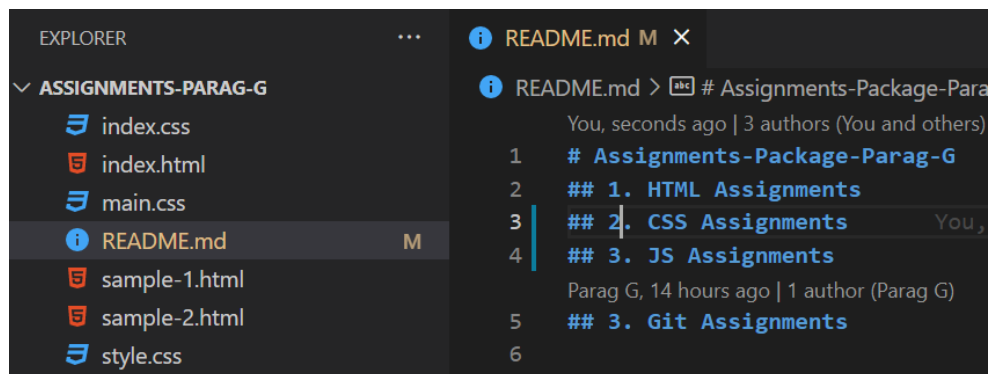
```

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (js-assignments)
$ git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 5 commits.
(use "git push" to publish your local commits)

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ |

```

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



8. Again, switch to 'js-assignments' branch

```
pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ git checkout js-assignments
Switched to branch 'js-assignments'

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (js-assignments)
$ |
```

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

MINGW64:/c/Users/PAGAWDE/Desktop/Assignments-Parag-G

```
GNU nano 5.6.1 main.js
console.log("Hello world");
```

10. Commit those changes

```
pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (js-assignments)
$ git commit -a -m "refactor: add some code to main and app file"
warning: LF will be replaced by CRLF in app.js.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in main.js.
The file will have its original line endings in your working directory
[js-assignments 10fd4f3] refactor: add some code to main and app file
Committer: Parag G <parag.gawde@capgemini.com>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly:

    git config --global user.name "Your Name"
    git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

2 files changed, 3 insertions(+)
```

11. Switch to master

MINGW64:/c/Users/PAGAWDE/Desktop/Assignments-Parag-G

```
pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (js-assignments)
$ git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 6 commits.
(use "git push" to publish your local commits)

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ |
```

12. Merge 'js-assignments' branch into master. Confirm all JavaScript assignments are shown in master

```

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ git merge js-assignments
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
Automatic merge failed; fix conflicts and then commit the result.

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main|MERGING)
$ git commit -a -m "fix: resolve merge conflicts in readme"
[main e004d5f] fix: resolve merge conflicts in readme
Committer: Parag G <parag.gawde@capgemini.com>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly:

    git config --global user.name "Your Name"
    git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ git merge js-assignments
Already up to date.

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ |

```

13. Finally delete the 'js-assignments' branch

```

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ git branch
  js-assignments
* main

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ git branch -d js-assignments
Deleted branch js-assignments (was 10fd4f3).

pagawde@LIN24004342 MINGW64 ~/Desktop/Assignments-Parag-G (main)
$ git branch
* main

```