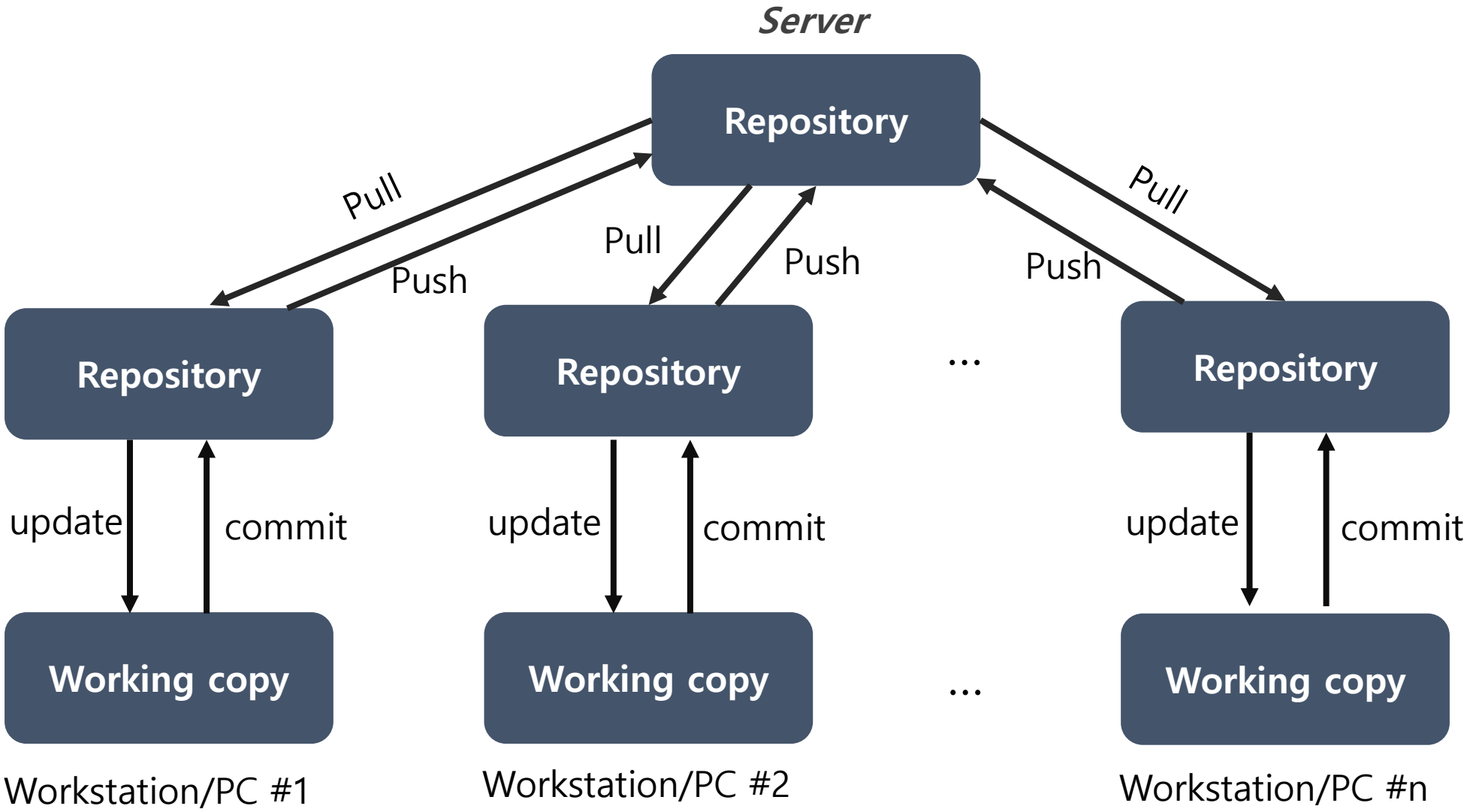
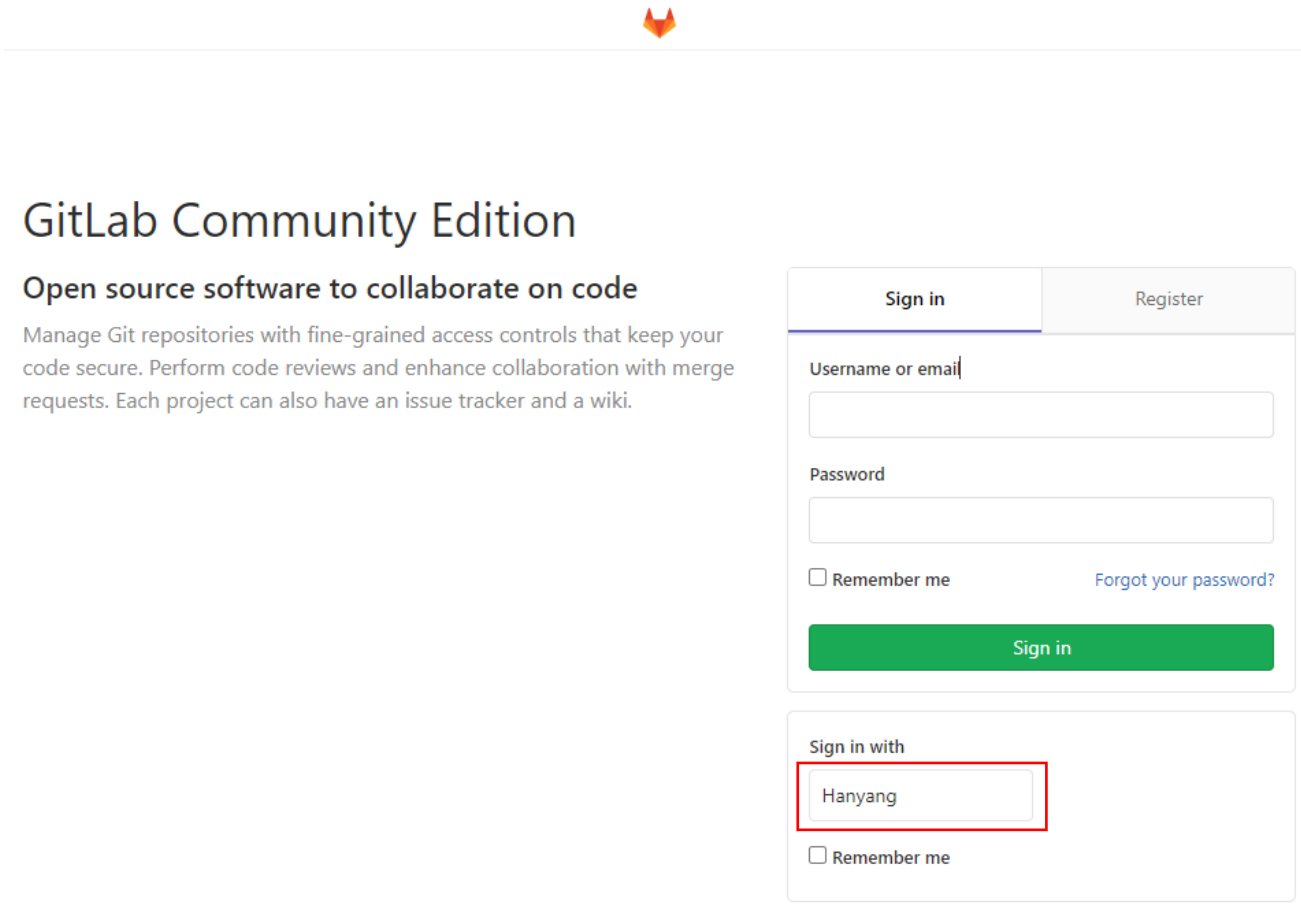
LAB1

What is Git


Server
Repository
Pull
Push
Pull
Push
Pull
Push
Repository
Repository
...
Repository
update
commit
update
commit
update
commit
Working copy
Working copy
...
Working copy
Workstation/PC #1
Workstation/PC #2
Workstation/PC #n

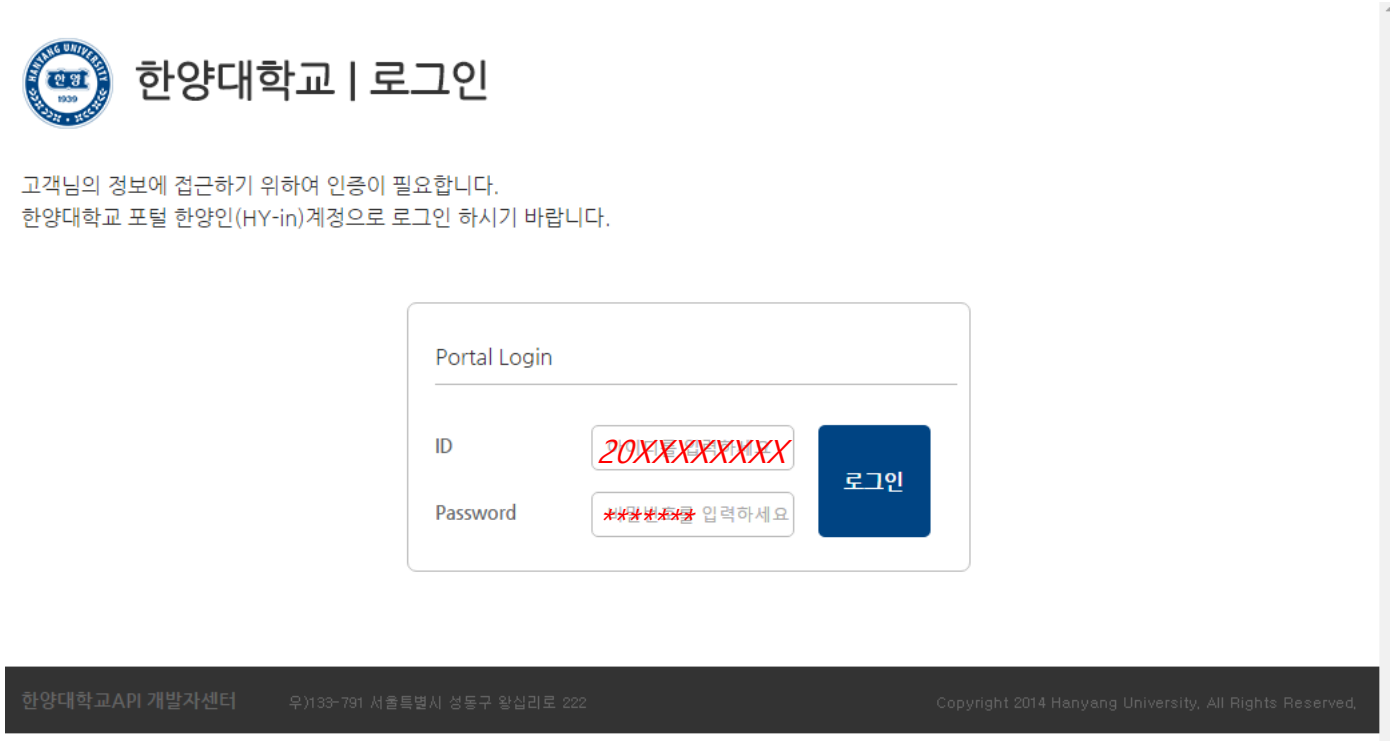
How to sign in GitLab

1. Go to http://hconnect.hanyang.ac.kr, and click [Sign in with Hanyang] button



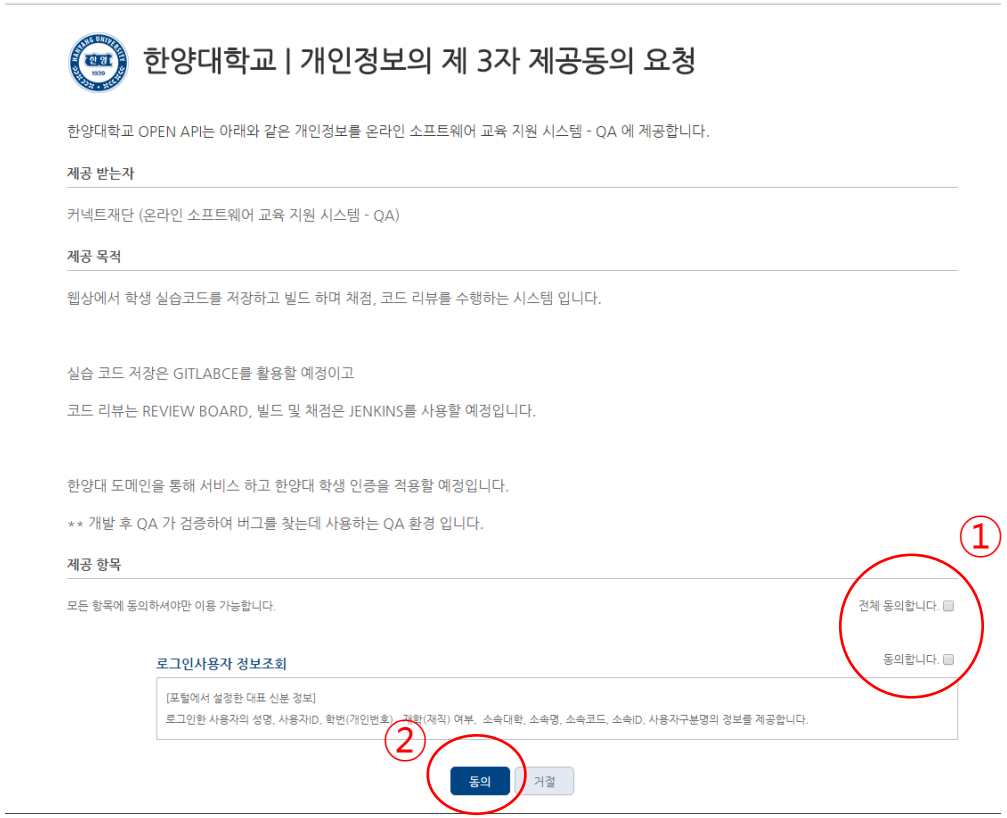
How to sign in GitLab

2. Login with Hanyang's account



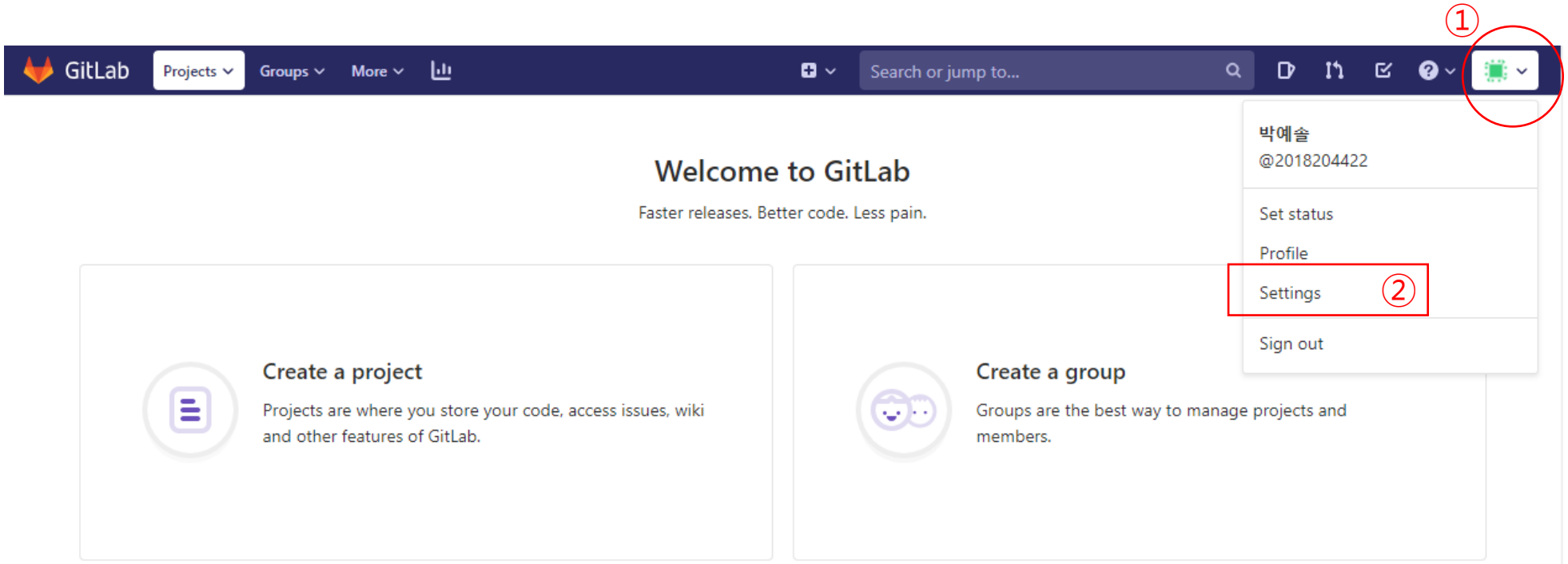
How to sign in GitLab

3. Check agreement



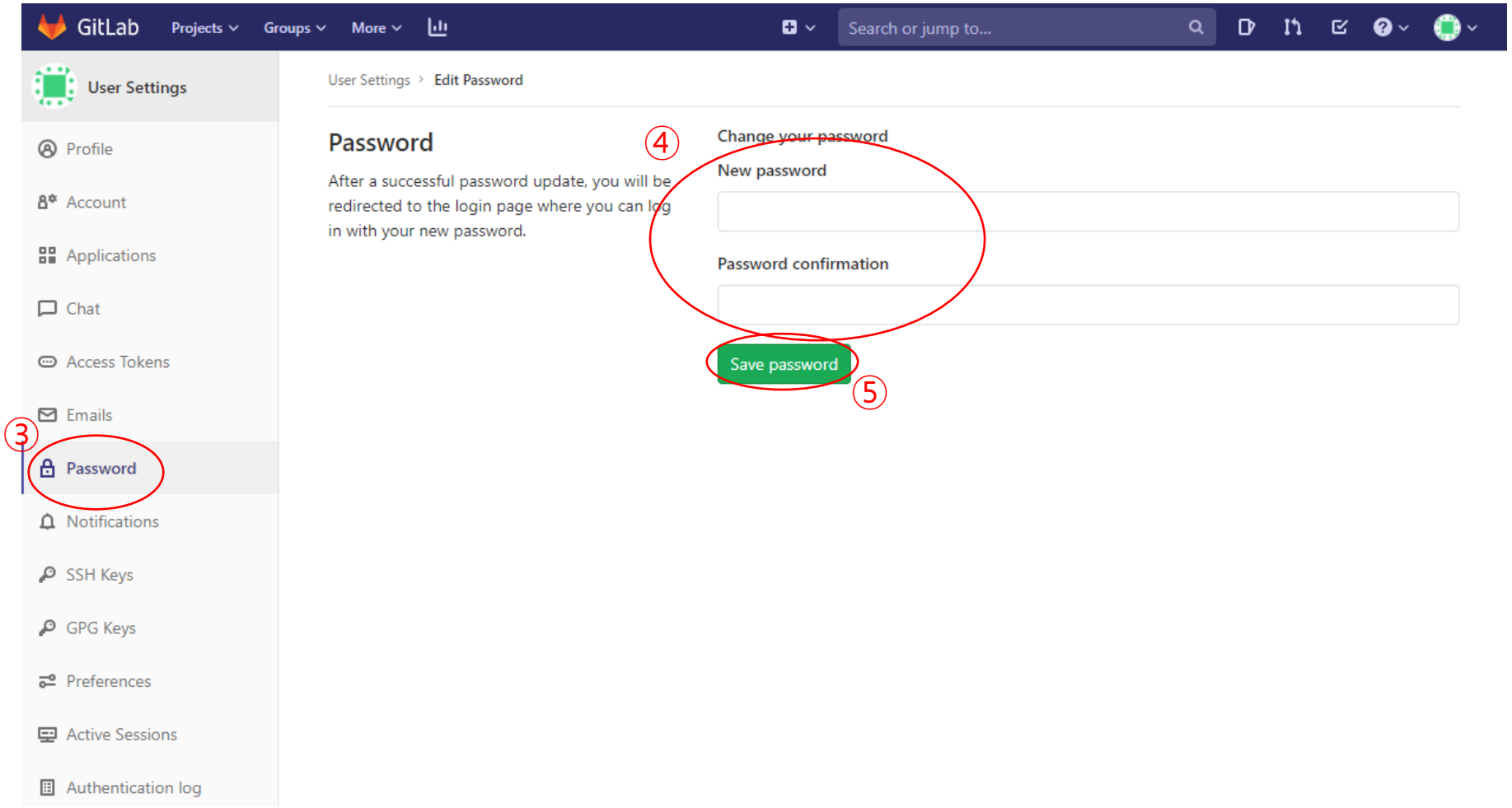
GitLab Initial Setting

1. Set password



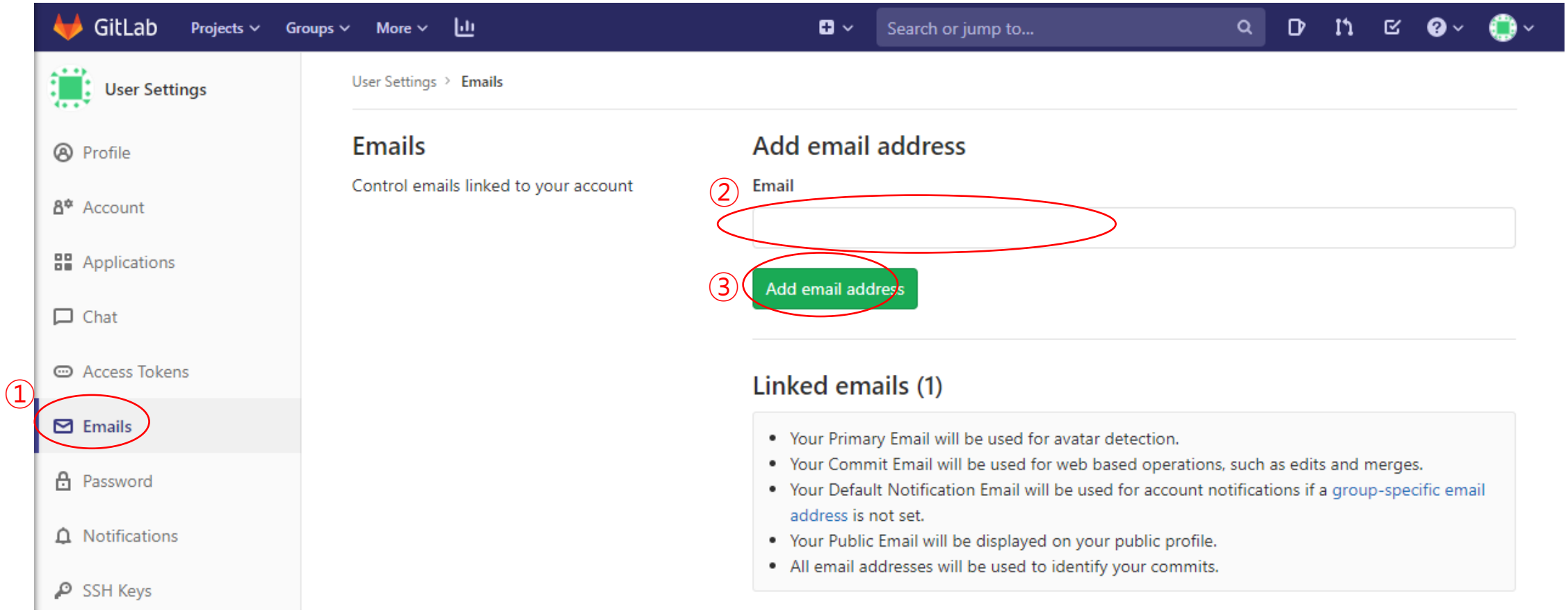
GitLab Initial Setting

1. Set password



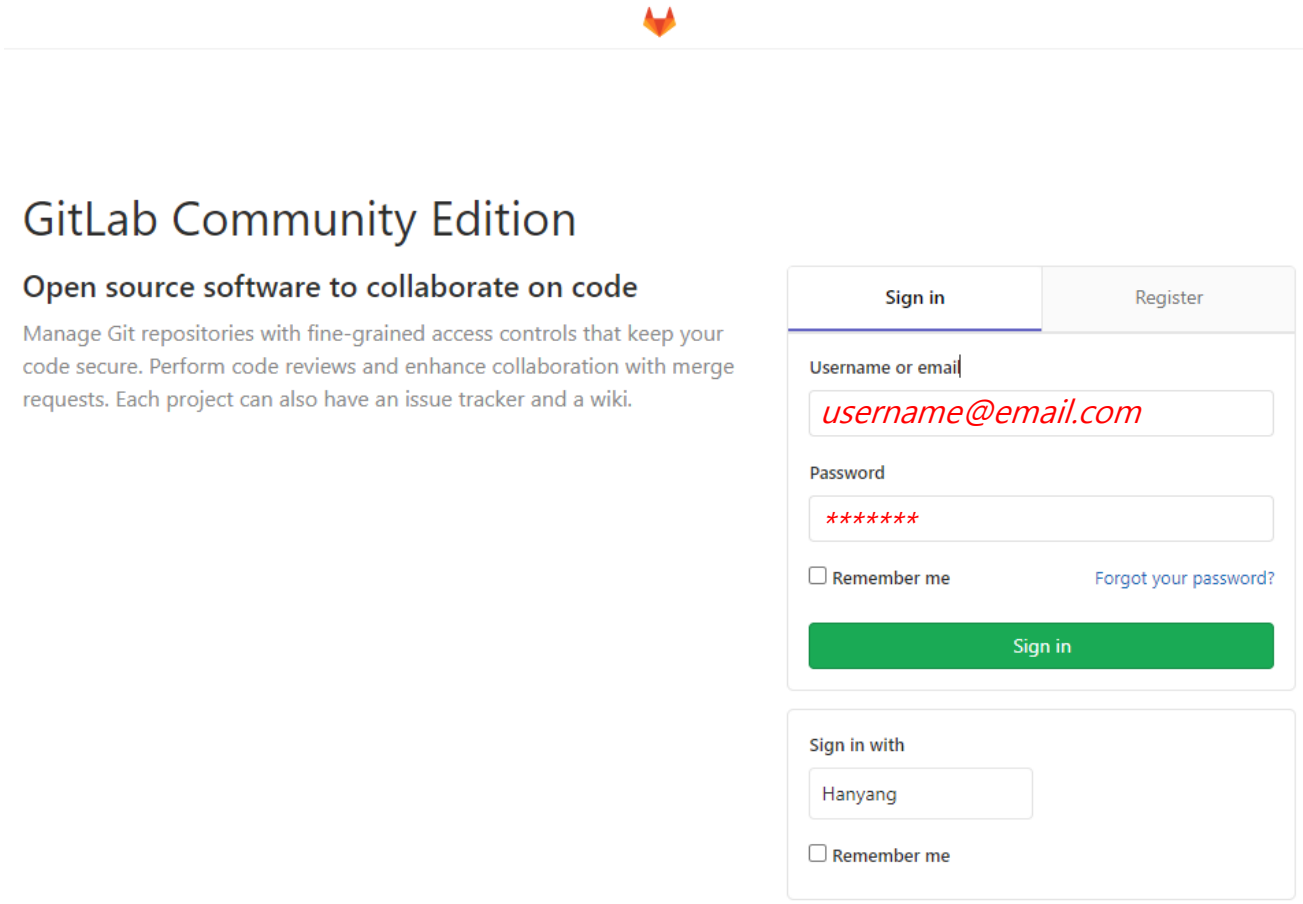
GitLab Initial Setting

2. Set Email



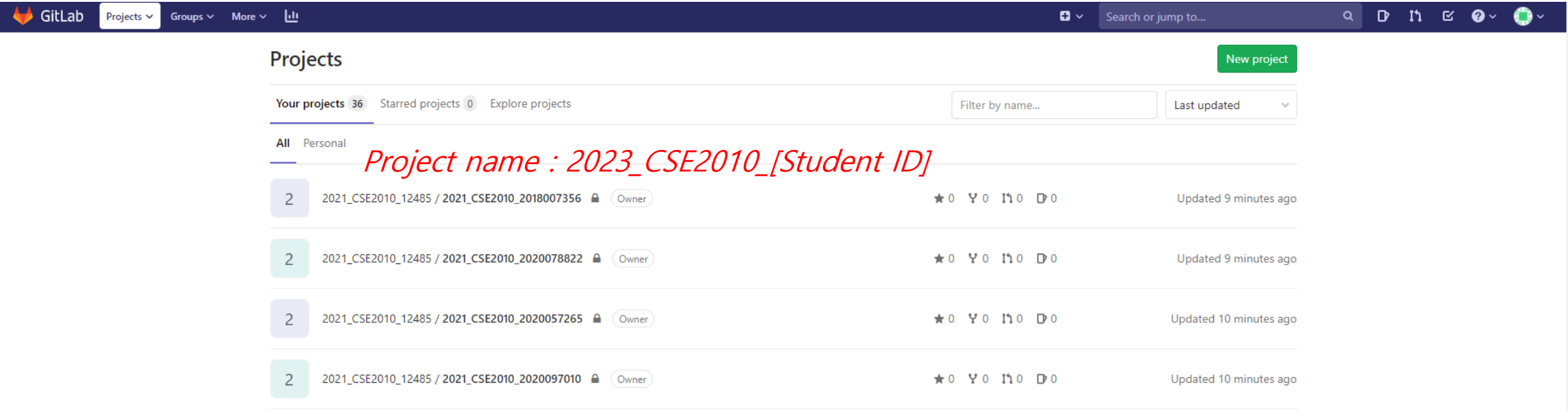
GitLab Initial Setting

3. Login



GitLab Initial Setting

4. Check if project exist



Download

- Oracle VM Virtual Box
- Ubuntu 20.04.3 LTS
- gcc 9.3.0
- git

Install Git(Linux)

Ubuntu $ sudo apt-get install git

Fedora $ sudo yum install git

Git Usage

1. Set user info

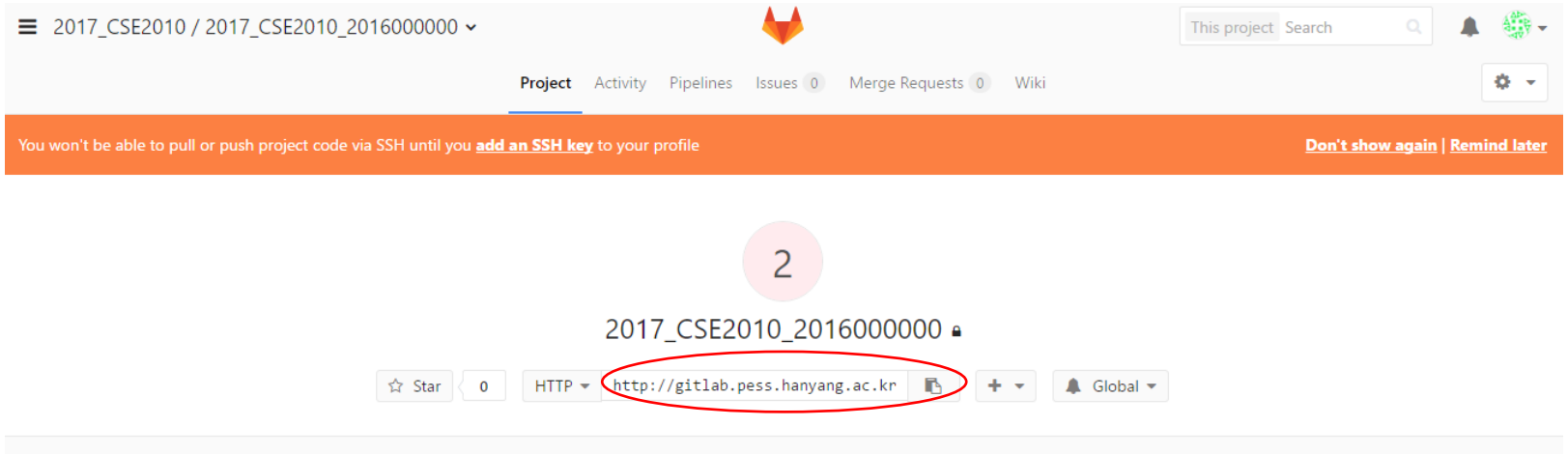
```
$ git config --global user.name “2000000000”
$ git config --global user.email “2000000000@hanyang.ac.kr”
```

Git Usage

2. Clone project

```
$ git clone http://hconnect.hanyang.ac.kr/2023_[Course no.]_20XXXXXXXX.git
```

You can check the address of your git at GitLab webpage. GitLab 사이트에서 주소 확인 가능



Git Usage

2. Clone project

And type your username and password

```
YSPARKui-MacBook-Air:~ YS$ git clone http://hconnect.hanyang.ac.kr/2017_CSE2010_
13058/2017_CSE2010_0000000000.git
Cloning into '2017_CSE2010_0000000000'...
Username for 'http://hconnect.hanyang.ac.kr': 2016101704
Password for 'http://2016101704@hconnect.hanyang.ac.kr':
warning: You appear to have cloned an empty repository.
```

Git Usage

3. Move to project directory

```
$ cd 2023_[Course no.]_20XXXXXXXX
```

```
YSPARKui-MacBook-Air:GitLab YS$ ls
2017_CSE2010_2016000000
YSPARKui-MacBook-Air:GitLab YS$ cd 2017_CSE2010_2016000000/
```

4. Create a directory

```
$ mkdir [directory name]
```

```
YSPARKui-MacBook-Air:2017_CSE2010_2016000000 YS$ mkdir Assignment0
YSPARKui-MacBook-Air:2017_CSE2010_2016000000 YS$ ls
Assignment0
```

Git Usage

5. Move to project directory

```
$ cd [directory name]
```

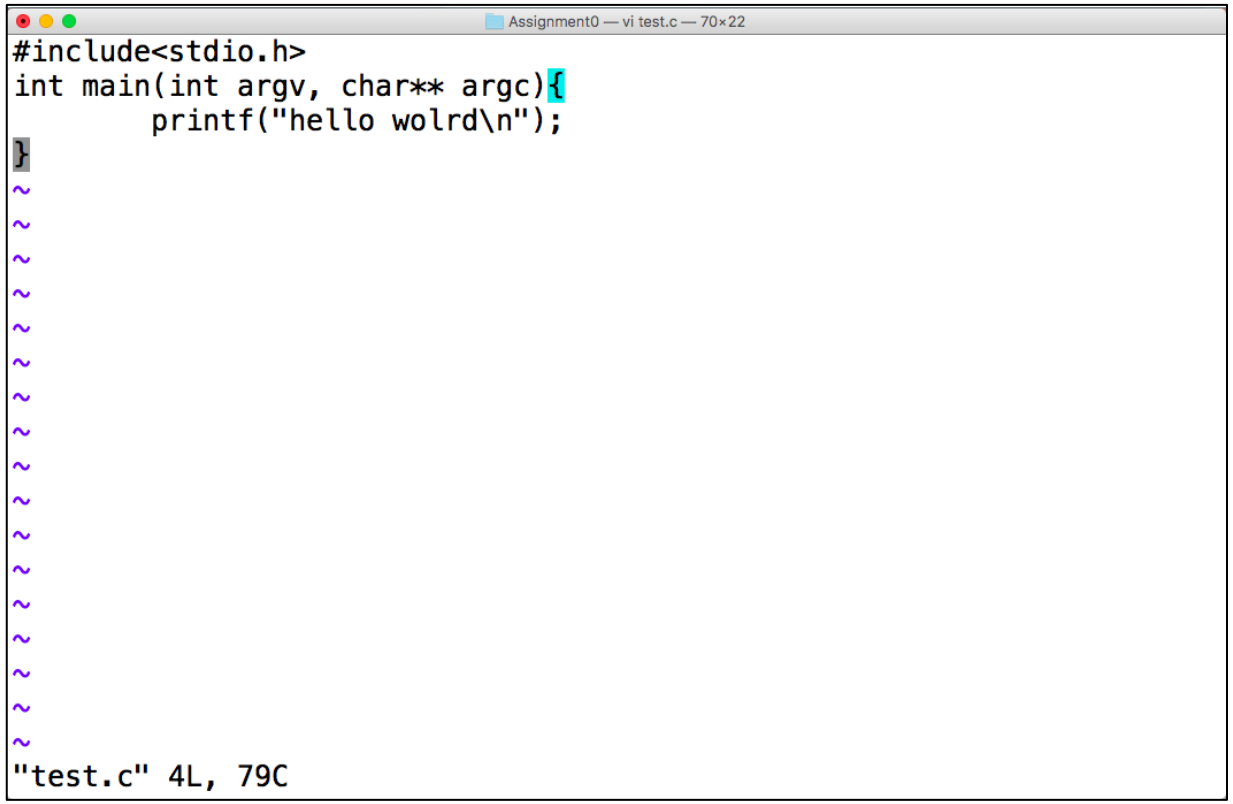
```
YSPARKui-MacBook-Air:2017_CSE2010_2016000000 YS$ cd Assignment0/
YSPARKui-MacBook-Air:Assignment0 YS$ ls
```

6-1. Create a file

```
$ vi [file name]
```

Git Usage

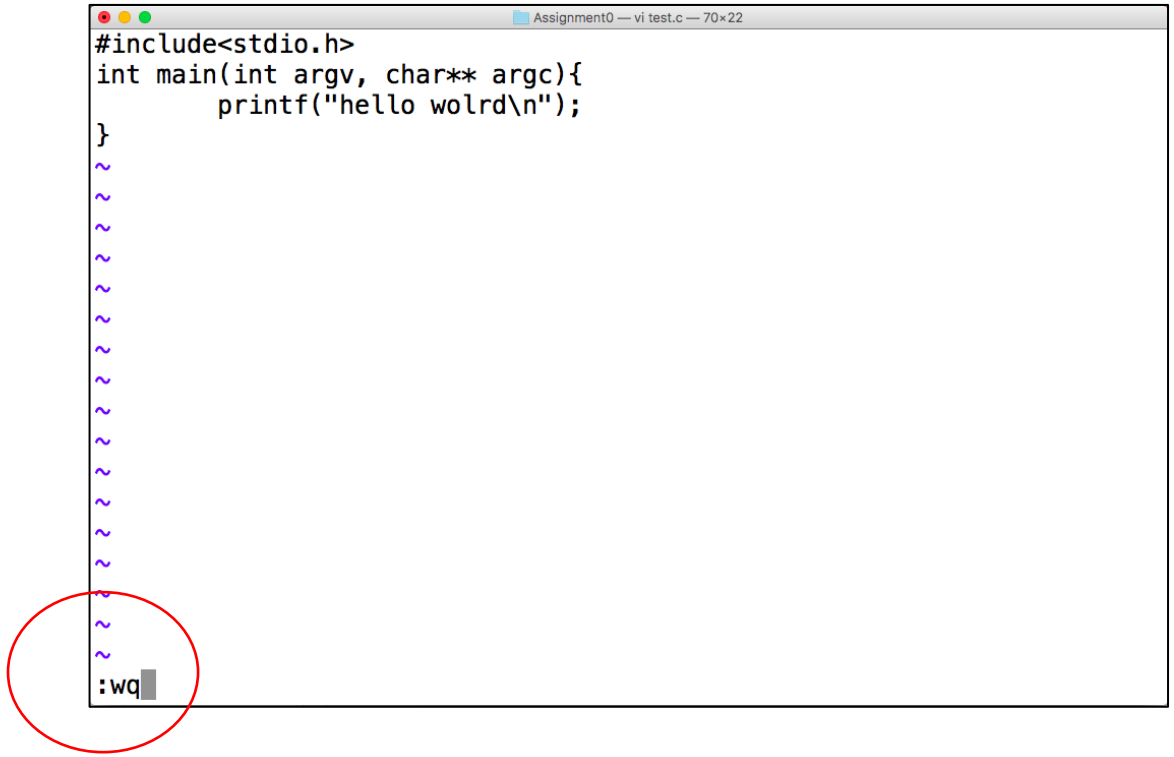
6-2. Type your code



Git Usage

6-3. Save the file

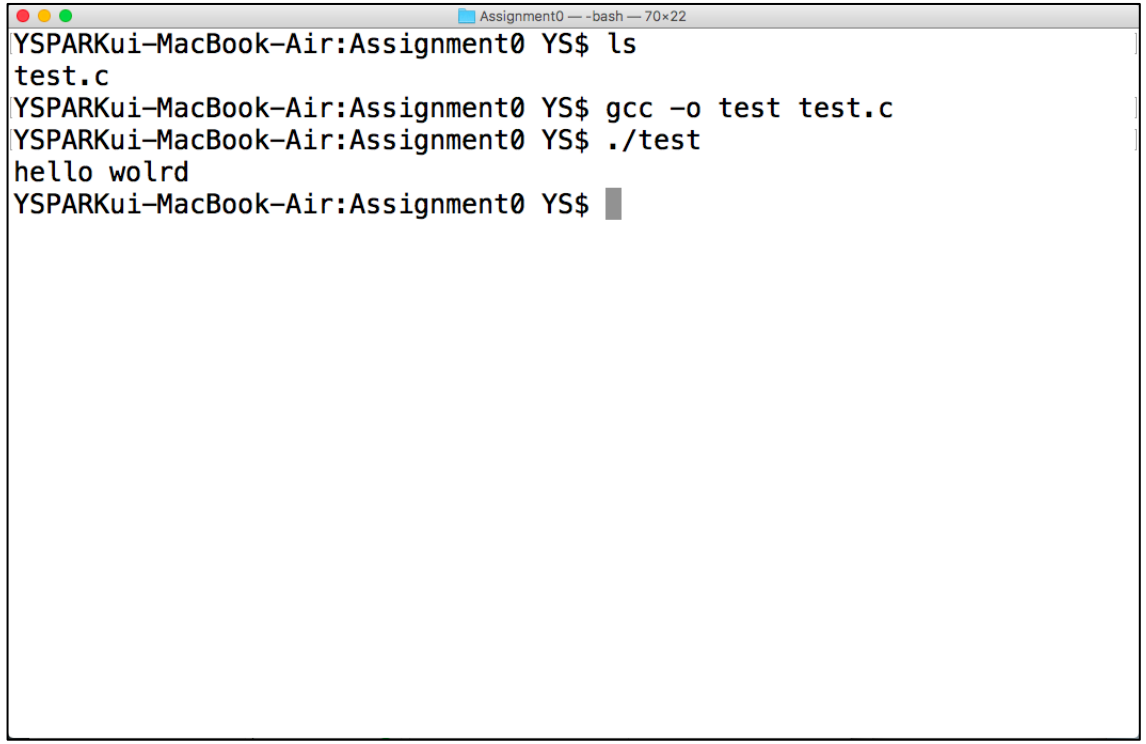
press [ESC] ► type ":wq"



Git Usage

6-4. Compile and execute

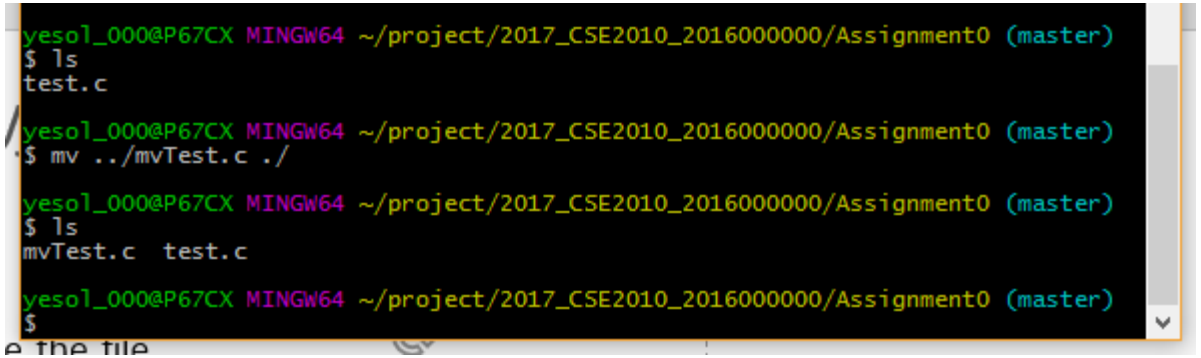
```
$ gcc –o [object file name] [code file name]
```



Git Usage

7. Move the file

```
$ mv [old location] [new location]
```



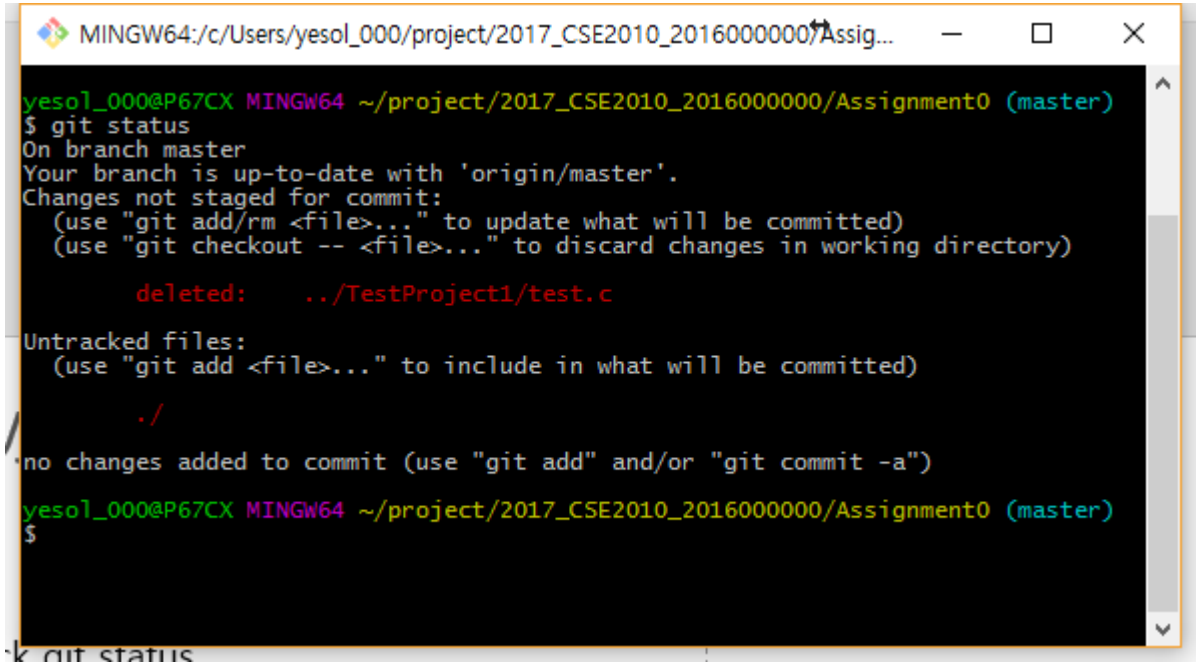
../ : Parent directory

./ : Current directory

Git Usage

8. Print the status of git

```
$ git status
```

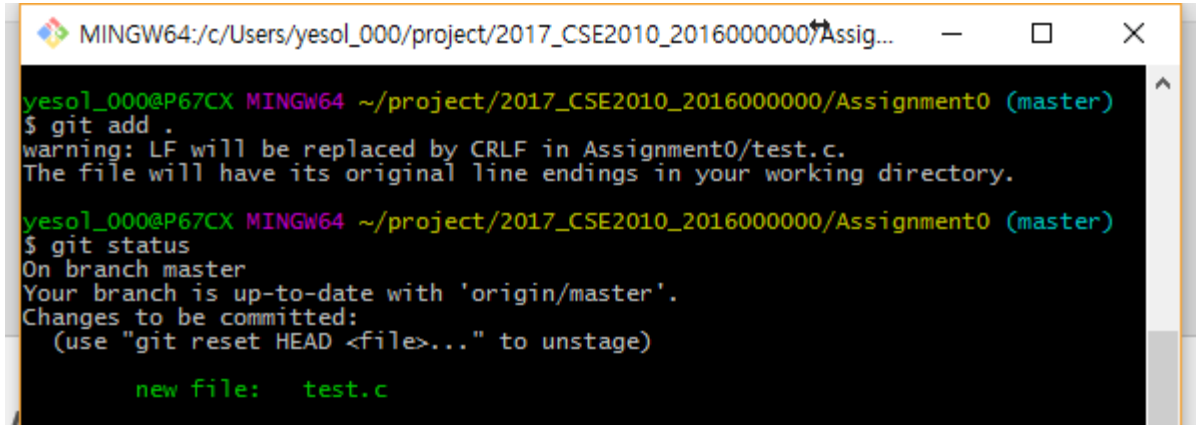


Git Usage

9. Add all files in the directory to git

```
$ git add .
```

```
$ git status
```

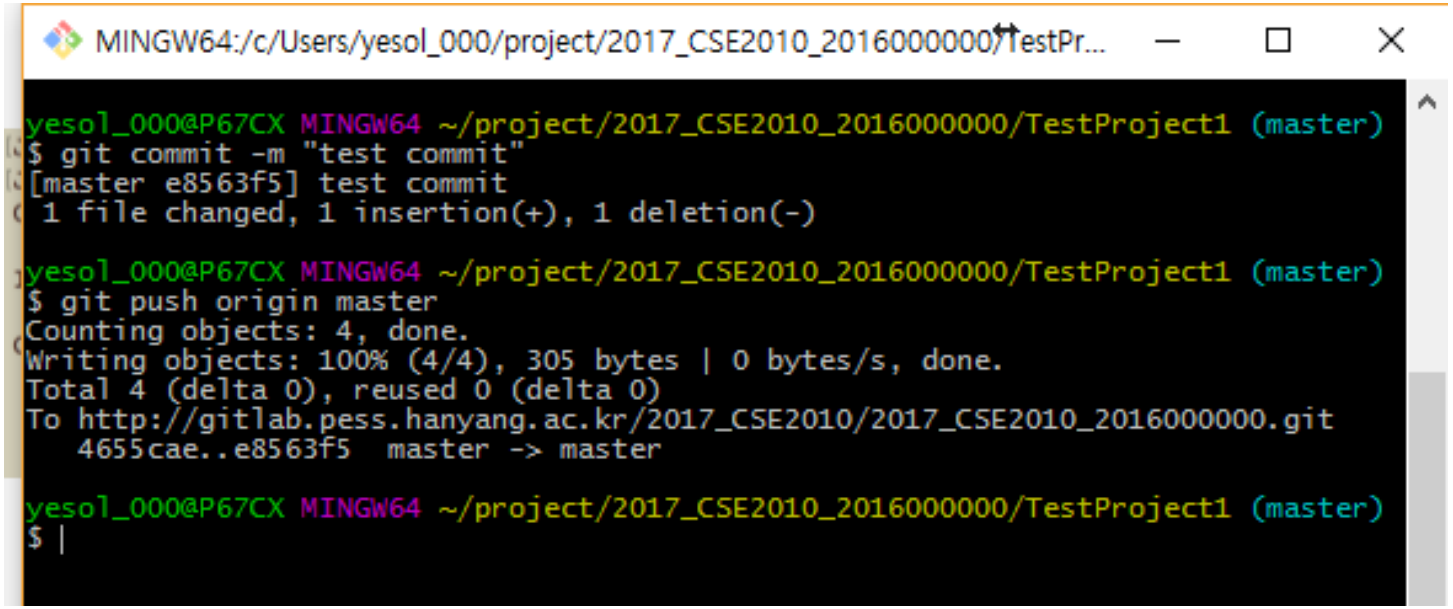


Git Usage

10. Commit file (Save to local repository 지역 저장소에 저장)

```
$ git commit –m “[commit log message]”
```

```
$ git push origin master
```



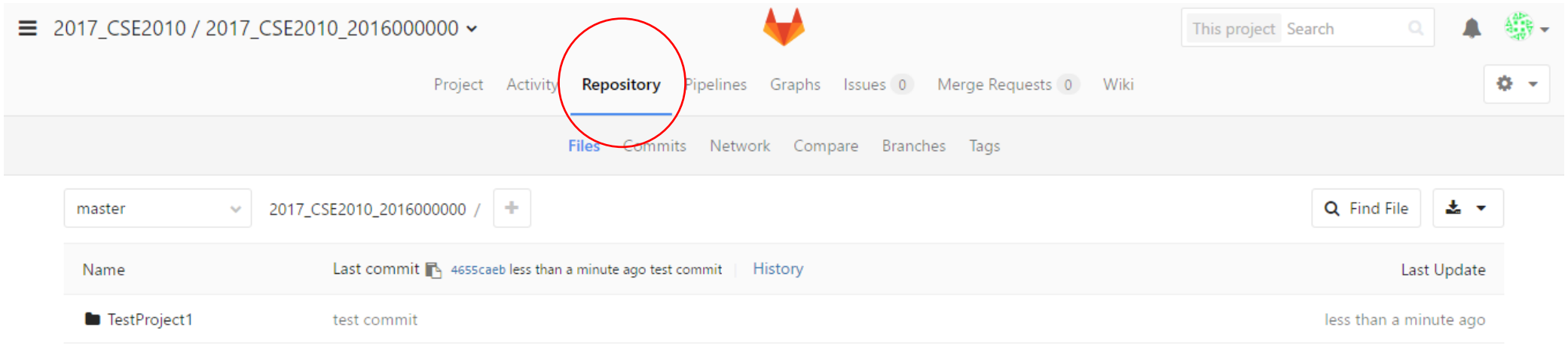
※ Commit log message should be write in detail

로그 메시지는 최대한 자세히 작성할 것.

ex) This is a program that prints a message “hello world”

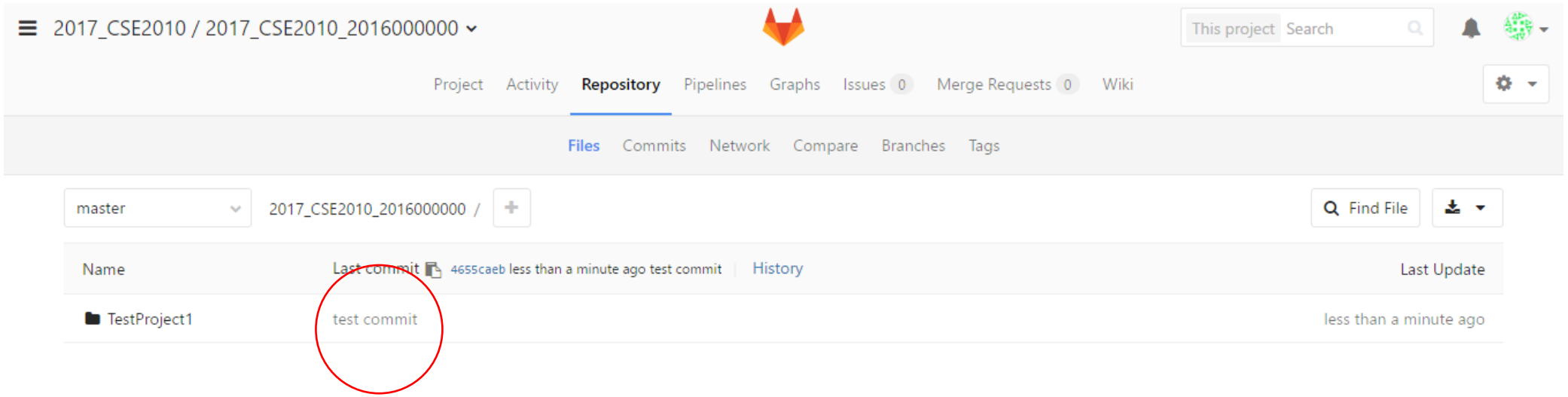
Git Usage

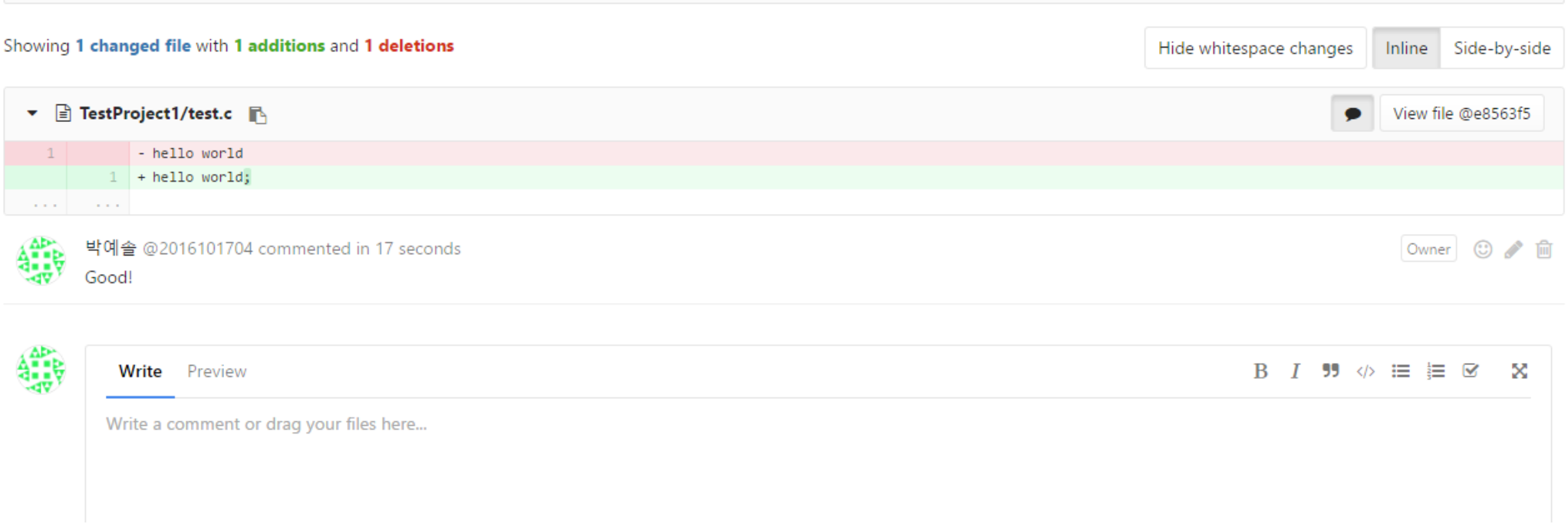
11. You can check the files pushed at GitLab.



Git Usage

12. Comment



Git Usage

12. Comment