



File Edit View Search Terminal Help

root@ip-172-31-18-161:/home/mmanojsimplilea/akshatproj# git branch

\* master

root@ip-172-31-18-161:/home/mmanojsimplilea/akshatproj#

← list of branches

root@ip-172-31-18-161:/home/mmanojsimplilea/akshatproj# git branch branch1

← create a branch branch1

root@ip-172-31-18-161:/home/mmanojsimplilea/akshatproj# git branch

branch1

\* master ← current branch

root@ip-172-31-18-161:/home/mmanojsimplilea/akshatproj# git checkout branch1

Switched to branch 'branch1'

root@ip-172-31-18-161:/home/mmanojsimplilea/akshatproj# git branch

\* branch1

master

```
root@ip-172-31-18-161:/home/mmanojssimplilea/akshatproj# touch file11
root@ip-172-31-18-161:/home/mmanojssimplilea/akshatproj# git add .
root@ip-172-31-18-161:/home/mmanojssimplilea/akshatproj# git commit -m"c1"
[branch1 842543c] c1
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file11
root@ip-172-31-18-161:/home/mmanojssimplilea/akshatproj# touch file12
root@ip-172-31-18-161:/home/mmanojssimplilea/akshatproj# git add .
root@ip-172-31-18-161:/home/mmanojssimplilea/akshatproj# git commit -m"c2"
[branch1 e4503b8] c2
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file12
root@ip-172-31-18-161:/home/mmanojssimplilea/akshatproj#
```

```
root@ip-172-31-18-161:/home/mmanojssimplilea/akshatproj# git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
root@ip-172-31-18-161:/home/mmanojssimplilea/akshatproj#
```

```
root@ip-172-31-18-161:/home/mmanojssimplilea/akshatproj# git branch
branch1
* master
root@ip-172-31-18-161:/home/mmanojssimplilea/akshatproj# touch file13
root@ip-172-31-18-161:/home/mmanojssimplilea/akshatproj# git add .
root@ip-172-31-18-161:/home/mmanojssimplilea/akshatproj# git commit -m"c3"
[master 98c8657] c3
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file13
root@ip-172-31-18-161:/home/mmanojssimplilea/akshatproj# touch file14
root@ip-172-31-18-161:/home/mmanojssimplilea/akshatproj# git add .
root@ip-172-31-18-161:/home/mmanojssimplilea/akshatproj# git commit -m"c4"
[master 5fe1064] c4
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file14
root@ip-172-31-18-161:/home/mmanojssimplilea/akshatproj#
```

```
File Edit View Search Terminal Help
root@ip-172-31-18-161:/home/mmanojssimplilea/akshatproj# git branch
branch1
* master
root@ip-172-31-18-161:/home/mmanojssimplilea/akshatproj# git merge branch1
```

← merge the  
branch1 with  
master

```
File Edit View Search Terminal Help
GNU nano 4.8 /home/mmanojssimplilea/akshatproj/.git/MERGE_MSG
Merge branch 'branch1'
# Please enter a commit message to explain why this merge is necessary,
# especially if it merges an updated upstream into a topic branch.
#
# Lines starting with '#' will be ignored, and an empty message aborts
# the commit.
```

*nano file editor will open*

```
File Edit View Search Terminal Help
GNU nano 4.8 /home/mmanojssimplilea/akshatproj/.git/MERGE_MSG
c5
# Please enter a commit message to explain why this merge is necessary,
# especially if it merges an updated upstream into a topic branch.
#
# Lines starting with '#' will be ignored, and an empty message aborts
# the commit.
```

Press ctrl x and y

<https://www.freecodecamp.org/news/how-to-save-and-exit-nano-in-terminal-nano-quit-command/>

```
root@ip-172-31-18-161:/home/mmanojssimplilea/akshatproj# git log --oneline
2ad56f2 (HEAD -> master) Merge branch 'branch1'
5fe1064 c4
98c8657 c3
e4503b8 (branch1) c2
842543c c1
2a4d83c (origin/master) fourth commit
6ae2b70 Create testfile
6d5e102 gitignore creatdd
11aa284 sunita
f6b89ab this is third commit
04548b9 akshat.txt file created:
ce20d3b Created index.html file
root@ip-172-31-18-161:/home/mmanojssimplilea/akshatproj#
```

```
root@ip-172-31-18-161:/home/mmanojsimplilea/akshatproj# git log --oneline --graph
* 2ad56f2 (HEAD -> master) Merge branch 'branch1'
|
| * e4503b8 (branch1) c2
| * 842543c c1
| * 5fe1064 c4
| * 98c8657 c3
|/
* 2a4d83c (origin/master) fourth commit
* 6ae2b70 Create testfile
* 6d5e102 gitignore creatdd
* 11aa284 sunita
* f6b89ab this is third commit
* 04548b9 akshat.txt file created:
* ce20d3b Created index.html file
```