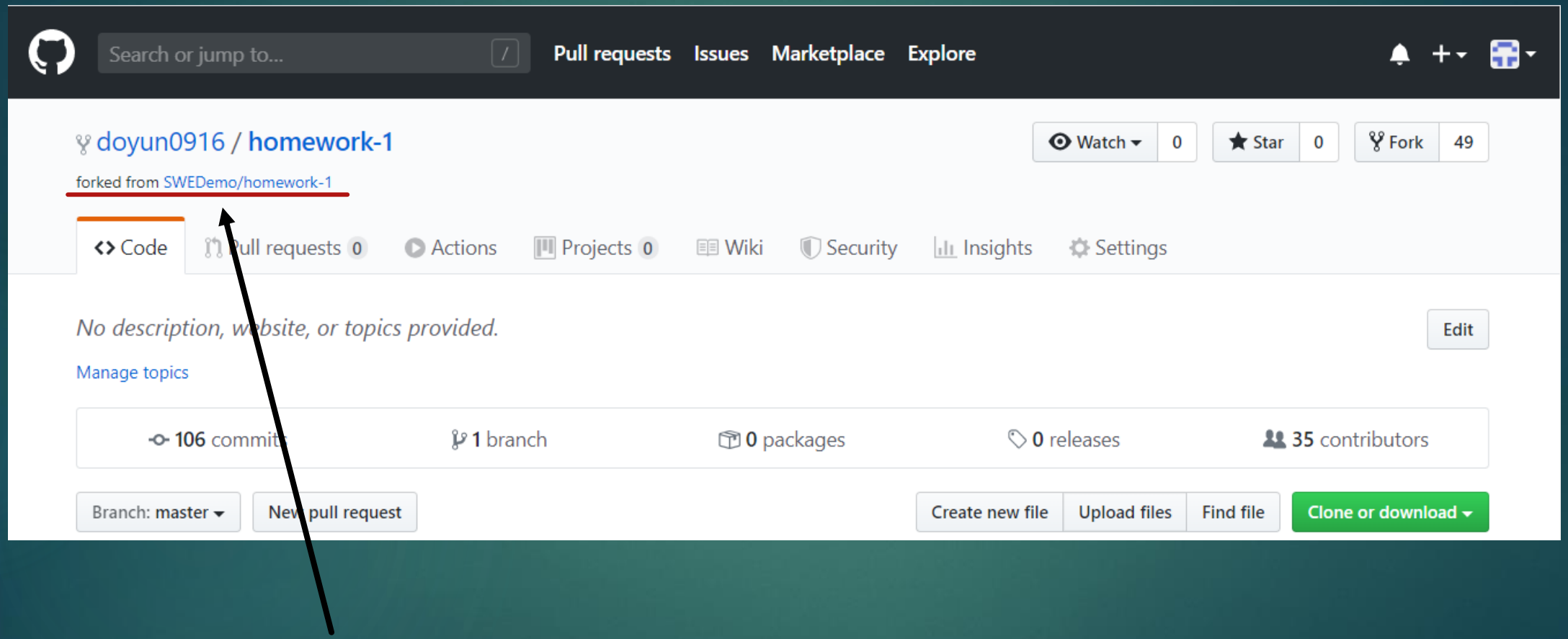
다른사람의 GITHUB REMOTE REPOSITORY를 FORK 하여, COMMAND-LINE을 통해 CONTRIBUTE 하는 과정 실습 연습

B411001 강도연



우선 상대계정의 repositor를 'fork' 버튼을 통해 내 계정으로 복사해온다.

Local repository를 만들기 위한
자신의 ubuntu 머신에 접속 한다

```
ubuntu@ip-172-31-46-150: ~/fork_pull_demo
login as: ubuntu
Authenticating with public key "imported-openssh-key"
Welcome to Ubuntu 18.04.3 LTS (GNU/Linux 4.15.0-1057-aws x86_64)

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

  System information as of Thu Apr  2 14:09:44 UTC 2020

  System load:  0.01              Processes:           130
  Usage of /:   45.5% of 7.69GB   Users logged in:     0
  Memory usage: 47%               IP address for eth0: 172.31.46.150
  Swap usage:   0%

 * Kubernetes 1.18 GA is now available! See https://microk8s.io for docs or
   install it with:

     sudo snap install microk8s --channel=1.18 --classic

 * 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

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


*** System restart required ***
Last login: Mon Mar 30 08:27:00 2020 from 180.71.162.76
```

```
*** System restart required ***
Last login: Mon Mar 30 08:27:00 2020 from 180.71.162.76
ubuntu@ip-172-31-46-150:~$ ls
Desktop    Downloads  Pictures  Templates  gitDemo     repo1
Documents  Music      Public    Videos     githubPrac  thinclient_drives
ubuntu@ip-172-31-46-150:~$ mkdir fork_pull_demo
ubuntu@ip-172-31-46-150:~$ cd fork_pull_demo
ubuntu@ip-172-31-46-150:~/fork_pull_demo$ git clone https://github.com/doyun0916/homework-1.git .
Cloning into '.'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 247 (delta 0), reused 0 (delta 0), pack-reused 244
Receiving objects: 100% (247/247), 71.12 KiB | 472.00 KiB/s, done.
Resolving deltas: 100% (78/78), done.
ubuntu@ip-172-31-46-150:~/fork_pull_demo$ ls
 B111164.이양우.HW1.txt   B411209.txt               B511135.이범학.hw1        B511207최상현.HW1.txt    B611035.김성은.HW1.txt   B711223.박지선.HW1.txt
 B211185.이혁준.HW1.txt  'B471008 김지현  HW1.txt'  'B511140 SongheeLee.txt'  B511218.한상준.HW1.txt  'B611065 민찬기.txt'     B711233.차예슬.HW1.txt
 B311106.신승진.HW1.txt   B481072.박준수.HW1.txt    B511177.txt               B515183.정종현.HW1.txt   B611227.송혜은.HW1.txt   B711234.최여명.HW1.txt
 B411001.강도연.HW1.txt   B511013.김경수.HW1.txt    B511177전혜정.txt         B535011.고병학.HW1.txt   B635057.김민정.HW1.txt   b711103.신승혜.HW1.txt
 B411056.김진수.HW1.txt   B511014.김기동.HW1.txt    B511195.조원준.HW1.txt    B535243.이혁수.HW1.txt   B635161.박정민.HW1.txt
 B411174.임현준.HW1.txt   B511098.손성용.HW1.txt    B511198.조일우.HW1.txt    B611010.곽호경.HW1.txt   B711216.홍한결.HW1.txt
```

Local repository를 생성하기 위해 'fork_pull_demo'라는 directory를 따로 생성하고,
그 안에 git clone 을 통하여, 방금전에 fork 했던 repository를 clone 하였다.

Clone 해온 내 local repository에
'B411001.강도연.HW2.txt' 라는 file을 만들고,
git status 를 통해 확인해 보았다.
그후
git add 를 통해 만든 file을 stage에 올려놓았다.

```
ubuntu@ip-172-31-46-150:~/fork_pull_demo$ vim B411001.강도연.HW2.txt
ubuntu@ip-172-31-46-150:~/fork_pull_demo$ git status
On branch master
Your branch is up to date with 'origin/master'.

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

        "B411001.\352\260\225\353\217\204\354\227\260.HW2.txt"

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

Command 'status' not found, did you mean:

  command 'statup' from snap statup (0.79.91)
  command 'states' from deb enscript
  command 'qstatus' from deb gridengine-client

See 'snap info <snapname>' for additional versions.

ubuntu@ip-172-31-46-150:~/fork_pull_demo$ 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)

        new file:   "B411001.\352\260\225\353\217\204\354\227\260.HW2.txt"
```

git commit 을 통해 flie을 commit 하였고,
git status 를 통해 잘 되었는지 확인해 보았다.

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

        new file:   "B411001.\352\260\225\353\217\204\354\227\260.HW2.txt"

ubuntu@ip-172-31-46-150:~/fork_pull_demo$ git commit -m 'fork_prac'
[master 2ffb994] fork_prac
 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, 6 insertions(+)
 create mode 100644 "B411001.\352\260\225\353\217\204\354\227\260.HW2.txt"
ubuntu@ip-172-31-46-150:~/fork_pull_demo$ 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
```

github, doyun0916/homework-1, remote repository에 git push command를 통해 push 하였다.

```
ubuntu@ip-172-31-46-150:~/fork_pull_demo$ git remote
origin
ubuntu@ip-172-31-46-150:~/fork_pull_demo$ 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), 312 bytes | 312.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/doyun0916/homework-1.git
   db7d09c..2ffb994  master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
ubuntu@ip-172-31-46-150:~/fork_pull_demo$
```

Github에 들어가서,
push가 잘 되었는지 확인하였다

doyun0916 / homework-1

forked from SWEDemo/homework-1

Code | Pull requests 0 | Actions | Projects 0 | Wiki | Security | Insights

Branch: master ▾ homework-1 / B411001.강도연.HW2.txt

Ubuntu fork_prac

0 contributors

6 lines (1 sloc) | 27 Bytes

```
1
2
3
4
5
6  B411001 강도연 HW2
```

```
B411001 강 도 연  HW2
~
~
~
~       ubuntu@ip-172-31-46-150:~/fork_pull_demo$ git commit -m 'fork_prac'
~
~
```

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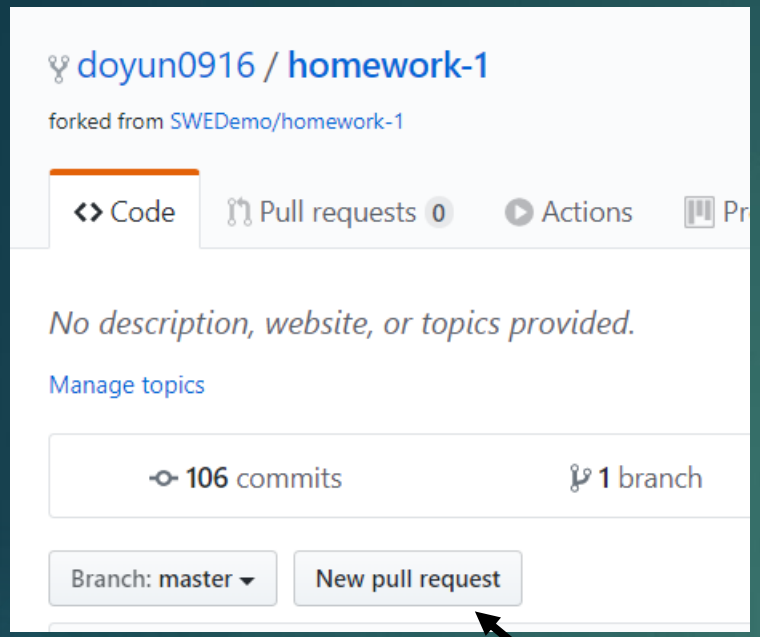
History for homework-1 / B411001.강도연.HW2.txt

Commits on Apr 2, 2020

fork_prac

Ubuntu committed 25 minutes ago

Newer Older



$ git pull-request

'git pull-request' command-line을 사용

GUI에서는 new pull request를 통해 진행

원래 주인의 repository에 contribute 하고싶어서
pull-request를 요청하려면,