

## GIT MERGE

### 1: git merge

`git merge <source-branch-name>` command can be executed using the syntax

```
$ git merge <source-branch-name>
```

```
[ubuntu@ip-172-31-33-5:~/devops$ ls
1.txt 2.txt 3.txt
[ubuntu@ip-172-31-33-5:~/devops$ git status
On branch branch1
nothing to commit, working tree clean
[ubuntu@ip-172-31-33-5:~/devops$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
[ubuntu@ip-172-31-33-5:~/devops$ ls
1.txt 2.txt
[ubuntu@ip-172-31-33-5:~/devops$ git merge branch1
Updating 6f13532..dd6974e
Fast-forward
 3.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 3.txt
[ubuntu@ip-172-31-33-5:~/devops$ ls
1.txt 2.txt 3.txt
[ubuntu@ip-172-31-33-5:~/devops$
```

## 2: git log

Use the following command to get the history of the branch.

```
$ git log --graph --pretty=oneline
```

```
ubuntu@ip-172-31-26-120:~/n$ git log --graph --pretty=oneline
*   d92f22eeb6bb7fef1706b397abe804dc557ec88 (HEAD -> master) Merge branch
|
| \
|  * aeabc77927892bd1c74ffd9b3d9af7f3b763ee8da (test) 1st on test
|  * | b62c11b6a12e4c0431bf4ae7f9fe90f744d485b7 second on master
|  /
|
| * 071f9bd946e502d4643d2fc7e2dd7c26dea0eaf9 first commit in master
```

