

Assignment - 21 June 2025

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Created Some file (3 files) and added the content.

```
Admin@Anurag MINGW64 ~/Downloads/Assignments (newbranch)
$ git init
Initialized empty Git repository in C:/Users/Admin/Downloads/Assignments/.git/

Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ vi ABC.txt

Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ vi XYZ.txt

Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ vi PQR.txt
```

Files Committed.

```
Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ git add .
warning: in the working copy of 'ABC.txt', LF will be replaced by CRLF the next
time Git touches it
warning: in the working copy of 'PQR.txt', LF will be replaced by CRLF the next
time Git touches it
warning: in the working copy of 'XYZ.txt', LF will be replaced by CRLF the next
time Git touches it

Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ git commit -m "Assignments"
[master (root-commit) 1e62675] Assignments
3 files changed, 45 insertions(+)
create mode 100644 ABC.txt
create mode 100644 PQR.txt
create mode 100644 XYZ.txt
```

Modify the Content.

```
Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ vi ABC.txt

Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ vi PQR.txt

Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ vi XYZ.txt
```

Add only 2 files in the staging area and commit.

```
Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ git add ABC.txt XYZ.txt
warning: in the working copy of 'ABC.txt', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'XYZ.txt', LF will be replaced by CRLF the next time Git touches it

Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ git commit -m "Assignments1"
[master d57e7db] Assignments1
2 files changed, 23 insertions(+)
```

Commit remaining files

```
Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ git add PQR.txt
warning: in the working copy of 'PQR.txt', LF will be replaced by CRLF the next time Git touches it

Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ git commit -m "Assignments2"
[master 6916964] Assignments2
1 file changed, 12 insertions(+)
```

Check Log

```
Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ git log
commit 691696424f073a7901a76321ad4e26af0e225c4f (HEAD -> master)
Author: Anurag <anuragshastri2001@gmail.com>
Date: Sat Jun 21 10:08:21 2025 +0530

    Assignments2

commit d57e7dbdeaa2b9a6b0b89caca9460e20858d4ad4
Author: Anurag <anuragshastri2001@gmail.com>
Date: Sat Jun 21 10:08:00 2025 +0530

    Assignments1

commit 1e62675f84cb27be5b102ff01a75990191baebaf
Author: Anurag <anuragshastri2001@gmail.com>
Date: Sat Jun 21 10:05:54 2025 +0530

    Assignments
```

Check log in short form

```
Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ git log --oneline
7ba8c84 (HEAD -> master) Assignments4
1a50d6c Assignments3
6916964 Assignments2
d57e7db Assignments1
1e62675 Assignments
```

Again, change the content of all files.

```
Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ vi ABC.txt

Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ vi PQR.txt

Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ vi XYZ.txt
```

Add them to the staging area.

```
Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ git add .
warning: in the working copy of 'ABC.txt', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'PQR.txt', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'XYZ.txt', LF will be replaced by CRLF the next time Git touches it
```

Take any file back to working area.

```
Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ git reset ABC.txt
Unstaged changes after reset:
M      ABC.txt
```

Discard the content

```
Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ vi ABC.txt
```

Commit all files

```
Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ git add ABC.txt
warning: in the working copy of 'ABC.txt', LF will be replaced by CRLF the next time Git touches it

Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ git commit -m "Assignments3"
[master 1a50d6c] Assignments3
3 files changed, 10 insertions(+), 26 deletions(-)
```

Create a new file, add content and commit it.

```

Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ vi Anurag.txt

Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ git add Anurag.txt
warning: in the working copy of 'Anurag.txt', LF will be replaced by CRLF the next time Git touches it

Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ git commit -m "Assignments4"
[master 7ba8c84] Assignments4
1 file changed, 5 insertions(+)
create mode 100644 Anurag.txt

```

Erase all content from the new file and commit it.

```

Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ vi Anurag.txt

Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ git commit -m "Assignemnts5"
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:   Anurag.txt

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

Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ git add Anurag.txt
warning: in the working copy of 'Anurag.txt', LF will be replaced by CRLF the next time Git touches it

Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ git commit -m "Assignemnts5"
[master 89a45f4] Assignemnts5
1 file changed, 1 insertion(+), 5 deletions(-)

```

Status and Log

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

Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ git log
commit 89a45f43dafbf438a97ae362e22a9e813a238154 (HEAD -> master)
Author: Anurag <anuragshastri2001@gmail.com>
Date: Sat Jun 21 10:12:24 2025 +0530
```

Assignemnts5

```
commit 7ba8c8466e125514b19211f78b53f01f79662e01
Author: Anurag <anuragshastri2001@gmail.com>
Date: Sat Jun 21 10:11:39 2025 +0530
```

Assignments4

```
commit 1a50d6c997d94338258fdc018eef383fbd2f1867
Author: Anurag <anuragshastri2001@gmail.com>
Date: Sat Jun 21 10:10:29 2025 +0530
```

Assignments3

```
commit 691696424f073a7901a76321ad4e26af0e225c4f
Author: Anurag <anuragshastri2001@gmail.com>
Date: Sat Jun 21 10:08:21 2025 +0530
```

Assignments2

Recover all the content back from the new file.

```
Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ git reset 7ba8c84
Unstaged changes after reset:
M    Anurag.txt

Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ vi Anurag.txt

Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ git restore 7ba8c84
error: pathspec '7ba8c84' did not match any file(s) known to git

Admin@Anurag MINGW64 ~/Downloads/Assignments (master)
$ git restore Anurag.txt
```