

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git add .
warning: in the working copy of 'file1.txt', LF will be replaced by CRLF the next time Git touches it

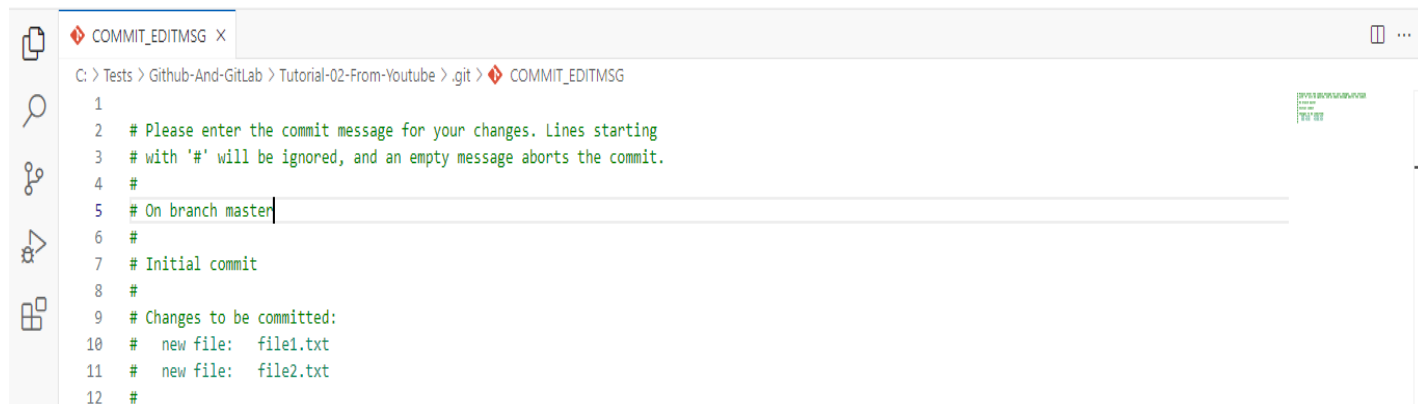
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   file1.txt
        new file:   file2.txt
```

In This Way We Can Open The Commit File In **.git-Folder**:

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git commit
Aborting commit due to empty commit message.
```



After We Set The Commit Inside The File:

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git commit
[master (root-commit) c378284] Initial Commit
2 files changed, 3 insertions(+)
create mode 100644 file1.txt
create mode 100644 file2.txt
```

Note (To Remember): When We Commit The Changes, No Files Will Be Inside The Staging Area.

Note (To Remember): We Can Use `git add File-Name-Her`, To Add OR Delete Files From Staging Area. (The Same Command For Adding And Deleting Files From Staging Area).

Note: If We Want To Avoid Transfer Files To Staging Area, Then We Can Use:

- **Run Command 1:** `git commit -a -m "Message Here"`
- **Run Command 2:** (*The Same*): `git commit -am "Message Here"`

Note: To Display Files That Are In Staging Area:

- **Run Command:** `git ls-files`

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Yout
ube (master)
$ git ls-files
file1.txt

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Yout
ube (master)
$ echo "Test-01" >> file2.txt

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Yout
ube (master)
$ git add .
warning: in the working copy of 'file2.txt', LF will be replaced by CRLF the next time Git touches it

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Yout
ube (master)
$ rm file2.txt

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Yout
ube (master)
$ git ls-files
file1.txt
file2.txt

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Yout
ube (master)
$ git add .

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Yout
ube (master)
$ git ls-files
file1.txt
```

Note: We Can Also Remove The Files From Staging Area:

- Run Command: *git rm file-name.extension*

Note: After We Change The Name Of Our File, We Must Added It To Staging Area:

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ mv file1.txt test-01.txt

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (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:    file1.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        test-01.txt

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

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git add .
warning: in the working copy of 'test-01.txt', LF will be replaced by CRLF the next time Git touches it

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        renamed:   file1.txt -> test-01.txt
```

Note: If We Want To Rename The File/Folder And Move It To Staging Area:

- **Run Command:** *git mv test-01.txt file-01.txt*

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git mv test-01.txt file-01.txt
```

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        renamed:   file1.txt -> file-01.txt
```

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git commit -m "Trying Rename Files"
[master 2df21af] Trying Rename Files
1 file changed, 0 insertions(+), 0 deletions(-)
rename file1.txt => file-01.txt (100%)
```

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git status
On branch master
nothing to commit, working tree clean
```

Note: To Ignore Adding New Files And Directories:

- **First:** Create New File Name: .gitignore
- **Second:** Set The Name Of Files And Directories That We Want To Ignore Them From Adding

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ mkdir logs
```

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ echo logs/ >> .gitignore
```

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore

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

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ echo "Test-01 For .gitignore" >> logs/test-01.txt

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore

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

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git add .
warning: in the working copy of '.gitignore', LF will be replaced by CRLF the next time Git touches it

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git commit -m "Adding .gitignore To Project"
[master 014c4b9] Adding .gitignore To Project
1 file changed, 1 insertion(+)
create mode 100644 .gitignore
```

Note: The Name Of *Staging Area* Also Called *Index*.

If We Add Some Files/Folders To Staging Area, And We Add Them To .gitignore-File, Then We Must Remove It From Staging Area At All.

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ mkdir bin

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ echo "Test" >> bin/test-01.txt

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    bin/

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

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git add .
warning: in the working copy of 'bin/test-01.txt', LF will be replaced by CRLF the next time Git touches it

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git commit -m "Adding By Accident"
[master c047d34] Adding By Accident
1 file changed, 1 insertion(+)
create mode 100644 bin/test-01.txt

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ echo "bin/" >> .gitignore

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (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:   .gitignore

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

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git add .
warning: in the working copy of '.gitignore', LF will be replaced by CRLF the next time Git touches it

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified:   .gitignore
```

```

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git rm -h
usage: git rm [-f | --force] [-n] [-r] [--cached] [--ignore-unmatch]
               [--quiet] [--pathspec-from-file=<file> [--pathspec-file-nul]]
               [--] [<pathspec>...]

    -n, --[no-]dry-run      dry run
    -q, --[no-]quiet        do not list removed files
    --[no-]cached           only remove from the index
    -f, --[no-]force        override the up-to-date check
    -r                      allow recursive removal
    --[no-]ignore-unmatch   exit with a zero status even if nothing matched
    --[no-]sparse           allow updating entries outside of the sparse-checkout cone
    --[no-]pathspec-from-file <file>
                           read pathspec from file
    --[no-]pathspec-file-nul
                           with --pathspec-from-file, pathspec elements are separated with NUL character

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git rm --cached bin
fatal: not removing 'bin' recursively without -r

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git rm -r --cached bin
rm 'bin/test-01.txt'

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   .gitignore
        deleted:    bin/test-01.txt

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git add .

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git commit -m "Removing File From Index/Staging Area"
[master edc6933] Removing File From Index/Staging Area
 2 files changed, 1 insertion(+), 1 deletion(-)
 delete mode 100644 bin/test-01.txt

```

The Command *To Remove File/Folder From Index/Staging Area*:

- **Run Command (For File):** *git rm --cached file.extension*
- **Run Command (For Folder):** *git rm -r --cached folder*

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-From-Youtube (master)
$ git ls-files
.gitignore
file-01.txt
```

Note: To Get Short Description About The Status Of The Files Of Our Project, We Can Use:

- *Run Command: git status -s*
- **Note:** Here We Have Two Columns For First Data:
 - *First Column* For Staging Area
 - *Second Column (Where M Appear):* For Files Area.

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ ls
bin/ file-01.txt logs/

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ echo "Jafar Loka Here" >> file-01.txt

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (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:   file-01.txt

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

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ echo "Jafar Loka New File" > file-02.txt

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (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:   file-01.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        file-02.txt

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

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git status -s
M file-01.txt
?? file-02.txt
```

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git add file-01.txt
warning: in the working copy of 'file-01.txt', LF will be replaced by CRLF the next time Git touches it

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git status -s
M  file-01.txt
?? file-02.txt
```

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git add file-01.txt
warning: in the working copy of 'file-01.txt', LF will be replaced by CRLF the next time Git touches it

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git status -s
M  file-01.txt
?? file-02.txt

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ echo "Jafar Loka -02" >> file-01.txt

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git status -s
MM file-01.txt
?? file-02.txt
```

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ echo "Jafar Loka -02" >> file-01.txt

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git status -s
MM file-01.txt
?? file-02.txt

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git add file-02.txt
warning: in the working copy of 'file-02.txt', LF will be replaced by CRLF the next time Git touches it

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git status -s
MM file-01.txt
A  file-02.txt
```

```

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git status -s
MM file-01.txt
A file-02.txt

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git commit -m "Testing Short Status Command"
[master c5b550f] Testing Short Status Command
2 files changed, 2 insertions(+)
create mode 100644 file-02.txt

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git status -s
M file-01.txt

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git add file-01.txt
warning: in the working copy of 'file-01.txt', LF will be replaced by CRLF the next time Git touches it

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   file-01.txt

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git status -s
M file-01.txt

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git commit -m "Second Testing Of Files To Show Output"
[master 43a35dd] Second Testing Of Files To Show Output
1 file changed, 1 insertion(+)

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git status -s

```

Note: To Compare The Changes Before Commit The Code, We Can Use:

- **Run Command:** *git diff --staged*

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ echo "Testing-03" >> file-01.txt

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ echo "Testing-01" >> file-02.txt

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git status -s
 M file-01.txt
 M file-02.txt

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git add file-01.txt
warning: in the working copy of 'file-01.txt', LF will be replaced by CRLF the next time Git touches it

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git diff --staged
diff --git a/file-01.txt b/file-01.txt
index 2261396..0b9e651 100644
--- a/file-01.txt
+++ b/file-01.txt
@@ -3,3 +3,4 @@ world
 Jafar Loka
 Jafar Loka Here
 Jafar Loka -02
+Testing-03
```
