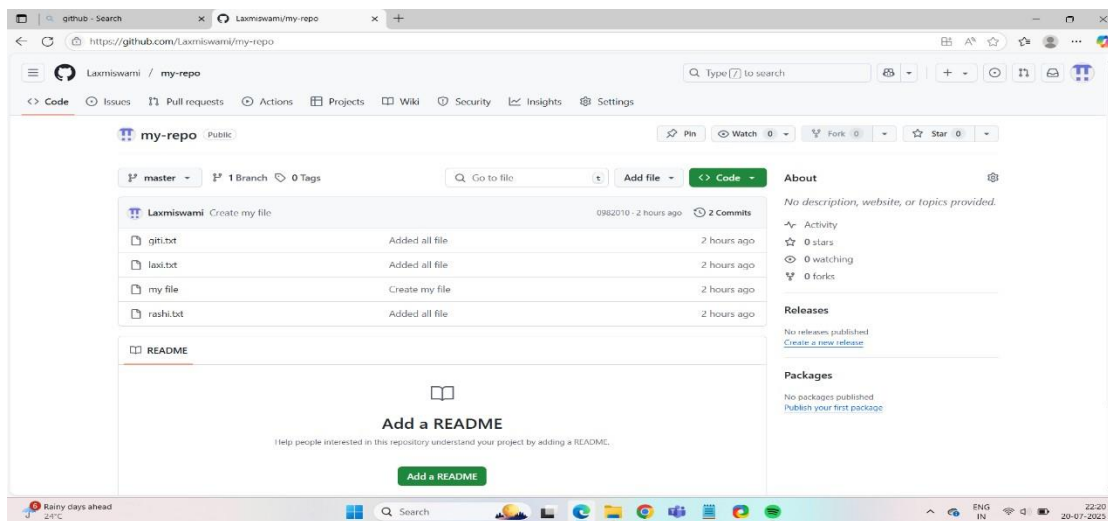


Name: Laxmi Swami

Topic: Git Branches



there is only one branch i.e “master” branch.

- To create new branch using command “git branch BranchName”.
- To change the branch using command “git checkout branch name”.
- Create some files in AWS branch
- it will be visible in each branch until we commit it to the particular branch.

```
root@ip-172-31-23-104: ~/my-repo
ls419@LAXMI MINGW64 ~
$ cd Downloads/

ls419@LAXMI MINGW64 ~/Downloads
$ ssh -i "my-key.pem" ubuntu@ec2-54-144-77-166.compute-1.amazonaws.com
welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-1029-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:        https://ubuntu.com/pro

System information as of Sun Jul 20 16:51:20 UTC 2025

System load: 0.0          Temperature:   -273.1 C
Usage of /:  25.7% of 6.71GB Processes:    108
Memory usage: 22%        Users logged in: 0
Swap usage:  0%          IPv4 address for ens5: 172.31.23.104

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

Last login: Sun Jul 20 16:34:06 2025 from 103.132.244.207
ubuntu@ip-172-31-23-104:~$ sudo su
root@ip-172-31-23-104:~# git clone https://github.com/Laxmismami/my-repo.git
Cloning into 'my-repo'...
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 7 (delta 1), reused 3 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (7/7), done.
Resolving deltas: 100% (1/1), done.

Switched to branch 'laxmi'
root@ip-172-31-23-104:~/my-repo# touch abc.txt cds.txt
root@ip-172-31-23-104:~/my-repo# ls
abc.txt  cds.txt  git.txt  laxi.txt  'my file'  rashi.txt
root@ip-172-31-23-104:~/my-repo# git add
root@ip-172-31-23-104:~/my-repo# git commit -m "added"
[mxmi 1d4f053] added
Committer: root <root@ip-172-31-23-104.ec2.internal>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

  git config --global --edit

After doing this, you may fix the identity used for this commit with:

  git commit --amend --reset-author

2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 abc.txt
create mode 100644 cds.txt
root@ip-172-31-23-104:~/my-repo# git status
On branch laxmi
nothing to commit, working tree clean
root@ip-172-31-23-104:~/my-repo# git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
root@ip-172-31-23-104:~/my-repo# ls
git.txt  laxi.txt  'my file'  rashi.txt
root@ip-172-31-23-104:~/my-repo# git checkout -b AWS
Switched to a new branch 'AWS'
root@ip-172-31-23-104:~/my-repo# git push origin AWS
Username for 'https://github.com': Laxmismami
Password for 'https://Laxmismami@github.com':
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
```

```
root@ip-172-31-23-104: ~/my-repo
create mode 100644 cds.txt
root@ip-172-31-23-104:~/my-repo# git status
On branch laxmi
nothing to commit, working tree clean
root@ip-172-31-23-104:~/my-repo# git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
root@ip-172-31-23-104:~/my-repo# ls
gitl.txt  laxi.txt  'my file'  rashi.txt
root@ip-172-31-23-104:~/my-repo# git checkout -b Aws
Switched to a new branch 'Aws'
root@ip-172-31-23-104:~/my-repo# git push origin Aws
Username for 'https://github.com': Laxmismwami
Password for 'https://Laxmismwami@github.com':
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'Aws' on GitHub by visiting:
remote:   https://github.com/Laxmismwami/my-repo/pull/new/Aws
remote:
To https://github.com/Laxmismwami/my-repo.git
 * [new branch]      Aws -> Aws
root@ip-172-31-23-104:~/my-repo# git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
root@ip-172-31-23-104:~/my-repo# git merge Aws
Already up to date.
root@ip-172-31-23-104:~/my-repo# git push origin master
Username for 'https://github.com': Laxmismwami
Password for 'https://Laxmismwami@github.com':
Everything up-to-date
root@ip-172-31-23-104:~/my-repo# git branch main
root@ip-172-31-23-104:~/my-repo# git merge main
Already up to date.
root@ip-172-31-23-104:~/my-repo# git checkout master
Already on 'master'
Your branch is up to date with 'origin/master'.
root@ip-172-31-23-104:~/my-repo# git checkout Aws
Switched to branch 'Aws'
root@ip-172-31-23-104:~/my-repo# git merge main
Already up to date.
root@ip-172-31-23-104:~/my-repo# git push origin master
```

- To commit the files to AWS branch we need to go to AWS branch.
- use command “git checkout AWS” to change the branch.

Add the files to staging area and commit it to AWS Branch. Hence, others branch can't access file rather AWS branch.

- use “git push origin branch name
- use command for merge : git merge branchname

```
root@ip-172-31-23-104: ~/my-repo
root@ip-172-31-23-104:~/my-repo# git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
root@ip-172-31-23-104:~/my-repo# ls
gitl.txt  laxi.txt  'my file'  rashi.txt
root@ip-172-31-23-104:~/my-repo# git checkout -b Aws
Switched to a new branch 'Aws'
root@ip-172-31-23-104:~/my-repo# git push origin Aws
Username for 'https://github.com': Laxmismwami
Password for 'https://Laxmismwami@github.com':
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'Aws' on GitHub by visiting:
remote:   https://github.com/Laxmismwami/my-repo/pull/new/Aws
remote:
To https://github.com/Laxmismwami/my-repo.git
 * [new branch]      Aws -> Aws
root@ip-172-31-23-104:~/my-repo# git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
root@ip-172-31-23-104:~/my-repo# git merge Aws
Already up to date.
root@ip-172-31-23-104:~/my-repo# git push origin master
Username for 'https://github.com': Laxmismwami
Password for 'https://Laxmismwami@github.com':
Everything up-to-date
root@ip-172-31-23-104:~/my-repo# git branch main
root@ip-172-31-23-104:~/my-repo# git merge main
Already up to date.
root@ip-172-31-23-104:~/my-repo# git checkout master
Already on 'master'
Your branch is up to date with 'origin/master'.
root@ip-172-31-23-104:~/my-repo# git checkout Aws
Switched to branch 'Aws'
root@ip-172-31-23-104:~/my-repo# git merge main
Already up to date.
root@ip-172-31-23-104:~/my-repo# git push origin master
Username for 'https://github.com': Laxmismwami
Password for 'https://Laxmismwami@github.com':
Everything up-to-date
root@ip-172-31-23-104:~/my-repo#
```

github - Search

Laxmiswami/my-repo at AWS

+

https://github.com/Laxmiswami/my-repo/tree/AWS

Laxmiswami / my-repo

Q Type [Z] to search

+

+

+

+

+

+

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

my-repo Public

Pin Watch 0 Fork 0 Star 0

AWs 2 Branches 0 Tags

Go to file t

Add file <> Code

About

Switch branches/tags

Find or create a branch...

Branches Tags

master default

✓ AWS

View all branches

rashi.txt

Contribute

0982010 - 2 hours ago 2 Commits

Added all file 2 hours ago

Added all file 2 hours ago

Create my file 2 hours ago

Added all file 2 hours ago

README

Add a README

Help people interested in this repository understand your project by adding a README.

About

No description, website, or topics provided.

Activity

0 stars

0 watching

0 forks

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

Very humid Now

Search

ENG IN

22:27 20-07-2025