

How to setup GitLab

Git

- From now, you should submit your lab assignment on GitLab.
- Deadline for submission is same.

Git

- Install Git (Linux)

Ubuntu

```
$ sudo apt-get install git
```



```
mrbin2002@ubuntu:~$ sudo apt-get install git
[sudo] password for mrbin2002:
Reading package lists... Done
Building dependency tree
Reading state information... Done
git is already the newest version.
0 upgraded, 0 newly installed, 0 to remove and 51 not upgraded.
mrbin2002@ubuntu:~$
```

Git

- Install Git (Window)
- Access to <https://gitforwindows.org/>



Git

- Set up Git user info

```
$ git config --global user.name "2007002245"
```

```
$ git config --global user.email "<your email address>"
```

(user.name is your student_ID

user.email is registered Email on GitLab)

Git

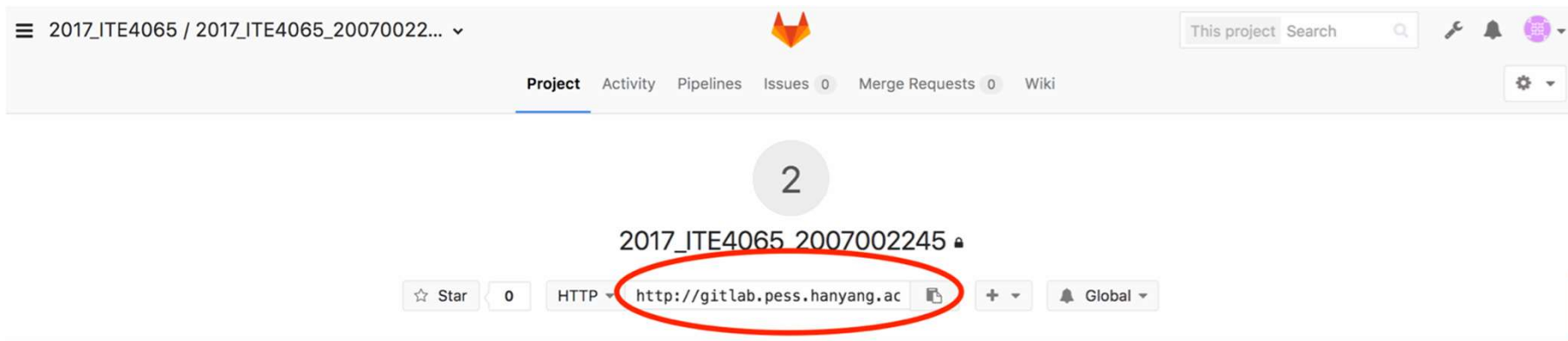
- Clone Git Repository

```
$ git clone https://hconnect.hanyang.ac.kr/<Year>\_<Course no.>\_<Class code>/<Year>\_<Course no.>\_<Student ID>.git
```

```
$ git clone https://hconnect.hanyang.ac.kr/<연도>\_<학수번호>\_<수업코드>/<년도>\_<학수번호>\_<학번>.git
```

```
예: $ git clone https://hconnect.hanyang.ac.kr/2020\_CSExxxx\_yyyy/2020\_CSExxxx\_2020123456.git
```

You can check your Git URL in GitLab project page



The screenshot shows a GitLab project page for a repository named '2017 ITE4065'. The URL 'http://gitlab.pess.hanyang.ac' is circled in red. The page includes navigation tabs for Project, Activity, Pipelines, Issues (0), Merge Requests (0), and Wiki. A search bar and notification icons are visible in the top right corner. The repository name '2017 ITE4065' and a user profile picture are also visible.

Git

- When you clone your project
- Username : StudentID
- Password : Password registered in GitLab(page 7)

```
TA — mrbin2002@ubuntu: ~ — -bash — 76x21
[Jongbin:TA mrbin2002$ git clone http://gitlab.pess.hanyang.ac.kr/2017_ITE4065/2017_ITE4065_2007002245.git
Cloning into '2017_ITE4065_2007002245'...
Username for 'http://gitlab.pess.hanyang.ac.kr': 2007002245
Password for 'http://2007002245@gitlab.pess.hanyang.ac.kr':
warning: You appear to have cloned an empty repository.
[Jongbin:TA mrbin2002$ ls
2017_ITE4065_2007002245
Jongbin:TA mrbin2002$ █
```

Git


- Move to Clone directory

```
$ cd <Year>_<Course no.>_<student ID>
```

```
$ cd <연도>_<학수번호>_<학번>
```

- Make test file

```
$ vi test.c
```



A screenshot of a terminal window. The title bar shows '2017_ITE4065_2007002245 — mrbin2002@ubuntu: ~ — vi test.c — 76x21'. The terminal content shows a text editor with the text '1 hello world' on the first line, followed by three tilde characters on subsequent lines.

Git

- When you check the current git status, “test.c” is displayed as untracked.

```
$ git status
```

```
Jongbin:2017_ITE4065_2007002245 mrbin2002$ git status
On branch master

Initial commit

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

       test.c

nothing added to commit but untracked files present (use "git add" to track)
Jongbin:2017_ITE4065_2007002245 mrbin2002$
```

Git

- Move all added/modified files in the current directory to Stage area
(It means that test.c file is managed by Git)

```
$ git add .
```

- Check git status

```
$ git status
```

```
[Jongbin:2017_ITE4065_2007002245 mrbin2002$ git add .  
[Jongbin:2017_ITE4065_2007002245 mrbin2002$ git status  
On branch master  
  
Initial commit  
  
Changes to be committed:  
  (use "git rm --cached <file>..." to unstage)  
  
    new file:   test.c
```

Git

- Commit added/modified files (Save on Local repository)

```
$ git commit -m "first commit"
```

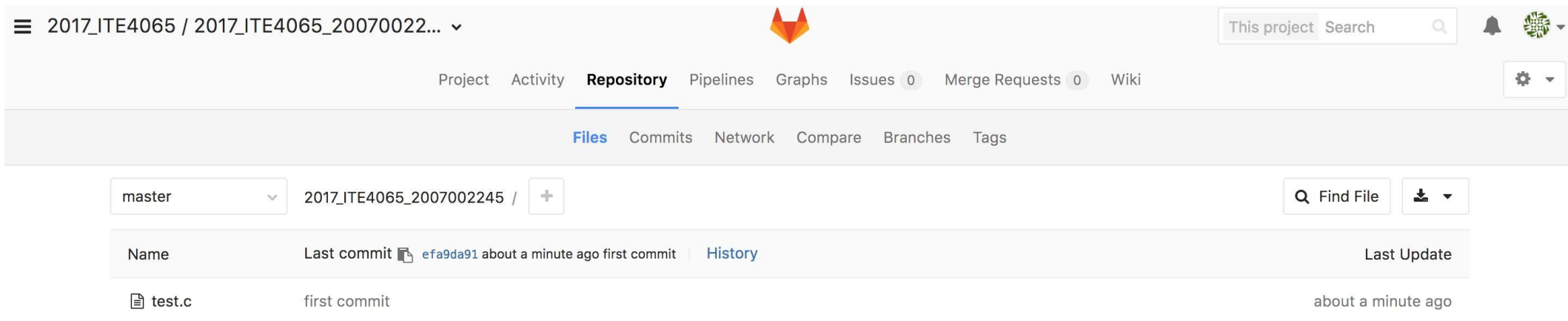
- Send Committed Content to Remote Repository

```
$ git push origin master
```

```
[Jongbin:2017_ITE4065_2007002245 mrbin2002$ git commit -m "first commit"  
[master (root-commit) efa9da9] first commit  
 1 file changed, 1 insertion(+)  
  create mode 100644 test.c  
[Jongbin:2017_ITE4065_2007002245 mrbin2002$ git push origin master  
Counting objects: 3, done.  
Writing objects: 100% (3/3), 224 bytes | 0 bytes/s, done.  
Total 3 (delta 0), reused 0 (delta 0)  
To http://gitlab.pess.hanyang.ac.kr/2017_ITE4065/2017_ITE4065_2007002245.git  
* [new branch]      master -> master
```

Git

- Files sent to the remote through the git push can be found on the GitLab web page.



The screenshot shows a GitLab repository page for a project named '2017_ITE4065 / 2017_ITE4065_20070022...'. The page is in the 'Repository' view, specifically the 'Files' tab. The current branch is 'master'. The file 'test.c' is listed with its last commit 'first commit' by user 'efa9da91' about a minute ago. The page includes navigation links for Project, Activity, Repository, Pipelines, Graphs, Issues (0), Merge Requests (0), and Wiki. There is also a search bar and a 'Find File' button.

Name	Last commit	Last Update
test.c	first commit efa9da91 about a minute ago	about a minute ago

Git

- Note that the submission time is determined not when the commit is made but when the **git push** is made.
- If you have any questions or problem about GitLab, please ask TA.