

Local repository에서의 Git 명령어 동작 예제연습

B411001 강도연

```
Reading state information... Done
git is already the newest version (1:2.17.1-1ubuntu0.5).
git set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 35 not upgraded.
ubuntu@ip-172-31-46-150:~$ ls
Desktop  Downloads  Pictures  Templates  thinclient_drives
Documents Music      Public    Videos
ubuntu@ip-172-31-46-150:~$ mkdir gitDemo
ubuntu@ip-172-31-46-150:~$ cd gitDemo
ubuntu@ip-172-31-46-150:~/gitDemo$ ls
ubuntu@ip-172-31-46-150:~/gitDemo$ git init
Initialized empty Git repository in /home/ubuntu/gitDemo/.git/
ubuntu@ip-172-31-46-150:~/gitDemo$ touch f1.txt f2.txt
ubuntu@ip-172-31-46-150:~/gitDemo$ ls
f1.txt f2.txt
ubuntu@ip-172-31-46-150:~/gitDemo$ git status
On branch master

No commits yet

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

        f1.txt
        f2.txt

nothing added to commit but untracked files present (use "git add" to track)
ubuntu@ip-172-31-46-150:~/gitDemo$ git add .
ubuntu@ip-172-31-46-150:~/gitDemo$ git status
On branch master

No commits yet

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

        new file:   f1.txt
        new file:   f2.txt

ubuntu@ip-172-31-46-150:~/gitDemo$
```

git init

```
ubuntu@ip-172-31-46-150: ~/gitDemo

f2.txt

nothing added to commit but untracked files present (use "git add" to track)
ubuntu@ip-172-31-46-150:~/gitDemo$ git add .
ubuntu@ip-172-31-46-150:~/gitDemo$ git status
On branch master

No commits yet

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

        new file:   f1.txt
        new file:   f2.txt

ubuntu@ip-172-31-46-150:~/gitDemo$ git rm --cached f1.txt
rm 'f1.txt'
ubuntu@ip-172-31-46-150:~/gitDemo$ ls
f1.txt f2.txt
ubuntu@ip-172-31-46-150:~/gitDemo$ git status
On branch master

No commits yet

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

        new file:   f2.txt

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

        f1.txt

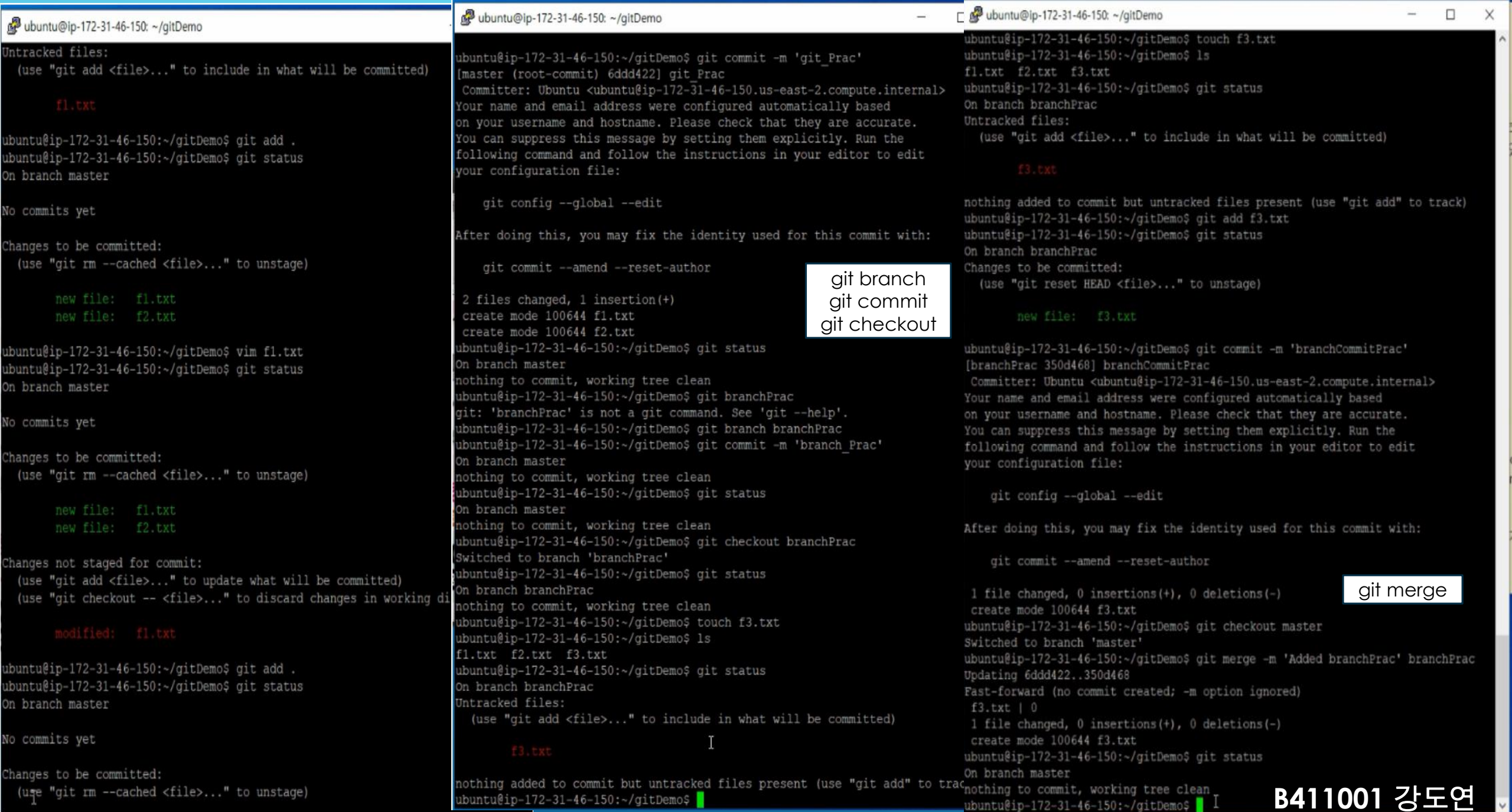
ubuntu@ip-172-31-46-150:~/gitDemo$ git add .
ubuntu@ip-172-31-46-150:~/gitDemo$ git status
On branch master

No commits yet

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

        new file:   f1.txt
```

git status
git add



Local repository와 Github remote repository 연결, 그리고 push까지의 동작 연습

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```
ubuntu@ip-172-31-46-150: ~/githubPrac
* Multipass 1.1 adds proxy support for developers behind enterprise
  firewalls. Rapid prototyping for cloud operations just got easier.

  https://multipass.run/

* Canonical Livepatch is available for installation.
  - Reduce system reboots and improve kernel security. Activate at:
    https://ubuntu.com/livepatch

26 packages can be updated.
2 updates are security updates.

*** System restart required ***
Last login: Wed Mar 25 05:02:23 2020 from 180.71.162.76
ubuntu@ip-172-31-46-150:~$ mkdir githubPrac
ubuntu@ip-172-31-46-150:~$ cd githubPrac
ubuntu@ip-172-31-46-150:~/githubPrac$ git init
Initialized empty Git repository in /home/ubuntu/githubPrac/.git/
ubuntu@ip-172-31-46-150:~/githubPrac$ ls
ubuntu@ip-172-31-46-150:~/githubPrac$ touch f1.txt f2.txt
ubuntu@ip-172-31-46-150:~/githubPrac$ ls
f1.txt f2.txt
ubuntu@ip-172-31-46-150:~/githubPrac$
```

```
ubuntu@ip-172-31-46-150: ~/githubPrac
On branch master

No commits yet

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

        f1.txt
        f2.txt

nothing added to commit but untracked files present (use "git add" to track)
ubuntu@ip-172-31-46-150:~/githubPrac$ git add .
ubuntu@ip-172-31-46-150:~/githubPrac$ git status
On branch master

No commits yet

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

        new file:   f1.txt
        new file:   f2.txt

ubuntu@ip-172-31-46-150:~/githubPrac$ git commit -m 'githubPrac'
```

```
ubuntu@ip-172-31-46-150: ~/githubPrac
ubuntu@ip-172-31-46-150:~/githubPrac$ git commit -m 'githubPrac'
[master (root-commit) 4ab8b2c] githubPrac
Committer: Ubuntu <ubuntu@ip-172-31-46-150.us-east-2.compute.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 f1.txt
create mode 100644 f2.txt
ubuntu@ip-172-31-46-150:~/githubPrac$ git status
On branch master
nothing to commit, working tree clean
ubuntu@ip-172-31-46-150:~/githubPrac$ git remote add origin https://github.com/d
oyun0916/githubPrac.git
ubuntu@ip-172-31-46-150:~/githubPrac$
```

git remote add

```
ubuntu@ip-172-31-46-150: ~/githubPrac
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 f1.txt
create mode 100644 f2.txt
ubuntu@ip-172-31-46-150:~/githubPrac$ git status
On branch master
nothing to commit, working tree clean
ubuntu@ip-172-31-46-150:~/githubPrac$ git remote add origin https://github.com/doyun0916/githubPrac.git
ubuntu@ip-172-31-46-150:~/githubPrac$ git remote
origin
ubuntu@ip-172-31-46-150:~/githubPrac$ git push -u origin master
Username for 'https://github.com': doyun0916@naver.com
Password for 'https://doyun0916@naver.com@github.com':
remote: Invalid username or password.
fatal: Authentication failed for 'https://github.com/doyun0916/githubPrac.git/'
ubuntu@ip-172-31-46-150:~/githubPrac$ git push -u origin master
Username for 'https://github.com': doyun0916@naver.com
Password for 'https://doyun0916@naver.com@github.com':
```

```
ubuntu@ip-172-31-46-150: ~/githubPrac
*** System restart required ***
Last login: Wed Mar 25 05:45:34 2020 from 180.71.162.76
ubuntu@ip-172-31-46-150:~$ ls
Desktop  Downloads  Pictures  Templates  gitDemo  thinclient_drives
Documents Music      Public    Videos    githubPrac
ubuntu@ip-172-31-46-150:~$ cd githubPrac
ubuntu@ip-172-31-46-150:~/githubPrac$ ls
f1.txt f2.txt
ubuntu@ip-172-31-46-150:~/githubPrac$ git status
On branch master
nothing to commit, working tree clean
ubuntu@ip-172-31-46-150:~/githubPrac$ git push -u origin master
Username for 'https://github.com': doyun0916
Password for 'https://doyun0916@github.com':
Counting objects: 3, done.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 235 bytes | 235.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/doyun0916/githubPrac.git
 * [new branch] master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
ubuntu@ip-172-31-46-150:~/githubPrac$ touch f3.txt
ubuntu@ip-172-31-46-150:~/githubPrac$ git add .
ubuntu@ip-172-31-46-150:~/githubPrac$ git commit -m 'gitaddprac'
```

```
ubuntu@ip-172-31-46-150: ~/githubPrac
ubuntu@ip-172-31-46-150:~/githubPrac$ git commit -m 'gitaddprac'
[master 543d452] gitaddprac
Committer: Ubuntu <ubuntu@ip-172-31-46-150.us-east-2.compute.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

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f3.txt
ubuntu@ip-172-31-46-150:~/githubPrac$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)

nothing to commit, working tree clean
ubuntu@ip-172-31-46-150:~/githubPrac$
```

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```
ubuntu@ip-172-31-46-150: ~/githubPrac
After doing this, you may fix the identity used for this commit with:

git commit --amend --reset-author

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 f3.txt
ubuntu@ip-172-31-46-150:~/githubPrac$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)

nothing to commit, working tree clean
ubuntu@ip-172-31-46-150:~/githubPrac$ git push -u origin master
Username for 'https://github.com': doyun0916
Password for 'https://doyun0916@github.com':
Counting objects: 2, done.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 257 bytes | 257.00 KiB/s, done.
Total 2 (delta 0), reused 0 (delta 0)
To https://github.com/doyun0916/githubPrac.git
 4ab8b2c..543d452 master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
ubuntu@ip-172-31-46-150:~/githubPrac$
```

git push

Remote repository에서 Local repository로 clone 하여 작업 후, 다시 remote repository로 push하는 과정 연습

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doyun0916 / remote_repo_example

Unwatch 1 Star 0 Fork 0

Code Issues 0 Pull requests 0 Actions Projects 0 Wiki Security Insights Settings

No description, website, or topics provided. Edit

Manage topics

2 commits 1 branch 0 packages 0 releases 1 contributor

Branch: master New pull request

Create new file Upload files Find file Clone or download

doyun0916 Create test.txt Latest commit 5e9928a 9 minutes ago

README.md	Initial commit	10 minutes ago
test.txt	Create test.txt	9 minutes ago



After 'push'

remote_repo_example

doyun0916 / remote_repo_example

Unwatch 1 Star 0 Fork 0

Code Issues 0 Pull requests 0 Actions Projects 0 Wiki Security Insights Settings

History for remote_repo_example / test.txt

Commits on Mar 30, 2020

modified1.txt	ae7a80a	
Ubuntu committed 3 minutes ago		
Create test.txt	5e9928a	Verified
doyun0916 committed 10 minutes ago		

Newer Older


```
ubuntu@ip-172-31-46-150: ~/repo1
* Canonical Livepatch is available for installation.
- Reduce system reboots and improve kernel security. Activate at:
https://ubuntu.com/livepatch

33 packages can be updated.
0 updates are security updates.

*** System restart required ***
Last login: Mon Mar 30 04:54:21 2020 from 180.71.162.76
ubuntu@ip-172-31-46-150:~$ mkdir repo1
ubuntu@ip-172-31-46-150:~$ cd repo1
ubuntu@ip-172-31-46-150:~/repo1$ git clone https://github.com/doyun0916/
repo_example.git .
Cloning into '.'...
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (6/6), done.
ubuntu@ip-172-31-46-150:~/repo1$ ls -la
total 20
drwxrwxr-x 3 ubuntu ubuntu 4096 Mar 30 08:28 .
drwxr-xr-x 19 ubuntu ubuntu 4096 Mar 30 08:27 ..
drwxrwxr-x 8 ubuntu ubuntu 4096 Mar 30 08:28 .git
-rw-rw-r-- 1 ubuntu ubuntu 22 Mar 30 08:28 README.md
-rw-rw-r-- 1 ubuntu ubuntu 16 Mar 30 08:28 test.txt
ubuntu@ip-172-31-46-150:~/repo1$ git branch -a
* master
remotes/origin/HEAD -> origin/master
remotes/origin/master
ubuntu@ip-172-31-46-150:~/repo1$ vim test.txt
ubuntu@ip-172-31-46-150:~/repo1$ vim test.txt
ubuntu@ip-172-31-46-150:~/repo1$ git diif
git: 'diif' is not a git command. See 'git --help'.

The most similar command is
diff
ubuntu@ip-172-31-46-150:~/repo1$ git diff
diff --git a/test.txt b/test.txt
index 6d07bf1..167efa6 100644
--- a/test.txt
+++ b/test.txt
@@ -1,3 @@
just an example
+
+insertion from local
ubuntu@ip-172-31-46-150:~/repo1$ git status
On branch master
```

git clone

git diff

```
ubuntu@ip-172-31-46-150: ~/repo1
+insertion from local
ubuntu@ip-172-31-46-150:~/repo1$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
(use "git add <file>..." to update what will be committed)
(use "git checkout -- <file>..." to discard changes in working directory)

modified:   test.txt

no changes added to commit (use "git add" and/or "git commit -a")
ubuntu@ip-172-31-46-150:~/repo1$ git add -a
error: unknown switch 'a'
usage: git add [<options>] [--] <paths>...

-n, --dry-run          dry run
-v, --verbose          be verbose

-i, --interactive      interactive picking
-p, --patch            select hunks interactively
-e, --edit             edit current diff and apply
-f, --force            allow adding otherwise ignored files
-u, --update           update tracked files
--renormalize          renormalize EOL of tracked files (implies
-N, --intent-to-add    record only the fact that the path will be
-A, --all              add changes from all tracked and untracked
--ignore-removal       ignore paths removed in the working tree
--all)
--refresh              don't add, only refresh the index
--ignore-errors        just skip files which cannot be added because
--ignore-missing       check if - even missing - files are ignored
--chmod <(<+/->)>x    override the executable bit of the listed files

ubuntu@ip-172-31-46-150:~/repo1$ git add -A
ubuntu@ip-172-31-46-150:~/repo1$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
(use "git reset HEAD <file>..." to unstage)

modified:   test.txt

ubuntu@ip-172-31-46-150:~/repo1$ git commit -m 'modified1.txt'
[master ae7a80a] modified1.txt
Committer: Ubuntu <ubuntu@ip-172-31-46-150.us-east-2.compute.intern
Your name and email address were configured automatically based
```

```
ubuntu@ip-172-31-46-150: ~/repo1
Your branch is up to date with 'origin/master'.

Changes to be committed:
(use "git reset HEAD <file>..." to unstage)

modified:   test.txt

ubuntu@ip-172-31-46-150:~/repo1$ git commit -m 'modified1.txt'
[master ae7a80a] modified1.txt
Committer: Ubuntu <ubuntu@ip-172-31-46-150.us-east-2.compute.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

1 file changed, 2 insertions(+)
ubuntu@ip-172-31-46-150:~/repo1$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)

nothing to commit, working tree clean
ubuntu@ip-172-31-46-150:~/repo1$ git pull origin master
From https://github.com/doyun0916/remote_repo_example
* branch      master       -> FETCH_HEAD
Already up to date.
ubuntu@ip-172-31-46-150:~/repo1$ git push origin master
Username for 'https://github.com': doyun0916
Password for 'https://doyun0916@github.com':
remote: Invalid username or password.
fatal: Authentication failed for 'https://github.com/doyun0916/remote_repo_example.git/'
ubuntu@ip-172-31-46-150:~/repo1$ git push origin master
Username for 'https://github.com': doyun0916
Password for 'https://doyun0916@github.com':
Counting objects: 3, done.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 335 bytes | 335.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/doyun0916/remote_repo_example.git
5e9928a..ae7a80a master -> master
ubuntu@ip-172-31-46-150:~/repo1$
```

B411001 강도연

Github의 GUI 이용하여 file create, edit 및 branch 기능 사용 연습

B411001 강도연

doyun0916 / github_demo

<> Code

Issues 0

Pull requests 0

Actions

Projects 0

Wiki

Sec

Branch: master ▾ github_demo / README.md

doyun0916 Update README.md

1 contributor

3 lines (2 sloc) | 51 Bytes

github_demo

its the first github demo using GUI

Create & update file

doyun0916 / github_demo

<> Code

Issues 0

Pull requests 0

Actions

Projects 0

Wiki

Security

Insights

Settings

History for github_demo / secondtest.txt

Commits on Mar 30, 2020

Update secondtest.txt

doyun0916 committed 16 seconds ago

Verified 2818a14 <>

Create secondtest.txt

doyun0916 committed 1 minute ago

Verified ea79b6d <>

doyun0916 / github_demo

<> Code

Issues 0

Pull requests 0

Actions

Projects 0

Wiki

Security

Insights

Settings

Branch: br1 ▾ github_demo / secondtest.txt

doyun0916 Update secondtest.txt

1 contributor

5 lines (3 sloc) | 81 Bytes

1 this is the second test

2

3 first edit in this txt

4

5 this edit is from branch1

Difference b/w 'master' and 'br1' before merge

doyun0916 / github_demo

<> Code

Issues 0

Pull requests 0

Actions

Projects 0

Wiki

Security

Insights

Settings

Branch: master ▾ github_demo / secondtest.txt

doyun0916 Update secondtest.txt

1 contributor

3 lines (2 sloc) | 50 Bytes

1 this is the second test

2

3 first edit in this txt

Raw

Blame

History

doyun0916 / github_demo

Code Issues 0 Pull requests 0 Actions Projects 0 Wiki Security Insights Settings

Branch: br1

Commits on Mar 30, 2020

- Update secondtest.txt
doyun0916 committed 2 minutes ago 06c0fc7
- Update secondtest.txt
doyun0916 committed 3 minutes ago 2818a14 Verified
- Create secondtest.txt
doyun0916 committed 4 minutes ago ea79b6d Verified
- Update README.md
doyun0916 committed 5 minutes ago 2e8b2ad Verified
- Initial commit
doyun0916 committed 6 minutes ago a0c371f Verified

History difference b/w 'master' and 'br1'

doyun0916 / github_demo

Code Issues 0 Pull requests 0 Actions Projects 0 Wiki Security Insights Settings

Branch: master

Commits on Mar 30, 2020

- Update secondtest.txt
doyun0916 committed 3 minutes ago 06c0fc7 Verified
- Create secondtest.txt
doyun0916 committed 4 minutes ago 2818a14 Verified
- Update README.md
doyun0916 committed 6 minutes ago 2e8b2ad Verified
- Initial commit
doyun0916 committed 6 minutes ago a0c371f Verified

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).

base: master compare: br1 ✓ Able to merge. These branches can be automatically merged.

Update secondtest.txt

Write Preview

need for merge into our master branch

Attach files by dragging & dropping, selecting or pasting them.

Reviewers

Labels

Projects

Milestone

Create pull request

Pull request

Update secondtest.txt #1

Merged doyun0916 merged 1 commit into master from br1 now

Conversation 0 Commits 1 Checks 0 Files changed 1 +2 -0

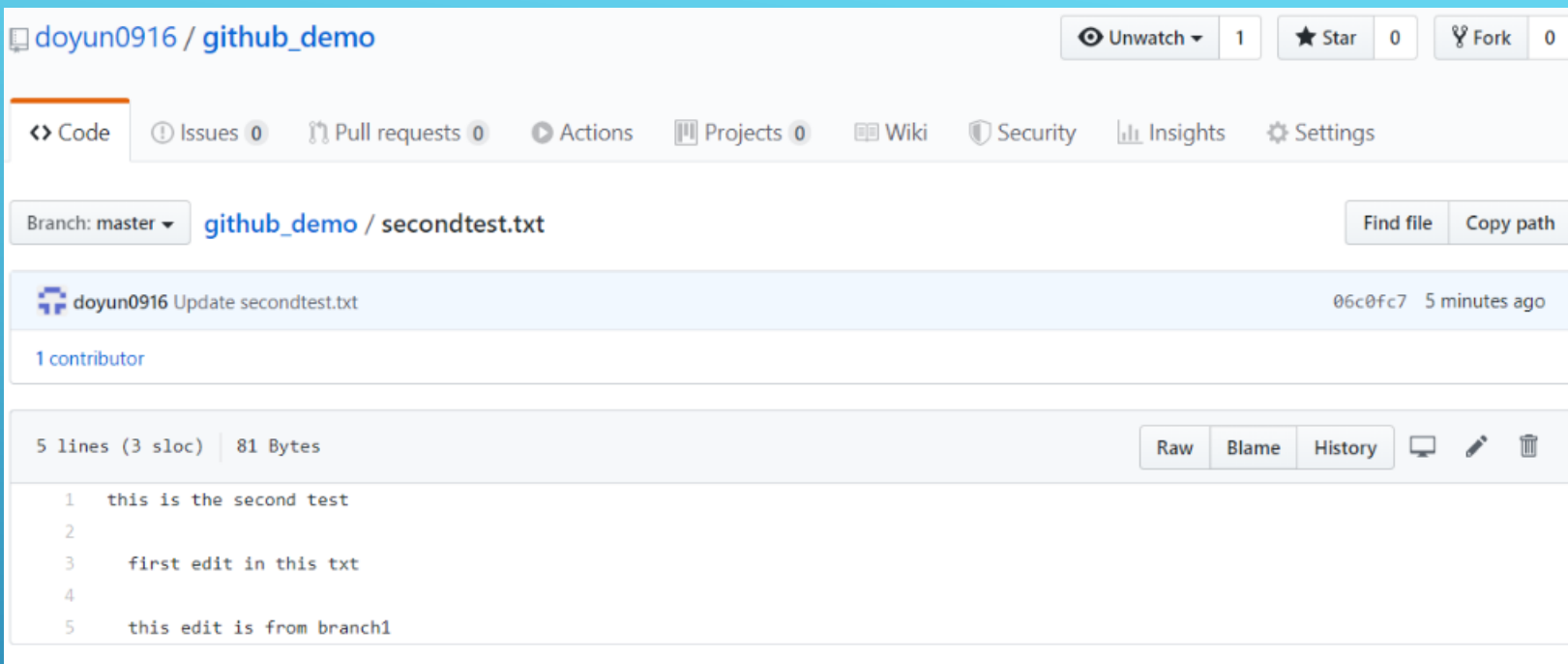
doyun0916 commented 2 minutes ago
need for merge into our master branch

Update secondtest.txt
doyun0916 merged commit 6b338fc into master now

Pull request successfully merged and closed
You're all set—the br1 branch can be safely deleted.

Delete branch

merge



doyun0916 / github_demo

Unwatch 1 Star 0 Fork 0

Code Issues 0 Pull requests 0 Actions Projects 0 Wiki Security Insights Settings

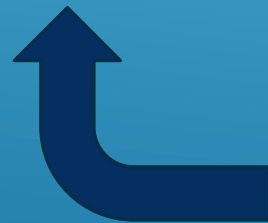
Branch: master ▾ github_demo / secondtest.txt Find file Copy path

doyun0916 Update secondtest.txt 06c0fc7 5 minutes ago

1 contributor

5 lines (3 sloc) | 81 Bytes Raw Blame History

```
1 this is the second test
2
3 first edit in this txt
4
5 this edit is from branch1
```



After merging,
the final result showed that also in **master
branch**, the file 'secondtest.txt' got updated as
same as which is in the '**branch: br1**'