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

- **Run Command**: git log --oneline -S"Text-Here"
 - o **Ex**: git log --oneline -S"Jafar"
 - o 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
```

```
atweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git log --oneline -S"Jafar" --patch
  a35dd 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
 5b550f 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
hello.
 world
Jafar Loka
   far 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
 702e82 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 -0
 :5b550f 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
 hello
world
 Jafar Loka
2df21af Trying Rename Files
diff --git a/file-01.txt b/file-01.txt
new file mode 100644
index 0000000...33dc114
  /dev/nu11
+++ b/file-01.txt
 -world
```

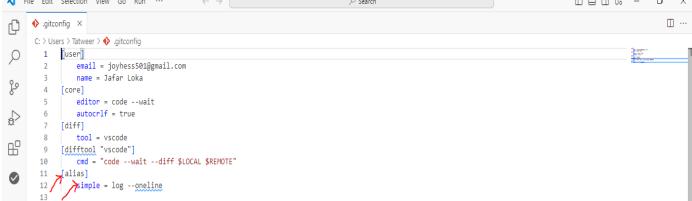
To Create Alias Name For Command In Git:

- Run Command: git config --global alias.cmd-name-here "Long Git Command Here"
 - o 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

★ File Edit Selection View Go Run ··· ← → Search
```



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

• Run Command: git show HEAD~2

<u>Note (To Remember)</u>: 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

```
atweer@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 @@
diff --git a/file-01.txt b/file-01.txt
index 33dc114..2261396 100644
  - a/file-01.txt
+++ b/file-01.txt
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/nu11

+++ b/file-02.txt
 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
```

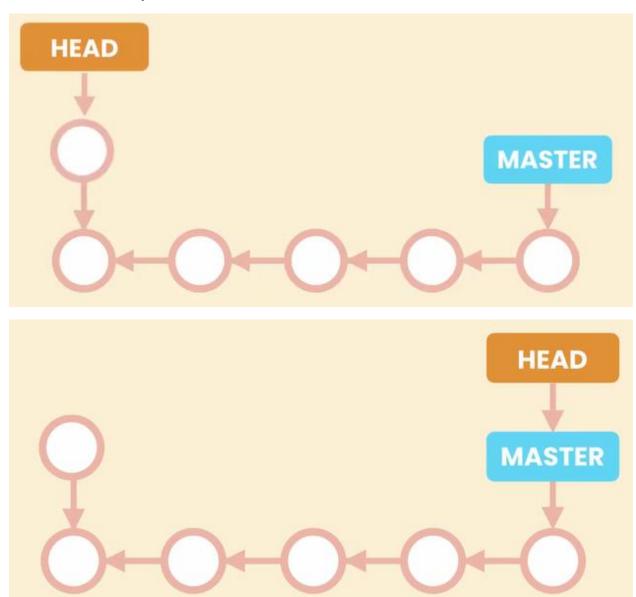
Note: For Previous Command, We Can Also Use --name-only && --name-status

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

 § git checkout HEAD~7
 Note: switching to 'HEAD~7'.

 You are in 'detached HEAD' state. You can look around, make experimental changes and commit them, and you can discard any commits you make in this state without impacting any branches by switching back to a branch.

 If you want to create a new branch to retain commits you create, you may do so (now or later) by using -c with the switch command. Example:

 git switch -c <new-branch-name>

 Or undo this operation with:

 git switch
 Turn off this advice by setting config variable advice.detachedHead to false

 HEAD is now at 2df21af Trying Rename Files

 Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh ((2df21af...))

 §

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

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh ((2df21af...))
$ git log --oneline ______
2df21af (HEAD) Trying Rename Files
4702e82 After Deleting File2.txt
c378284 Initial Commit
```

To See All The Commits After We Checkout:

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

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh ((2df21af...))

$ git log --oneline --all
715de30 (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 (HEAD) Trying Rename Files
4702e82 After Deleting File2.txt
c378284 Initial Commit
```

To Return To Master Branch:

```
Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh ((2df21af...))
$ git checkout master
Previous HEAD position was 2df21af Trying Rename Files
Switched to branch 'master'

Tatweer@DESKTOP-9FV4RTN MINGW64 /c/Tests/Github-And-GitLab/Tutorial-02-Code-With-Mosh (master)
$ git log --oneline
715de30 (HEAD -> master) Deleting The New File: file-03.txt
1b6514e Adding All Files
43aa35dd 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
```