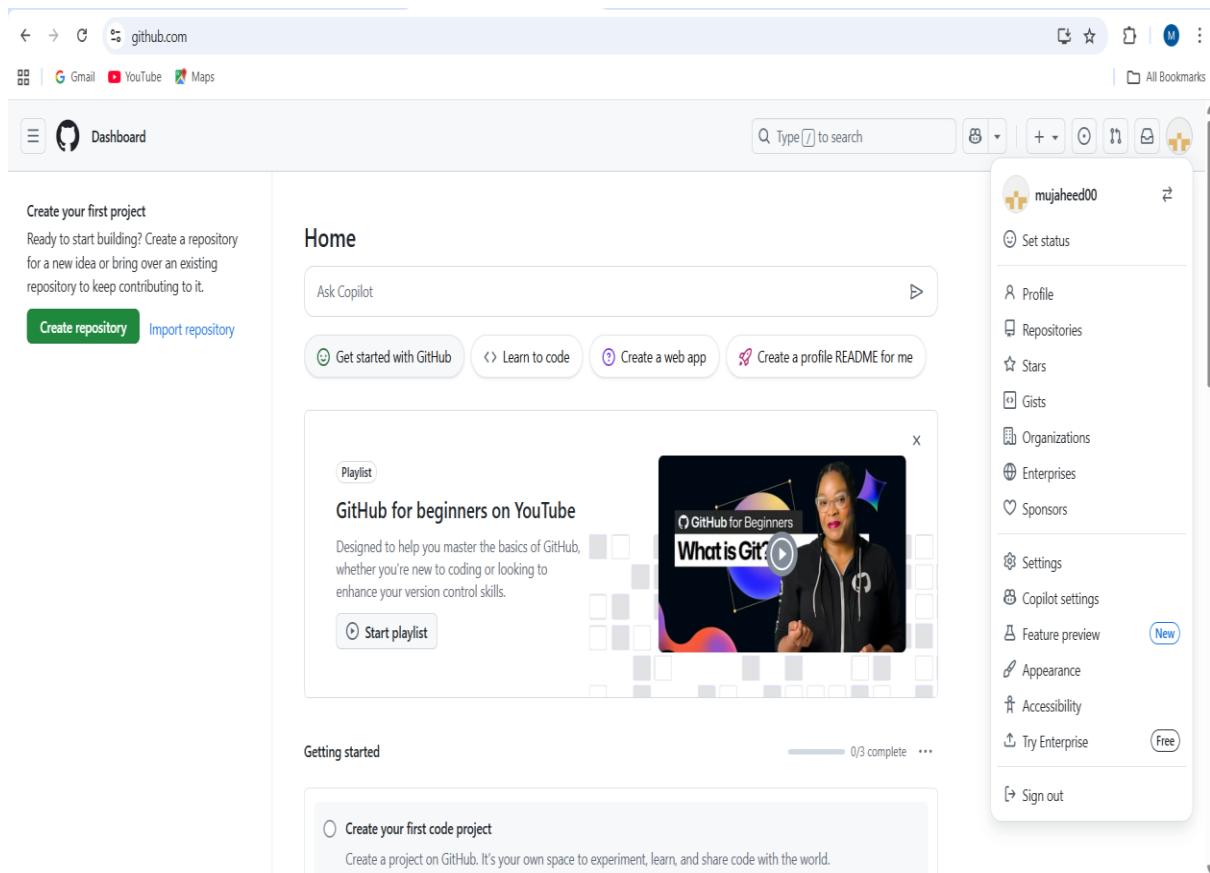
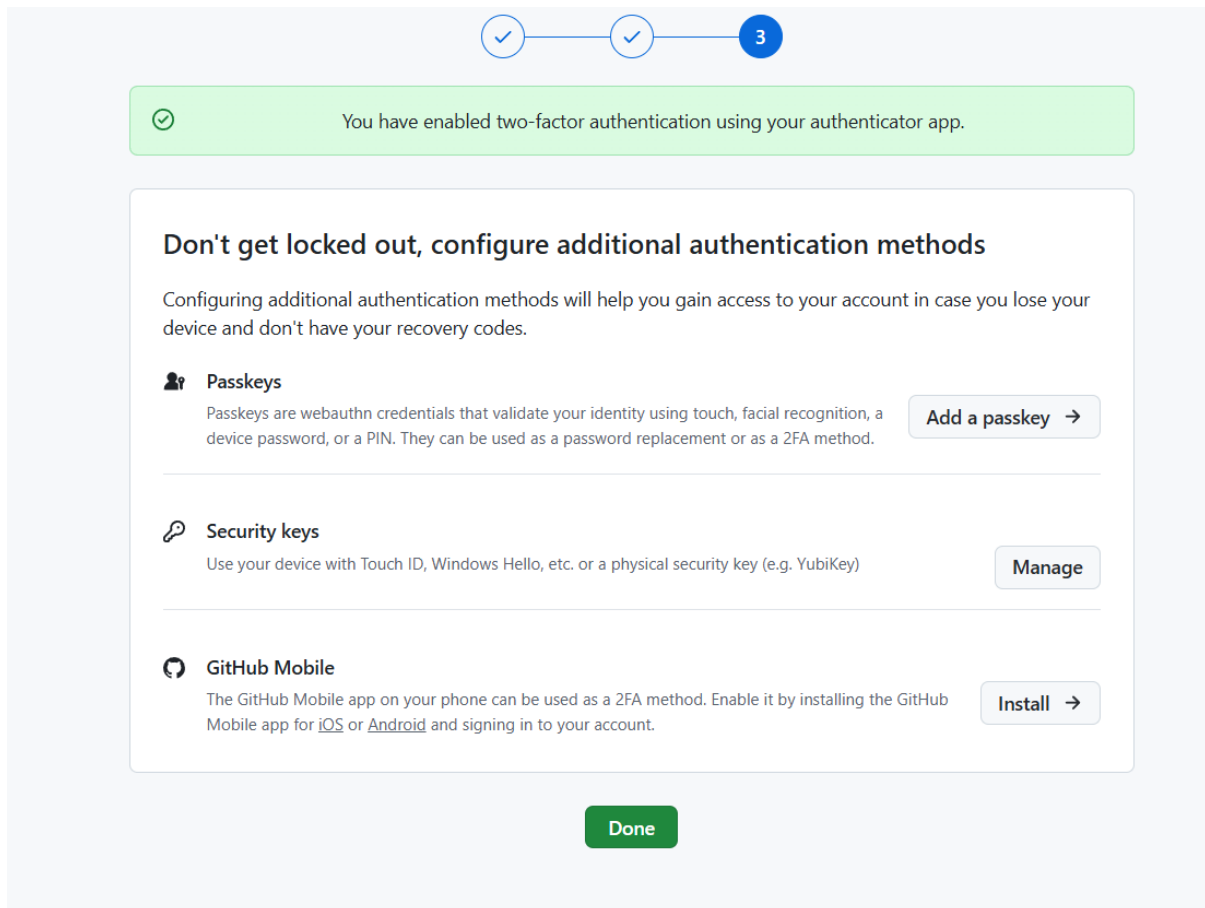


# Create a github account:



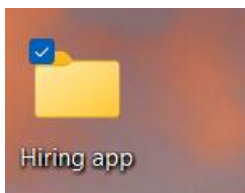
## 2. Set up MFA (Multi-Factor Authentication) for the GitHub account using a mobile app.

- Go to settings and choose password and authentication
- Enable 2 factor authentication
- Scan the QR code in the authentication app in your mobile



## Commands:

Create a folder in the local machine named as hiring app



If you want to check git version use: `git --version`

```
MUJUU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app
$ git --version
git version 2.37.1.windows.1
```

Create a file and check status it will show like un tracking area

```

MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app (master)
$ ls
a

MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app (master)
$ git status
On branch master

No commits yet

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

```

Then add file name to add in the repository use command –  
git add a ( a is filename) then check the status

```

MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app (master)
$ git add a

MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app (master)
$ ls
a

MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   a

```

Git commit -m “added couple of files” origin (added couple of files is a message to easily understandable for others) it is used to commit to save in local machine and it is ready to push into central repository

```

MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app (master)
$ git commit -m "added couple of files"origin
[master (root-commit) aa633f9] added couple of filesorigin
6 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 a
 create mode 100644 b
 create mode 100644 c
 create mode 100644 d
 create mode 100644 e
 create mode 100644 f

```

```
MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app (master)
$ git status
On branch master
nothing to commit, working tree clean
```

Git log : it is used to see the commit id if you want to see after few days

```
MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app (master)
$ git log
commit aa633f9998b09eab03b27e4c403b83537ba9d6de (HEAD -> master)
Author: Mujaheed <mohammadmujaheedshaik@gmail.com>
Date:   Wed Sep 10 17:19:49 2025 +0530

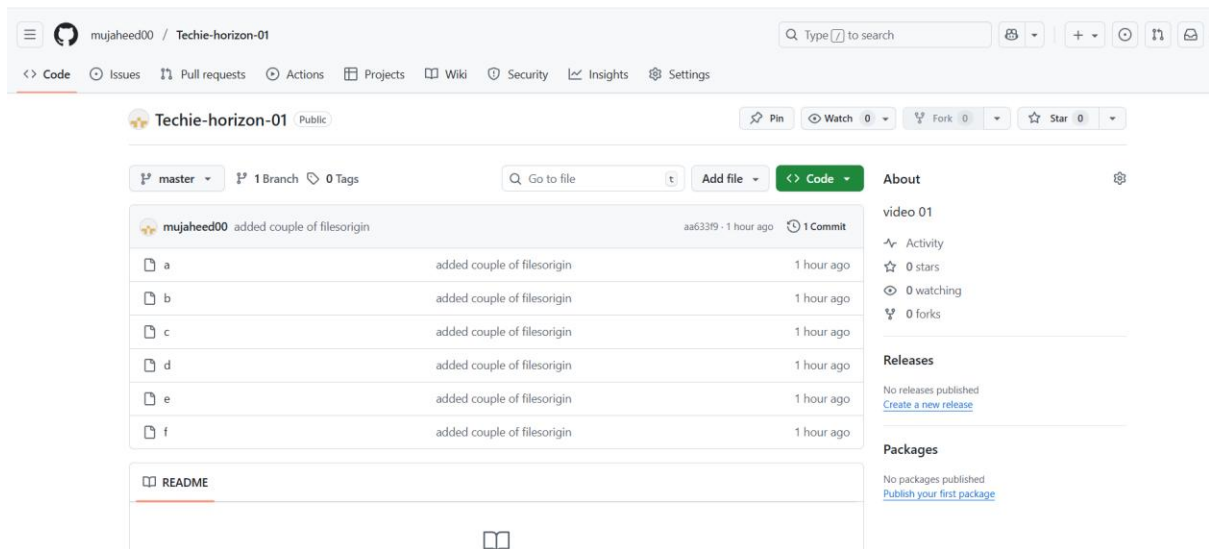
    added couple of filesorigin

MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app (master)
$ |
```

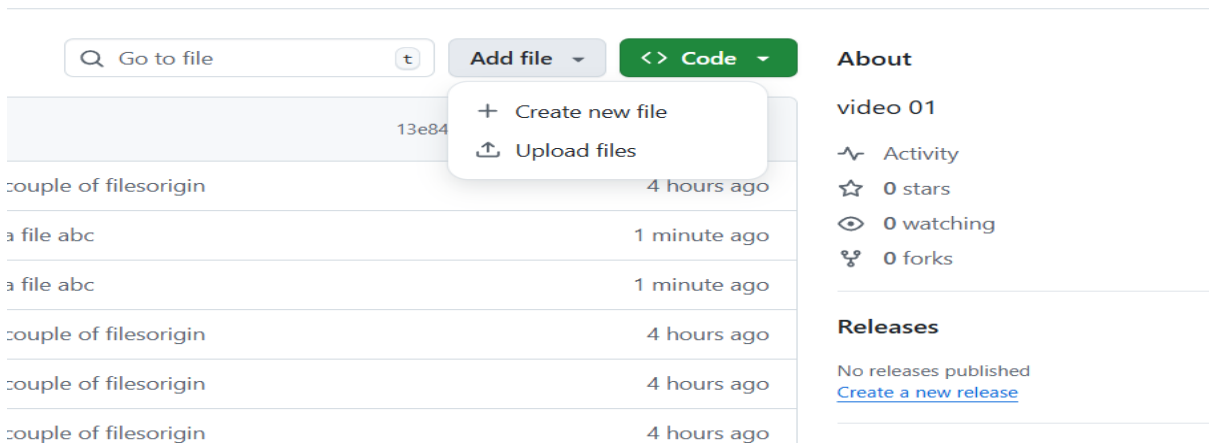
Git push -u origin master: It will push the files to the central repository

```
MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app (master)
$ git push -u origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 240 bytes | 240.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:mujaheed00/Techie-horizon-01.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.
```

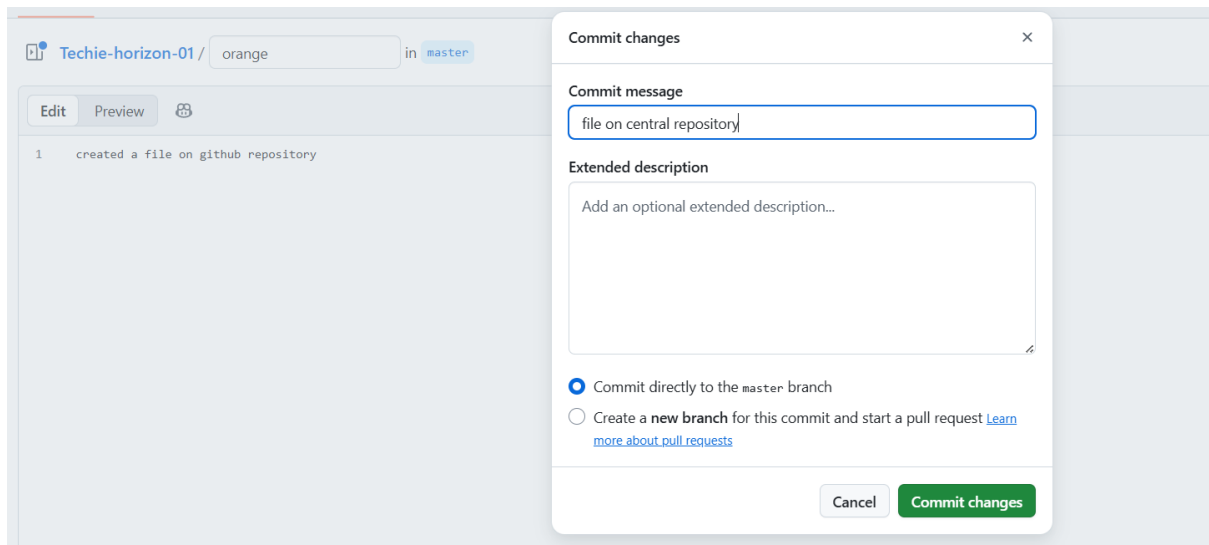
If you go to the git bash and refresh the page you will see your files



Create a new file in the central repository



Created a file on the central repository named as orange



Then commit the changes to create a file in central repository  
If we give ls in local machine it not displays that created file in repository

```
MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app (master)
$ ls
a abc apple b c d e f
MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app (master)
$
```

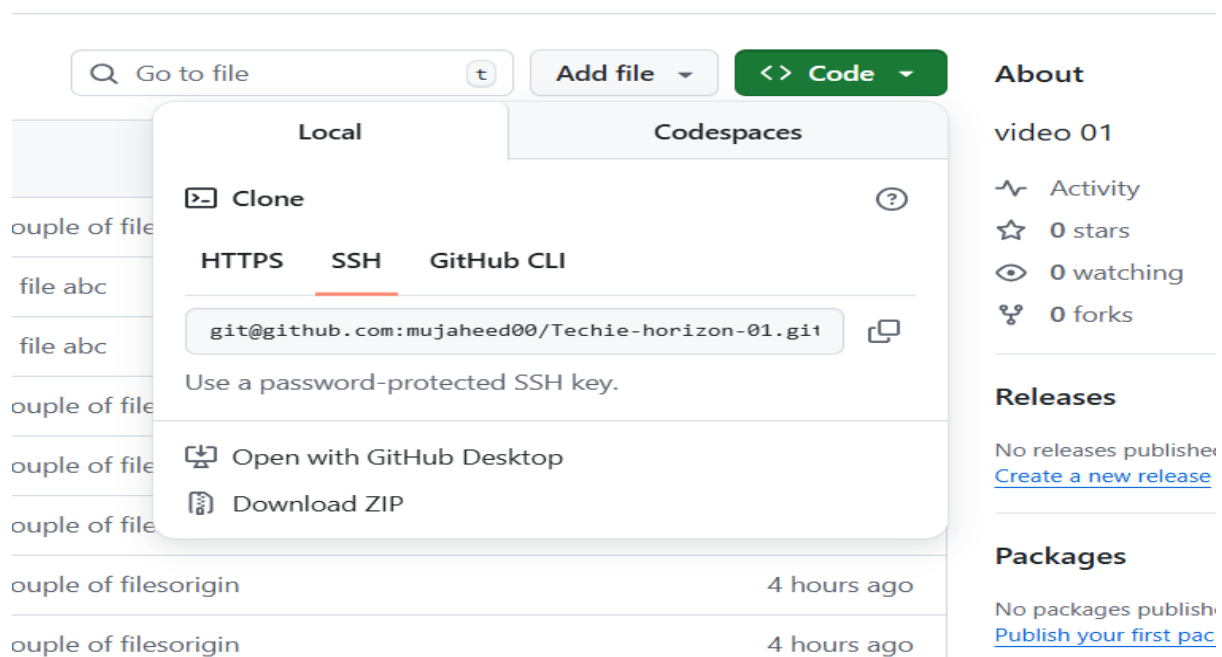
If we you use git pull command we can get the file to our local machine that we are added in the central repository

```
MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app (master)
$ git pull
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 953 bytes | 34.00 KiB/s, done.
From github.com:mujaheed00/Techie-horizon-01
  13e8426..690c283 master    -> origin/master
Updating 13e8426..690c283
Fast-forward
 orange | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 orange
```

If we do ls then it will displays the file “orange” that is created in the central repository

```
MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app (master)
$ ls
a  abc  apple  b  c  d  e  f  orange
```

Git clone is a command is used to download the source code from central repository to local machine



Copy the url and paste in the local machine like git clone “URL”

```
MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app (master)
$ git clone git@github.com:mujaheed00/Techie-horizon-01.git
Cloning into 'Techie-horizon-01'...
remote: Enumerating objects: 8, done.
remote: Counting objects: 100% (8/8), done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 8 (delta 2), reused 4 (delta 1), pack-reused 0 (from 0)
Receiving objects: 100% (8/8), done.
Resolving deltas: 100% (2/2), done.

MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app (master)
$ ls
Techie-horizon-01/  a  abc  apple  b  c  d  e  f  orange

MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app (master)
$ |
```

By changing the directory that are taken from the central repository we can get all the files present in the central repository

```
MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app (master)
$ cd Techie-horizon-01

MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app/Techie-horizon-01 (master)
$ ls
a  abc  apple  b  c  d  e  f  orange
```

If we delete a file orange in the local machine use git rm orange

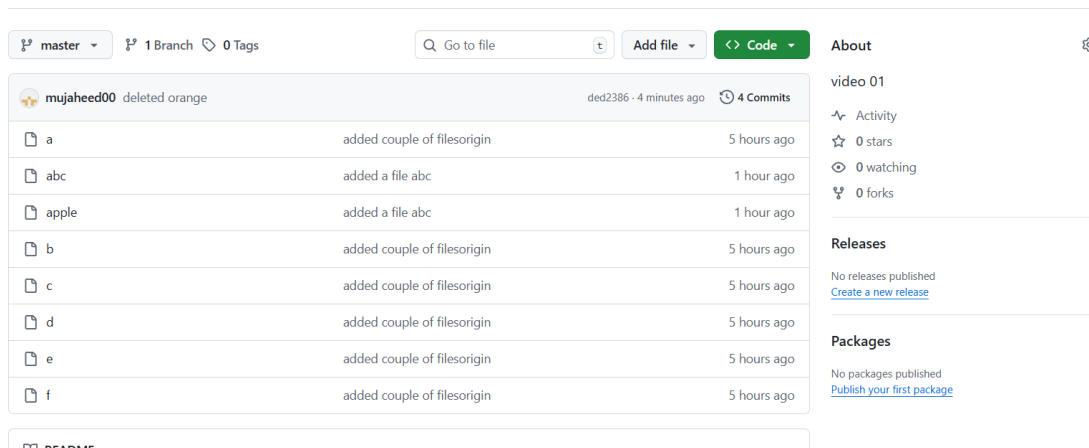
```
MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app/Techie-horizon-01 (master)
$ git rm orange
rm 'orange'

MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app/Techie-horizon-01 (master)
$ ls
a  abc  apple  b  c  d  e  f
```

We need to do commit command and need to push that to central repository then it will delete orange file in the central repository

```
MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app/Techie-horizon-01 (master)
$ git push -u origin
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 226 bytes | 226.00 KiB/s, done.
Total 2 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To github.com:mujaheed00/Techie-horizon-01.git
   690c283..ded2386  master -> master
branch 'master' set up to track 'origin/master'.
```





If we need to get back our file to both the we will do git revert <commit id>

If we don't know the commit id we use a command git log -3

It shows the top 3 changed logs then we need to revert it

```
MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app/Techie-horizon-01 (master)
$ git log -5
commit ded2386c154a248ad71e9e957a8b0ded97134444 (HEAD -> master, origin/master, origin/HEAD)
Author: Mujaheed <mohammadmujaheedshaik@gmail.com>
Date: Wed Sep 10 22:20:53 2025 +0530

    deleted orange

commit 690c2835099b6ba17a81d02422f7895fa406a9c8
Author: mujaheed00 <mohammadmujaheedshaik@gmail.com>
Date: Wed Sep 10 21:52:14 2025 +0530

    file on central repository

commit 13e842644f900112893fd9ed2723b6a019d9b9e3
Author: Mujaheed <mohammadmujaheedshaik@gmail.com>
Date: Wed Sep 10 21:16:38 2025 +0530

    added a file abc

commit aa633f9998b09eab03b27e4c403b83537ba9d6de
Author: Mujaheed <mohammadmujaheedshaik@gmail.com>
Date: Wed Sep 10 17:19:49 2025 +0530

    added couple of filesorigin
```

Use the commit id of deleted file and get the file back

MINGW64/c/Users/Ashish/Desktop/Hiring app/Techie-horizon-01

Revert "deleted orange"

This reverts commit ded2386c154a248ad71e9e957a8b0ded97134444.

# Please enter the commit message for your changes. Lines starting  
# with '#' will be ignored, and an empty message aborts the commit.

#

# On branch master

# Your branch is up to date with 'origin/master'.

#

# Changes to be committed:

#     new file:     orange

#

~

~

~

Save this edited file and do ls

MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app/Techie-horizon-01 (master)

\$ git revert ded238

[master 003136b] Revert "deleted orange"

1 file changed, 1 insertion(+)

create mode 100644 orange

MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app/Techie-horizon-01 (master)

\$ ls

a abc apple b c d e f orange

If we use git push command then we will get the file back to central repository

MUJJU SK@DESKTOP-LU541U4 MINGW64 ~/Desktop/Hiring app/Techie-horizon-01 (master)

\$ git push -u origin

Enumerating objects: 4, done.

Counting objects: 100% (4/4), done.

Delta compression using up to 12 threads

Compressing objects: 100% (2/2), done.

Writing objects: 100% (3/3), 334 bytes | 334.00 KiB/s, done.

Total 3 (delta 1), reused 1 (delta 0), pack-reused 0

remote: Resolving deltas: 100% (1/1), completed with 1 local object.

To github.com:mujaheed00/Techie-horizon-01.git

ded2386..003136b master -> master

branch 'master' set up to track 'origin/master'.

master

1 Branch

0 Tags

Go to file

Add file

Code

mujaheed00

Revert "deleted orange"

003136b · 4 minutes ago

5 Commits

a	added couple of filesorigin	5 hours ago
abc	added a file abc	1 hour ago
apple	added a file abc	1 hour ago
b	added couple of filesorigin	5 hours ago
c	added couple of filesorigin	5 hours ago
d	added couple of filesorigin	5 hours ago
e	added couple of filesorigin	5 hours ago
f	added couple of filesorigin	5 hours ago
orange	Revert "deleted orange"	4 minutes ago

README

video 01

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