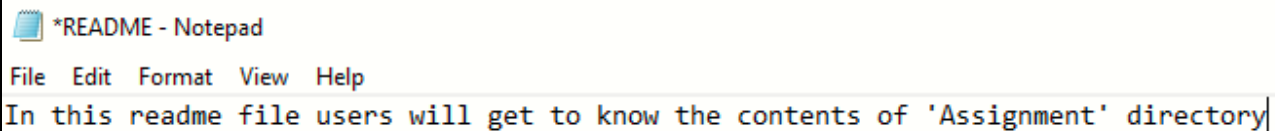# ASSIGNMENT 1.1-

GIT Branching-

Objective: Commit HTML, CSS & JavaScript assignments into GIT.
SECTION-1 (HTML assignments) - Steps to follow:

21. First take a backup of your assignments & projects. This is required because due to incorrect GIT operation you may lose your files.
22. Create an empty directory 'Assignments' & cd to 'Assignments'.
23. Create a file README.txt inside 'Assignments' & write few lines about the contents of 'Assignments' folder.

```
hp@aa2410 MINGW64 ~
$ mkdir Assignments

hp@aa2410 MINGW64 ~
$ cd Assignments

hp@aa2410 MINGW64 ~/Assignments
$ git init
Initialized empty Git repository in C:/Users/hp/Assignments/.git/

hp@aa2410 MINGW64 ~/Assignments (master)
$ touch README.txt
```

```
*README - Notepad
File  Edit  Format  View  Help
In this readme file users will get to know the contents of 'Assignment' directory
```

25. Now create a new branch 'html-assignments'.
26. Switch to 'html-assignments' branch.

```
hp@aa2410 MINGW64 ~/Assignments (master)
$ git add README.txt

hp@aa2410 MINGW64 ~/Assignments (master)
$ git commit -m "Added README file"
[master (root-commit) 9b66afd] Added README file
 1 file changed, 1 insertion(+)
 create mode 100644 README.txt

hp@aa2410 MINGW64 ~/Assignments (master)
$ git branch html_assignments
```

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

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

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

30. Commit those changed files.

```
hp@aa2410 MINGW64 ~/Assignments (master)
$ git checkout html_assignments
Switched to branch 'html_assignments'

hp@aa2410 MINGW64 ~/Assignments (html_assignments)
$ touch a1.html

hp@aa2410 MINGW64 ~/Assignments (html_assignments)
$ touch a2.html

hp@aa2410 MINGW64 ~/Assignments (html_assignments)
$ touch a3.html

hp@aa2410 MINGW64 ~/Assignments (html_assignments)
$ git add .

hp@aa2410 MINGW64 ~/Assignments (html_assignments)
$ git commit -m "Added all html assignments"
[html_assignments 7dce29f] Added all html assignments
 3 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 a1.html
 create mode 100644 a2.html
 create mode 100644 a3.html

hp@aa2410 MINGW64 ~/Assignments (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:   a3.html

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

hp@aa2410 MINGW64 ~/Assignments (html_assignments)
$ git add .

hp@aa2410 MINGW64 ~/Assignments (html_assignments)
$ git commit -m "Updated all html assignments"
[html_assignments 492b846] Updated all html assignments
 1 file changed, 1 insertion(+)
```

```
hp@aa2410 MINGW64 ~/Assignments (html_assignments)
$ git status
On branch html_assignments
nothing to commit, working tree clean
```

31. Switch to master branch.
32. Make minor changes into README.txt file & commit those changes into master.

```
hp@aa2410 MINGW64 ~/Assignments (html_assignments)
$ git checkout master
Switched to branch 'master'

hp@aa2410 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")

hp@aa2410 MINGW64 ~/Assignments (master)
$ git add README.txt

hp@aa2410 MINGW64 ~/Assignments (master)
$ git commit -m "Updated the README file"
[master 6662394] Updated the README file
 1 file changed, 2 insertions(+), 1 deletion(-)
```

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

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

35. Commit those changes.

36. Switch to master.

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

```
hp@aa2410 MINGW64 ~/Assignments (master)
$ git checkout html_assignments
Switched to branch 'html_assignments'

hp@aa2410 MINGW64 ~/Assignments (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:   a1.html

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

hp@aa2410 MINGW64 ~/Assignments (html_assignments)
$ git add .

hp@aa2410 MINGW64 ~/Assignments (html_assignments)
$ git commit -m "updated html assignments"
[html_assignments b110287] updated html assignments
 1 file changed, 1 insertion(+)

hp@aa2410 MINGW64 ~/Assignments (html_assignments)
$ git checkout master
Switched to branch 'master'

hp@aa2410 MINGW64 ~/Assignments (master)
$ git merge html_assignments
Merge made by the 'ort' strategy.
 a1.html | 1 +
 a2.html | 0
 a3.html | 1 +
 3 files changed, 2 insertions(+)
 create mode 100644 a1.html
 create mode 100644 a2.html
 create mode 100644 a3.html
```

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

```
hp@aa2410 MINGW64 ~/Assignments (master)
$ git branch -d html_assignments
Deleted branch html_assignments (was b110287).

hp@aa2410 MINGW64 ~/Assignments (master)
$ git status
On branch master
nothing to commit, working tree clean
```

```
hp@aa2410 MINGW64 ~/Assignments (master)
$ git log
commit ee9e5522702f8d1eb5dc359a5b44d3b00b32dd38 (HEAD -> master)
Merge: 6662394 b110287
Author: amlanbehera <absp.home@gmail.com>
Date:   Sat Feb 5 13:37:46 2022 +0530

    Merge branch 'html_assignments'

commit b11028761328291fb2dcef19436dce27d6e7b2f9
Author: amlanbehera <absp.home@gmail.com>
Date:   Sat Feb 5 13:36:24 2022 +0530

    updated html assignments

commit 66623945929f2b79bc58664b02aa7fed93074fd9
Author: amlanbehera <absp.home@gmail.com>
Date:   Sat Feb 5 13:33:18 2022 +0530

    Updated the README file

commit 492b846e7bc06147fad868b8ecacfddfb9c76c2e
Author: amlanbehera <absp.home@gmail.com>
Date:   Sat Feb 5 13:24:47 2022 +0530

    Updated all html assignments

commit 7dce29fc17464d230c3845ec8e0c8e4c87dc39a2
Author: amlanbehera <absp.home@gmail.com>
Date:   Sat Feb 5 13:22:44 2022 +0530

    Added all html assignments

commit 9b66afda6341e62b28489549996f443a201f1e58
Author: amlanbehera <absp.home@gmail.com>
Date:   Sat Feb 5 12:58:32 2022 +0530

    Added README file
```