

GIT ASSIGNMENT

- **Harshnie M**

"Assignment 1: Initialize a new Git repository in a directory of your choice. Add a simple text file to the repository and make the first commit.

Harshnie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments (master)

\$ mkdir assignment1

Harshnie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments (master)

\$ cd assignment1

Harshnie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment1 (master)

\$ cat >> project1.txt

Welcome to the new project

Harshnie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment1 (master)

\$ git status

On branch master

Changes not staged for commit:

(use "git add/rm <file>..." to update what will be committed)

(use "git restore <file>..." to discard changes in working directory)

deleted:/assignment_1/project1.txt

Untracked files:

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

./

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

Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment1 (master)

\$ git add .

warning: in the working copy of 'assignment1/project1.txt', LF will be replaced by CRLF
the next time Git touches it

Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment1 (master)

\$ git commit -m "new project"

[master 46c2fc1] new project

1 file changed, 1 insertion(+)

create mode 100644 assignment1/project1.txt

Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment1 (master)

\$

Assignment 2: Branch Creation and Switching

Create a new branch named 'feature' and switch to it. Make changes in the 'feature' branch and commit them.

Harshnie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments (master)

\$ mkdir assignment2

Harshnie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments (master)

\$ cd assignment2

Harshnie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (master)

\$ git branch feature

Harshnie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (master)

\$ git checkout feature

D assignment_1/project1.txt

Switched to branch 'feature'

Harshnie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (feature)

\$ ls

Harshnie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (feature)

\$ vi project1.txt

Harshnie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (feature)

\$ cat project1.txt

The changes are being made

Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (feature)

\$ git add .

warning: in the working copy of 'assignment2/project1.txt', LF will be replaced by CRLF
the next time Git touches it

Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (feature)

\$ git status

On branch feature

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

new file: project1.txt

Changes not staged for commit:

(use "git add/rm <file>..." to update what will be committed)

(use "git restore <file>..." to discard changes in working directory)

deleted: ../assignment_1/project1.txt

Untracked files:

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

../assignment1/commands.txt

Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (feature)

\$ git commit -m "changes done"

[feature 8033d19] changes done

1 file changed, 1 insertion(+)

create mode 100644 assignment2/project1.txt

Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (feature)

\$

the hotfix had done properly and the code is ready go under production

Assignment 3: Feature Branches and Hotfixes

Create a 'hotfix' branch to fix an issue in the main code. Merge the 'hotfix' branch into 'main' ensuring that the issue is resolved."

Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (hotfix)

\$ git checkout master

A assignment2/commandsof2.txt

D assignment_1/project1.txt

Switched to branch 'master'

Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (master)

\$ ls

commandsof2.txt

Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (master)

\$ touch abcd.txt

Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (master)

```
$ vi abcd.txt
```

Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (master)

```
$ cat abcd.txt
```

welcome all to our new project

Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (master)

```
$ git add .
```

warning: in the working copy of 'assignment2/abcd.txt', LF will be replaced by CRLF the
next time Git touches it

Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (master)

```
$ git commit -m "done"
```

[master be5d888] done

2 files changed, 56 insertions(+)

create mode 100644 assignment2/abcd.txt

create mode 100644 assignment2/commandsof2.txt

Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (master)

```
$ git status
```

On branch master

Changes not staged for commit:

(use "git add/rm <file>..." to update what will be committed)

(use "git restore <file>..." to discard changes in working directory)

deleted:/assignment_1/project1.txt

Untracked files:

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

..../assignment1/commands.txt

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

Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (master)

\$ git checkout hotfix

D assignment_1/project1.txt

Switched to branch 'hotfix'

Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (hotfix)

\$ ls

Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (hotfix)

\$ git merge master

Updating 46c2fc1..be5d888

Fast-forward

assignment2/abcd.txt | 1 +

assignment2/commands of 2.txt | 55

+++++

2 files changed, 56 insertions(+)

create mode 100644 assignment2/abcd.txt

create mode 100644 assignment2/commands of 2.txt

Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (hotfix)

\$ ls

abcd.txt commandsof2.txt

Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (hotfix)

\$ vi abcd.txt

Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (hotfix)

\$ cat abcd.txt

welcome all to our new project is hotfixed now and now ready for production

Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (hotfix)

\$ git add .

Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (hotfix)

\$ git commit -m"hotfixed"

[hotfix 76f3371] hotfixed

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

Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (hotfix)

\$ ls

abcd.txt commandsof2.txt

```
Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro  
works/15dec2025/Assignments/assignment2 (hotfix)
```

```
$ git checkout master
```

```
D assignment_1/project1.txt
```

```
Switched to branch 'master'
```

```
Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro  
works/15dec2025/Assignments/assignment2 (master)
```

```
$ ls
```

```
abcd.txt commandsof2.txt
```

```
Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro  
works/15dec2025/Assignments/assignment2 (master)
```

```
$ cat abcd.txt
```

```
welcome all to our new project
```

```
Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro  
works/15dec2025/Assignments/assignment2 (master)
```

```
$ git merge hotfix
```

```
Updating be5d888..76f3371
```

```
Fast-forward
```

```
assignment2/abcd.txt | 2 +-
```

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

```
Harshinie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro  
works/15dec2025/Assignments/assignment2 (master)
```

```
$ cat abcd.txt
```

```
welcome all to our new project is hotfixed now and now ready for production
```

Harshnie@Asuslaptop-G MINGW64 ~/OneDrive/Desktop/wipro
works/15dec2025/Assignments/assignment2 (master)

\$