To Get The Data Of All Commits That Has Files Contain Specific Keyword:

- **Run Command**: *git log --oneline -S"Text-Here"*
  - **Ex**: *git log --oneline -S"Jafar"*
  - **Note:** Here We Can Add --patch To get Full Information About Data.

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git log --oneline -S"Jafar"
43a35dd Second Testing Of Files To Show Output
c5b550f Testing Short Status Command
4702e82 After Deleting File2.txt
```

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git log --oneline -S"Jafar" --patch
43a35dd Second Testing Of Files To Show Output
diff --git a/file-01.txt b/file-01.txt
index 56fb3e1..2261396 100644
--- a/file-01.txt
+++ b/file-01.txt
@@ -2,3 +2,4 @@ hello
 world
 Jafar Loka
 Jafar Loka Here
+Jafar Loka -02
c5b550f Testing Short Status Command
diff --git a/file-01.txt b/file-01.txt
index 33dc114..56fb3e1 100644
--- a/file-01.txt
+++ b/file-01.txt
@@ -1,3 +1,4 @@
 hello
 world
 Jafar Loka
+Jafar Loka Here
diff --git a/file-02.txt b/file-02.txt
new file mode 100644
index 0000000..19b6f1a
--- /dev/null
+++ b/file-02.txt
@@ -0,0 +1 @@
+Jafar Loka New File
4702e82 After Deleting File2.txt
diff --git a/file1.txt b/file1.txt
index 94954ab..33dc114 100644
--- a/file1.txt
+++ b/file1.txt
@@ -1,2 +1,3 @@
 hello
 world
+Jafar Loka
```

****

Note (To Remember): If We Want To Get The Data Of Specific Range Between Two Commit:

- Run Command: *git log --oneline commit-id-01..commit-id-02*

****

To Get The Commits That Change Specific File:

- **Run Command**: *git log --oneline file-name-here.extension*

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With
-Mosh (master)
$ git log --oneline file-01.txt
43a35dd Second Testing Of Files To Show Output
c5b550f Testing Short Status Command
2df21af Trying Rename Files
```

****

To Separate The File Name From Command:

- **Run Command**: *git log --oneline -- file-name-here*

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With
-Mosh (master)
$ git log --oneline -- file-02.txt
c5b550f Testing Short Status Command
```

****

To Get The Full Change Of Specific File:

- Run Command: ***git log --oneline --patch file-name-here.extension***

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git log --oneline --patch -- file-01.txt
43a35dd Second Testing Of Files To Show Output
diff --git a/file-01.txt b/file-01.txt
index 56fb3e1..2261396 100644
--- a/file-01.txt
+++ b/file-01.txt
@@ -2,3 +2,4 @@ hello
 world
 Jafar Loka
 Jafar Loka Here
+Jafar Loka -O2
c5b550f Testing Short Status Command
diff --git a/file-01.txt b/file-01.txt
index 33dc114..56fb3e1 100644
--- a/file-01.txt
+++ b/file-01.txt
@@ -1,3 +1,4 @@
 hello
 world
 Jafar Loka
+Jafar Loka Here
2df21af Trying Rename Files
diff --git a/file-01.txt b/file-01.txt
new file mode 100644
index 0000000..33dc114
--- /dev/null
+++ b/file-01.txt
@@ -0,0 +1,3 @@
+hello
+world
+Jafar Loka
```

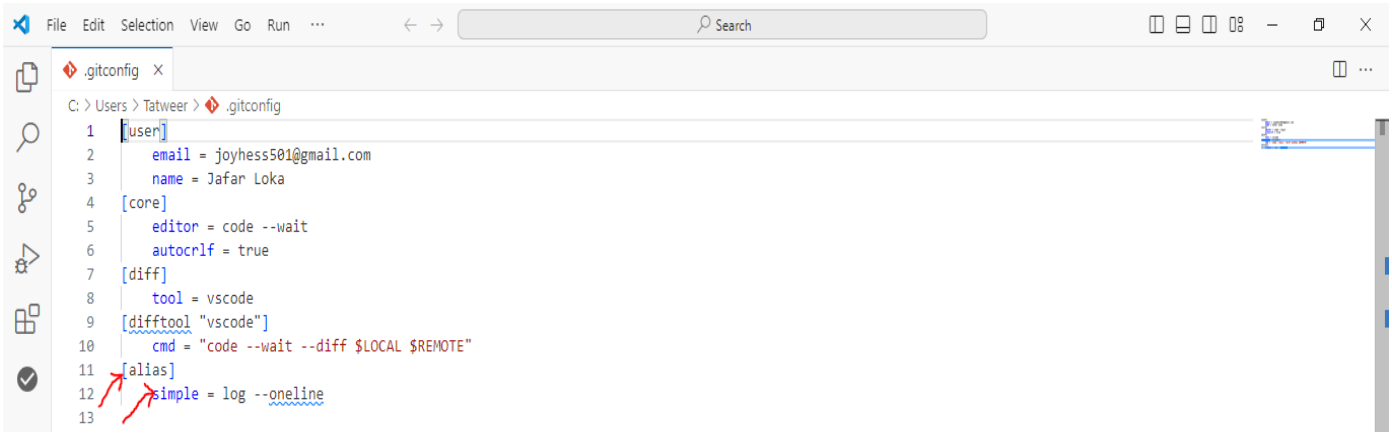
****

To Create Alias Name For Command In Git:

- **Run Command**: *git config --global alias.cmd-name-here "Long Git Command Here"*
    - **Ex**: *git config --global alias.simple "log --oneline"*

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git config --global alias.simple "log --oneline"

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git simple
715de30 (HEAD -> master) Deleting The New File: file-03.txt
1b6514e Adding All Files
43a35dd Second Testing Of Files To Show Output
c5b550f Testing Short Status Command
edc6933 Removing File From Index/Staging Area
c047d34 Adding By Accident
014c4b9 Adding .gitignore To Project
2df21af Trying Rename Files
4702e82 After Deleting File2.txt
c378284 Initial Commit
```



****

Note (To Remember): To Show The Information About Specific Commit, We Can Use:

- **Run Command**: *git show HEAD~2*

****

Note (To Remember): To Show The Information About Specific File, In Specific Commit, We Can Use:

- **Run Command**: *git show HEAD~2:file-name-here.extension*

****

To Show Only The Name Of Files, That Are Changed Of Specific Commit:

- **Run Command**: *git show HEAD~2 --name-only*

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git show HEAD~3 --name-only
commit c5b550f49466a2f999f95e8e9f1d9c21d09b772c
Author: Jafar Loka <joyhess501@gmail.com>
Date:   Tue Nov 19 09:46:56 2024 +0300

    Testing Short Status Command

file-01.txt
file-02.txt
```

****

To Get The Status Of Files In Specific Commit:

- **Run Command**: *git show HEAD~2 --name-status*

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git show HEAD~1 --name-status
commit 1b6514e429081d5f635302d6e8be52cee9750903
Author: Jafar Loka <joyhess501@gmail.com>
Date:   Thu Nov 21 10:37:52 2024 +0300

    Adding All Files

A       file-03.txt
```

****

To See The Changes Between Specific Two Commits:

- **Run Command**: *git diff commid-id-01 commit-id-02*

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git diff HEAD~7 HEAD
diff --git a/.gitignore b/.gitignore
new file mode 100644
index 0000000..5191260
--- /dev/null
+++ b/.gitignore
@@ -0,0 +1,2 @@
+logs/
+bin/
diff --git a/file-01.txt b/file-01.txt
index 33dc114..2261396 100644
--- a/file-01.txt
+++ b/file-01.txt
@@ -1,3 +1,5 @@
 hello
 world
 Jafar Loka
+Jafar Loka Here
+Jafar Loka -02
diff --git a/file-02.txt b/file-02.txt
new file mode 100644
index 0000000..19b6f1a
--- /dev/null
+++ b/file-02.txt
@@ -0,0 +1 @@
+Jafar Loka New File
```

****

To See The Results Of Changes Between Two Commit, For Specific File:

- **Run Command**: ***git diff HEAD~7 HEAD File-Name-Here.extension***

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git diff HEAD~7 HEAD file-01.txt
diff --git a/file-01.txt b/file-01.txt
index 33dc114..2261396 100644
--- a/file-01.txt
+++ b/file-01.txt
@@ -1,3 +1,5 @@
 hello
 world
 Jafar Loka
+Jafar Loka Here
+Jafar Loka -02
```

****

Note: For Previous Command, We Can Also Use **--name-only** && **--name-status**

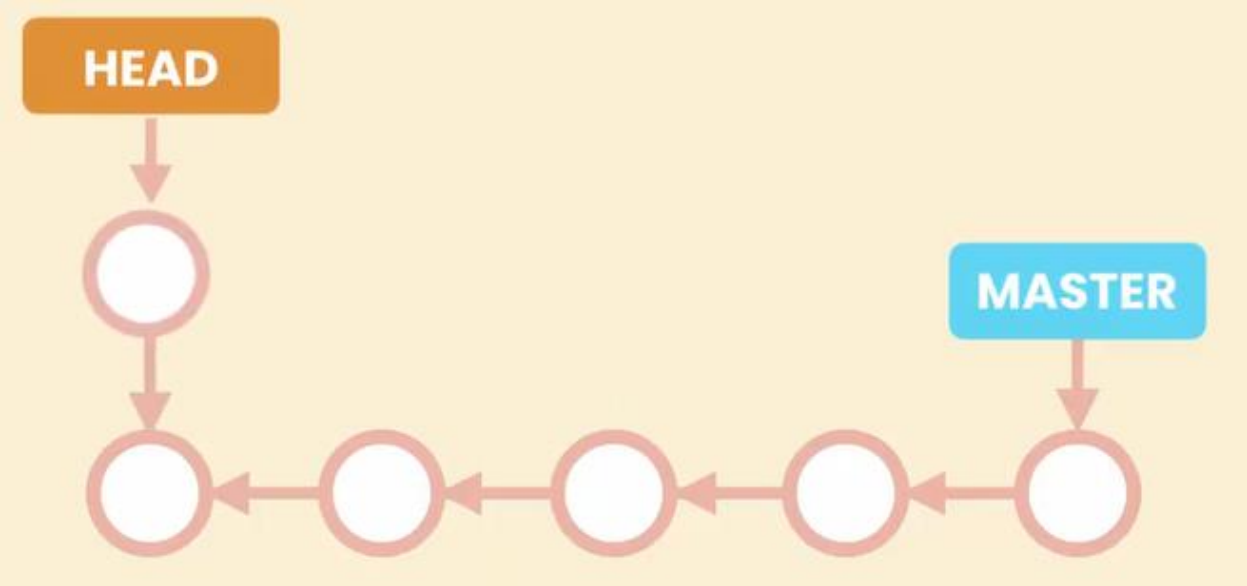
```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git diff HEAD~7 HEAD --name-only
.gitignore
file-01.txt
file-02.txt
```

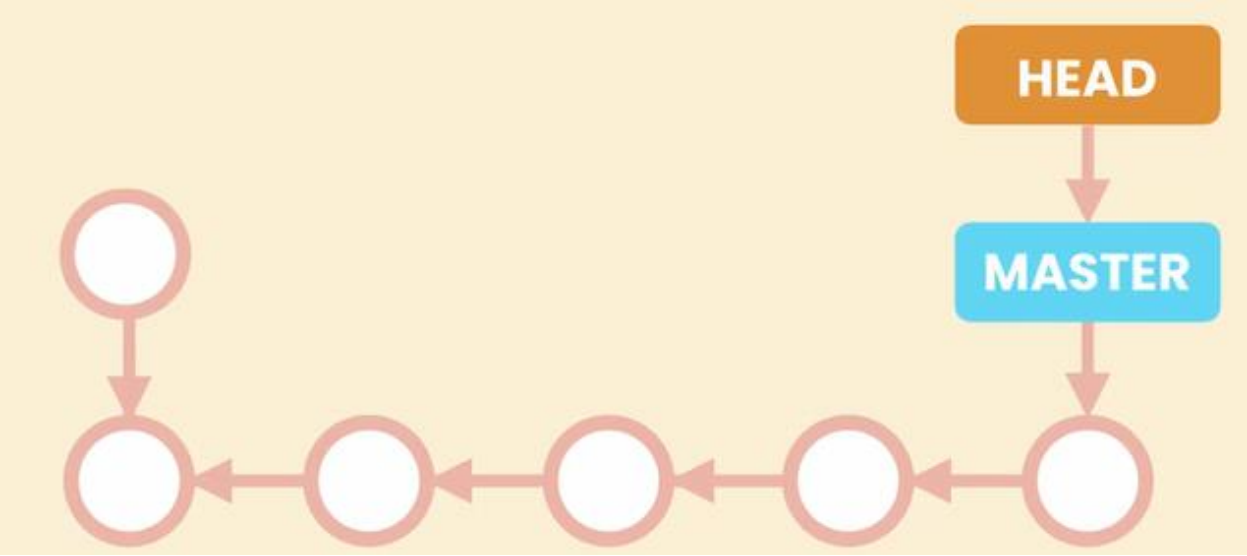
```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git diff HEAD~7 HEAD --name-status
A       .gitignore
M       file-01.txt
A       file-02.txt
```

****

Note: This Problem Occur When **HEAD && Master** Point To Different Commit.

- In This Way We May Have Commit Point That Are Not Reachable When ***HEAD && Master*** Refer To The Same Commit.
- In This Way We Have Dead Commit.

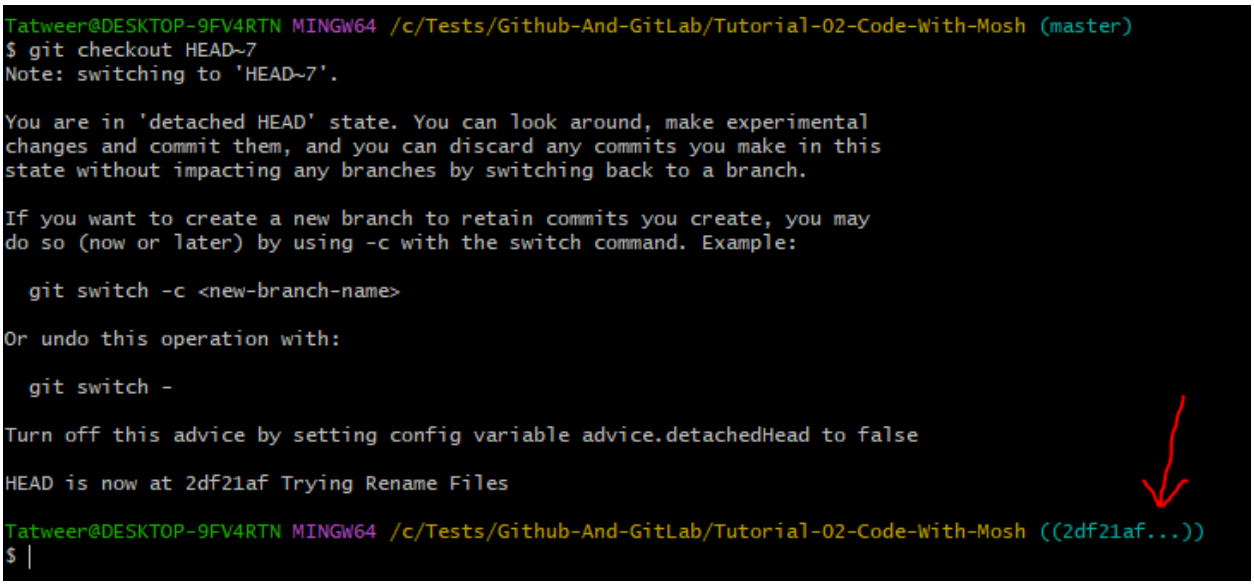




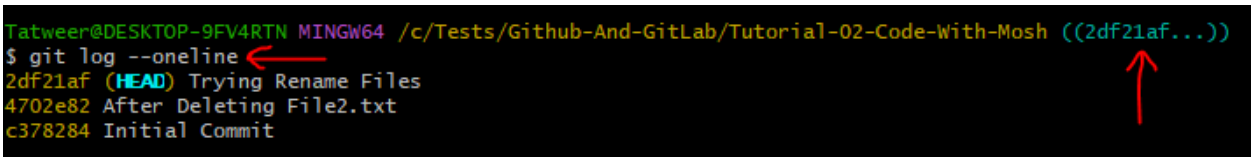
****

Note: Here we Use checkout To Check The Problem:

- *Run Command*: *git checkout commit-id-here*
  - *Ex*: *git checkout HEAD~3*



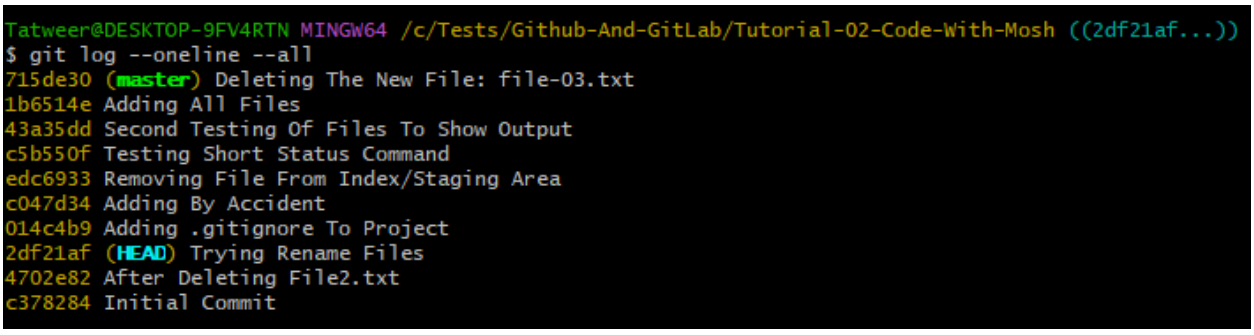
After We Checkout We Can **Run Command**: *git log --oneline*, To See The Changes.



****

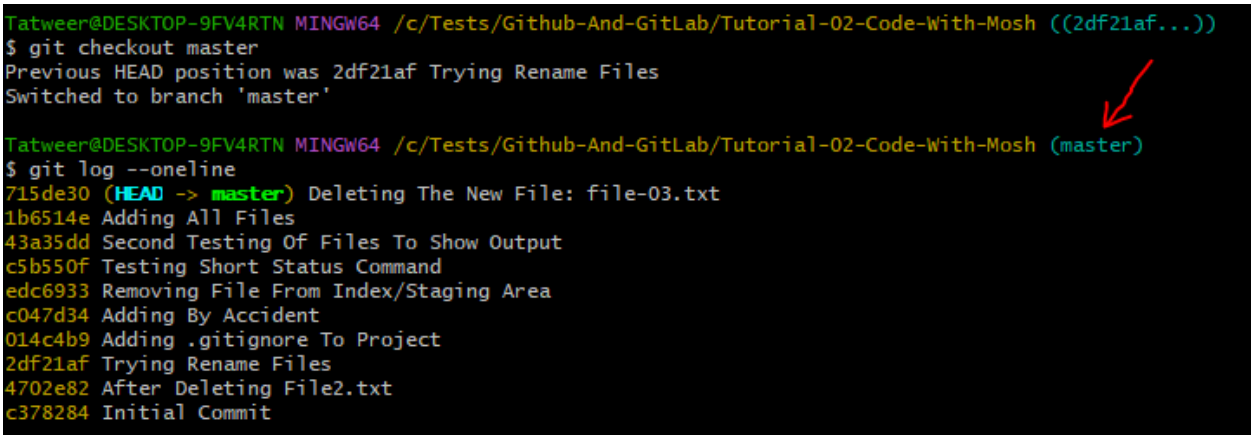
To See All The Commits After We Checkout:

- Run Command: git log --oneline --all



****

To Return To Master Branch:



****