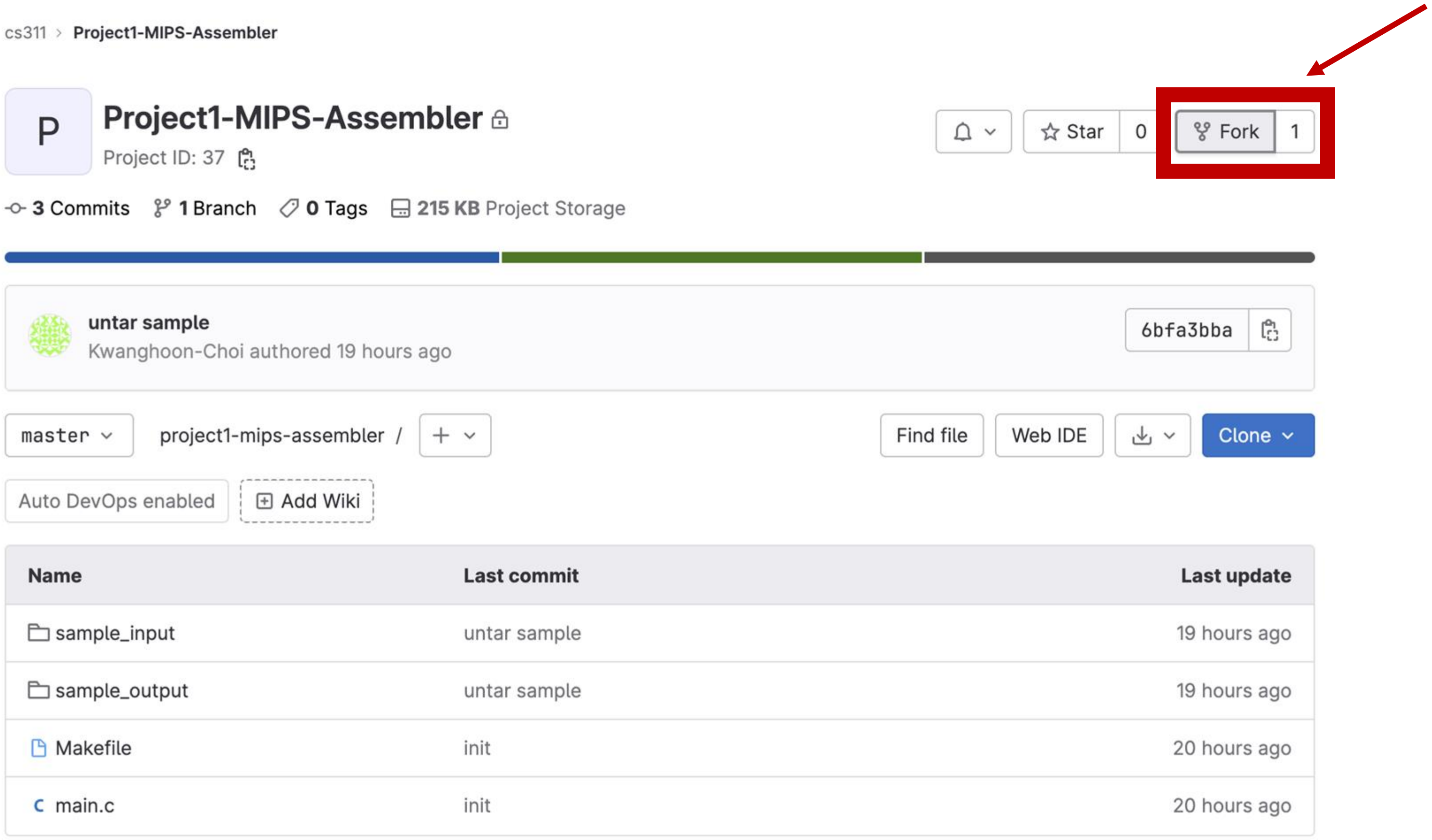
CS311 GitLab

- https://cs311.kaist.ac.kr
- Please sign in with your pre-assigned account
  - Username: st**[student id]**
  - Ex) st20201234
  - Password: **It will be released in grade section of KLMS.**
- If you have any questions, please contact us by **cs311_ta@casys.kaist.ac.kr**

Fork the deployed project to your repository (1)

- Do not click “Star”
  - If you do, other students can access your private code

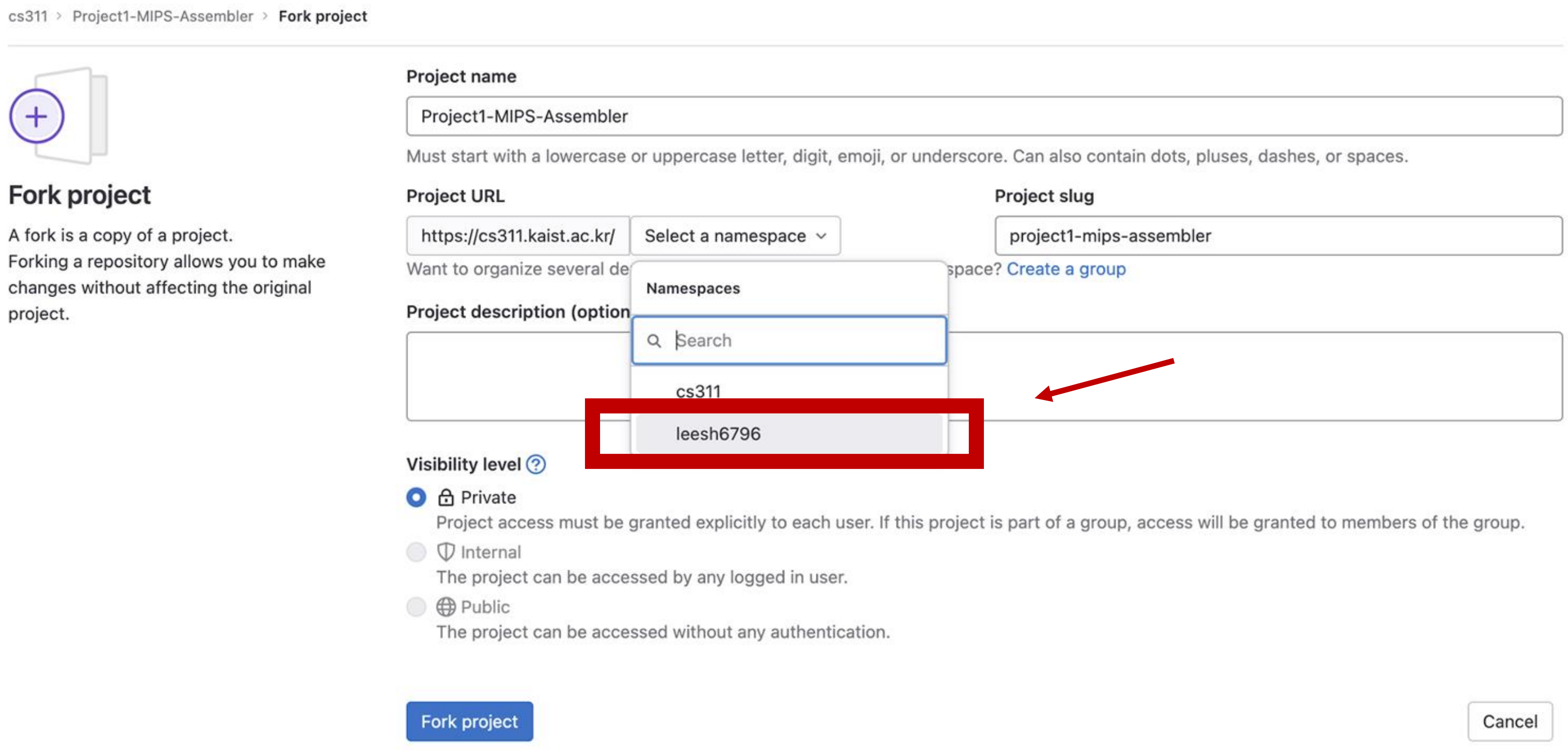


untar sample
Kwanghoon-Choi authored 19 hours ago
6bfa3bba

Name	Last commit	Last update
sample_input	untar sample	19 hours ago
sample_output	untar sample	19 hours ago
Makefile	init	20 hours ago
main.c	init	20 hours ago

Fork the deployed project to your repository (2)

- Set “Project URL” to your namespaces (username)
  - Not to change other forms



cs311 › Project1-MIPS-Assembler › **Fork project**

Fork project

A fork is a copy of a project.
Forking a repository allows you to make changes without affecting the original project.

Project name

Project1-MIPS-Assembler

Must start with a lowercase or uppercase letter, digit, emoji, or underscore. Can also contain dots, pluses, dashes, or spaces.

Project URL

https://cs311.kaist.ac.kr/ Select a namespace

Project slug

project1-mips-assembler

Want to organize several de… …space? Create a group

Project description (option…

Visibility level

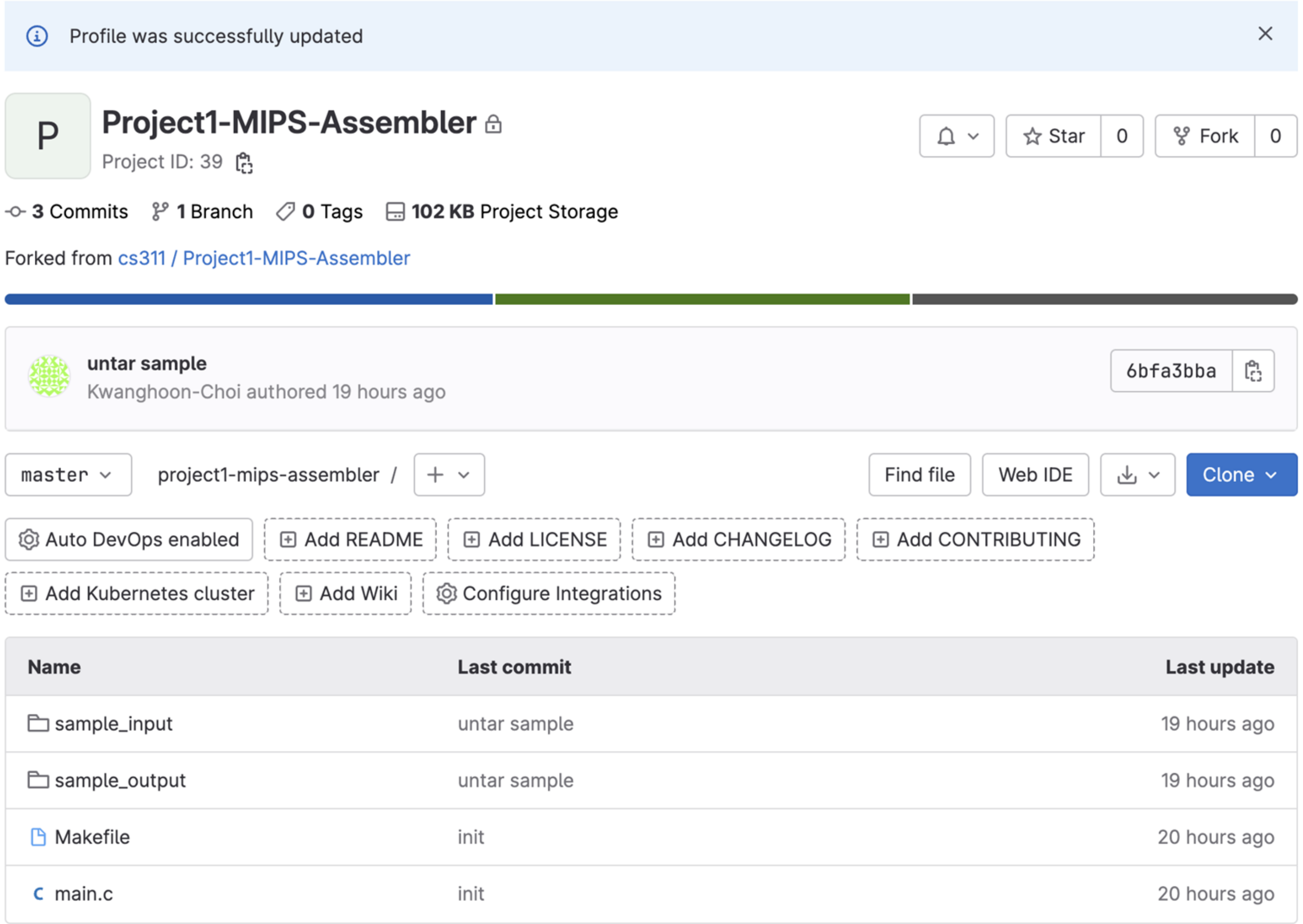
● Private
Project access must be granted explicitly to each user. If this project is part of a group, access will be granted to members of the group.

○ Internal
The project can be accessed by any logged in user.

○ Public
The project can be accessed without any authentication.

Fork the deployed project to your repository (3)

- If you can see below screen, you are success to fork



Profile was successfully updated

Project1-MIPS-Assembler

Project ID: 39

3 Commits 1 Branch 0 Tags 102 KB Project Storage

Forked from cs311 / Project1-MIPS-Assembler

untar sample

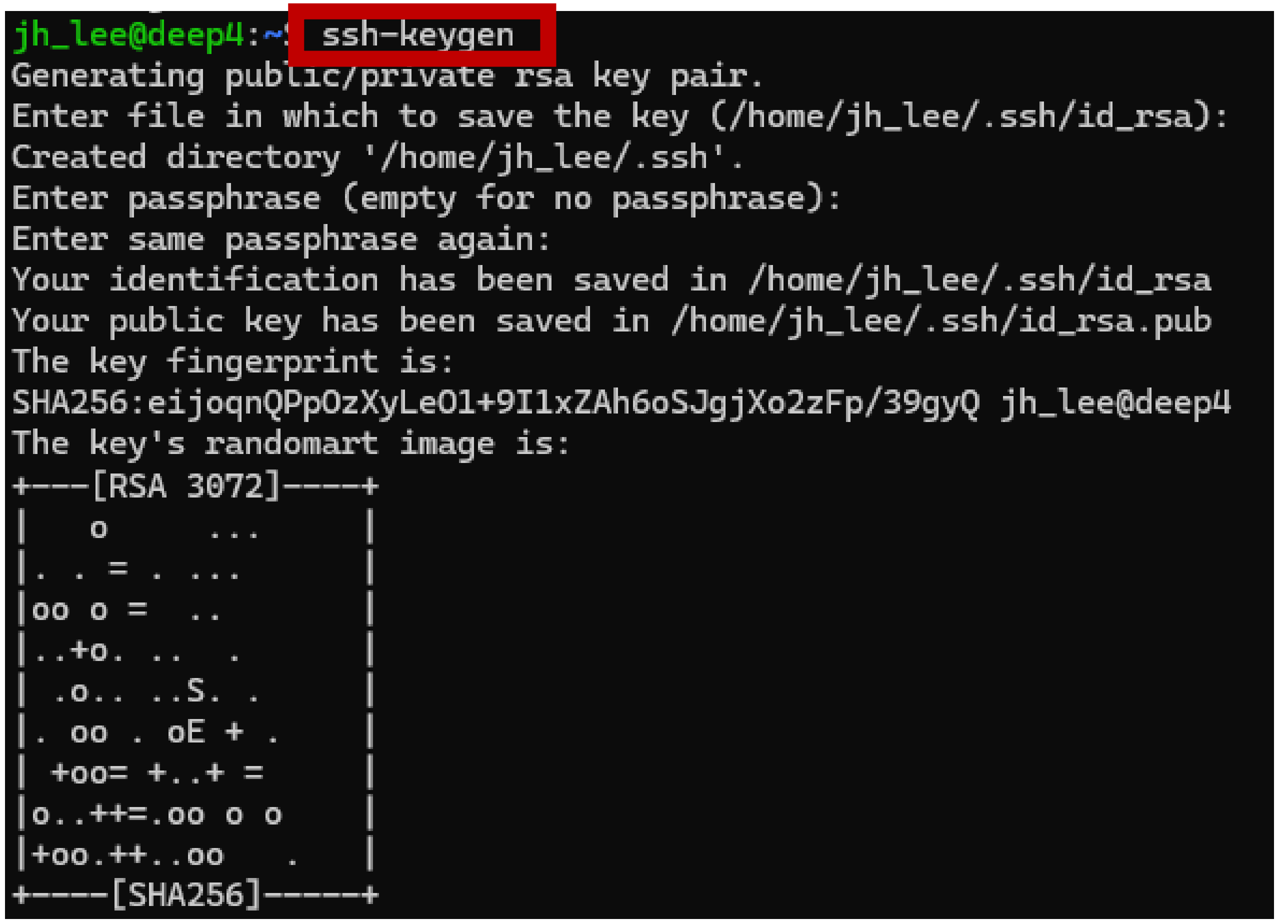
Kwanghoon-Choi authored 19 hours ago

6bfa3bba

Name	Last commit	Last update
sample_input	untar sample	19 hours ago
sample_output	untar sample	19 hours ago
Makefile	init	20 hours ago
main.c	init	20 hours ago

Generate and register public SSH key (1)

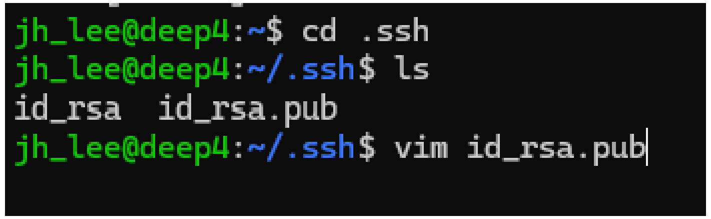
- Please generate the SSH key for gitlab server access.



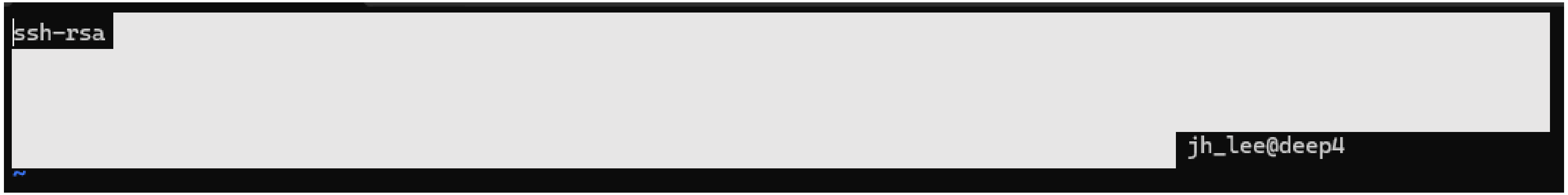
```
jh_lee@deep4:~$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/jh_lee/.ssh/id_rsa):
Created directory '/home/jh_lee/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/jh_lee/.ssh/id_rsa
Your public key has been saved in /home/jh_lee/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:eijoqnQPpOzXyLeO1+9I1xZAh6oSJgjXo2zFp/39gyQ jh_lee@deep4
The key's randomart image is:
+---[RSA 3072]----+
|   o     ...     |
|. . = . ...      |
|oo o =   ..      |
|..+o. ..  .      |
| .o.. ..S. .     |
|. oo . oE + .    |
| +oo= +..+ =     |
|o..++=.oo o o    |
|+oo.++..oo   .   |
+----[SHA256]-----+
```

Generate and register public SSH key (2)

- Move to .ssh directory and check the content of id_xxx.**pub** file.
- Please **copy the entire content** including the *user@server_name* part.
- Press Esc + “:q” to quit vim.



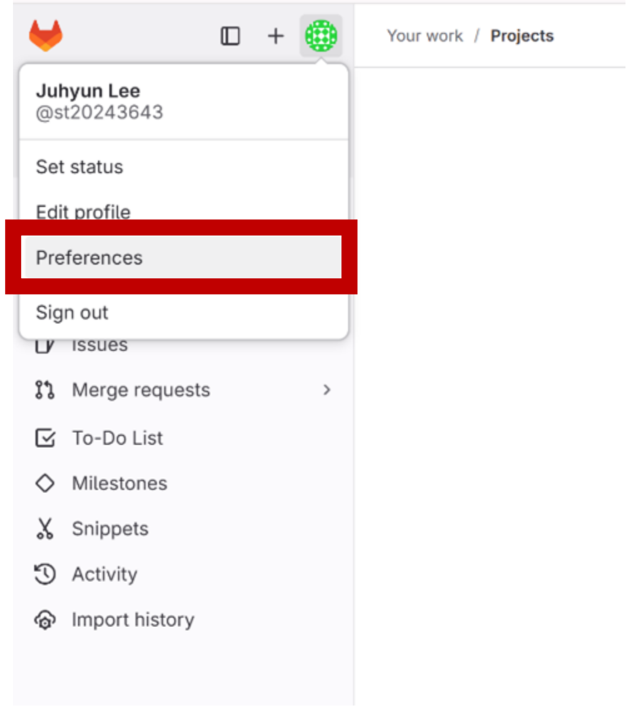
```
jh_lee@deep4:~$ cd .ssh
jh_lee@deep4:~/.ssh$ ls
id_rsa  id_rsa.pub
jh_lee@deep4:~/.ssh$ vim id_rsa.pub
```

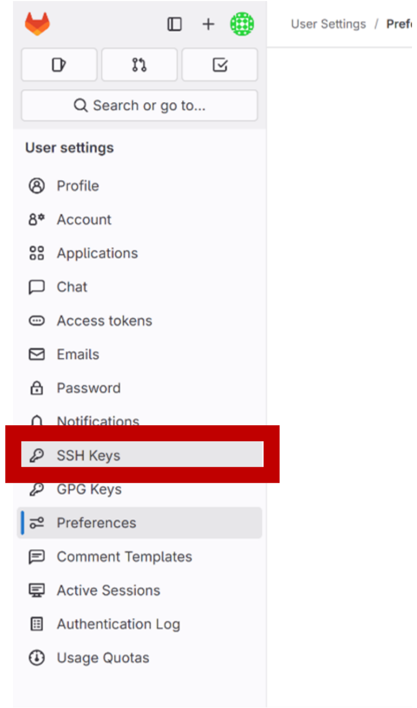


```
ssh-rsa [redacted] jh_lee@deep4
~
```

Generate and register public SSH key (3)

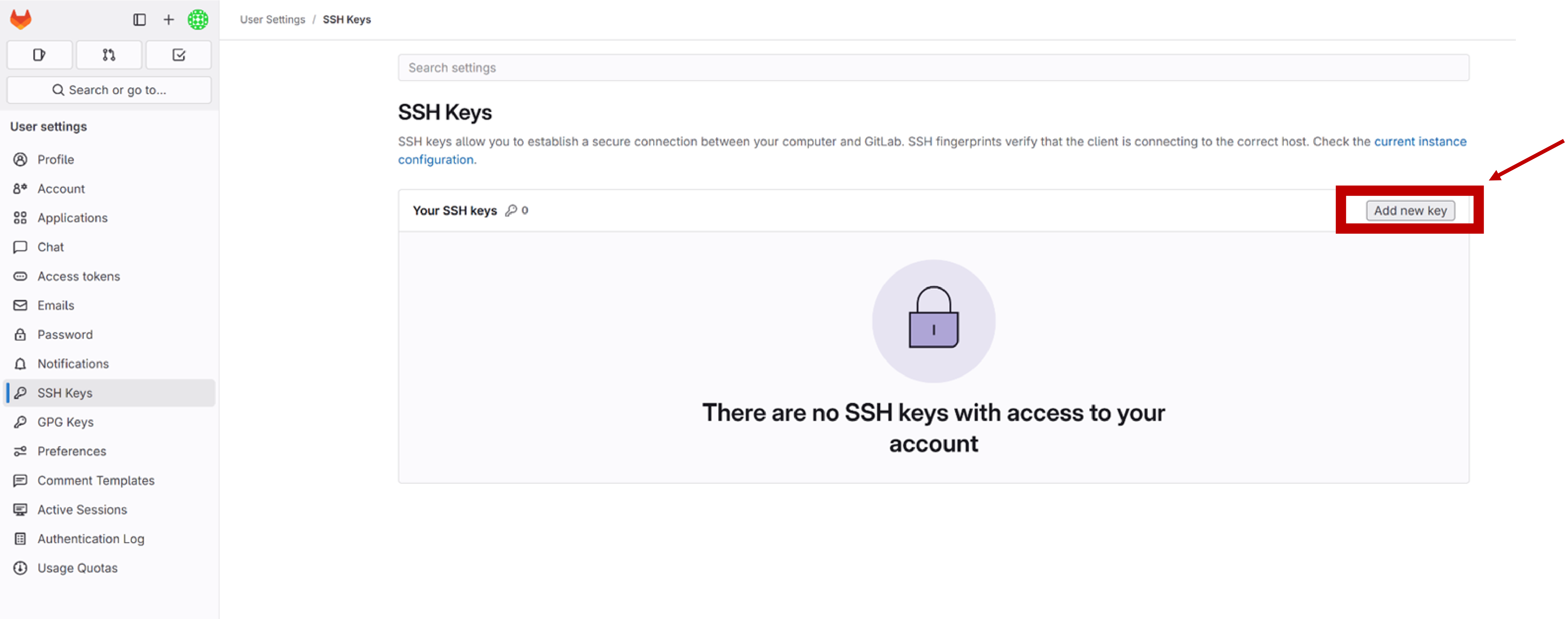
- Click “Preferences” and then “SSH Keys”





Generate and register public SSH key (4)

- Click “Add new key”



SSH Keys

SSH keys allow you to establish a secure connection between your computer and GitLab. SSH fingerprints verify that the client is connecting to the correct host. Check the current instance configuration.

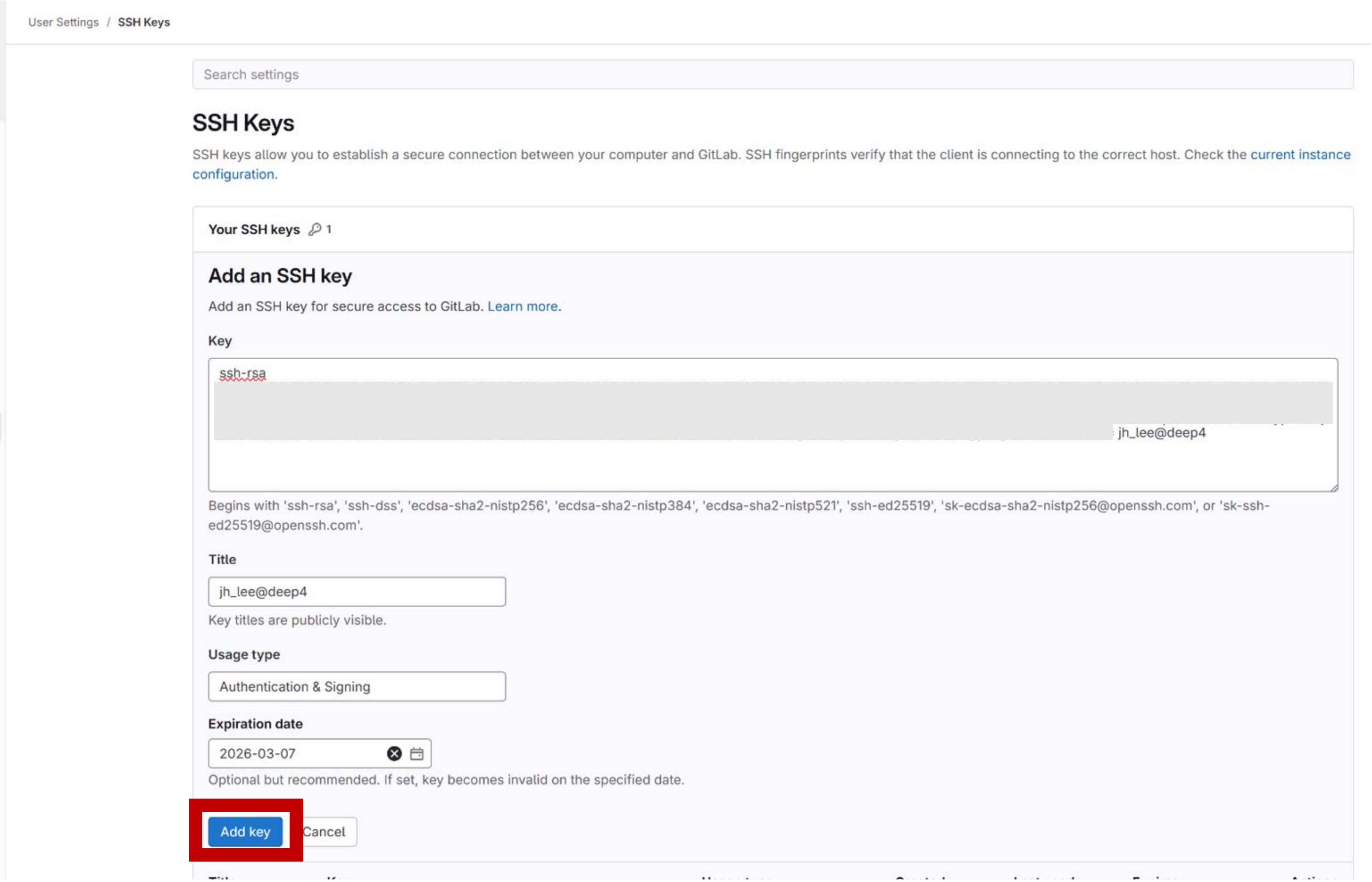
Your SSH keys 0

Add new key

There are no SSH keys with access to your account

Generate and register public SSH key (4)

- Paste the public ssh key and click “Add key”.



User Settings / SSH Keys

Search settings

SSH Keys

SSH keys allow you to establish a secure connection between your computer and GitLab. SSH fingerprints verify that the client is connecting to the correct host. Check the current instance configuration.

Your SSH keys 1

Add an SSH key

Add an SSH key for secure access to GitLab. Learn more.

Key

```
ssh-rsa
[redacted] jh_lee@deep4
```

Begins with 'ssh-rsa', 'ssh-dss', 'ecdsa-sha2-nistp256', 'ecdsa-sha2-nistp384', 'ecdsa-sha2-nistp521', 'ssh-ed25519', 'sk-ecdsa-sha2-nistp256@openssh.com', or 'sk-ssh-ed25519@openssh.com'.

Title: jh_lee@deep4

Key titles are publicly visible.

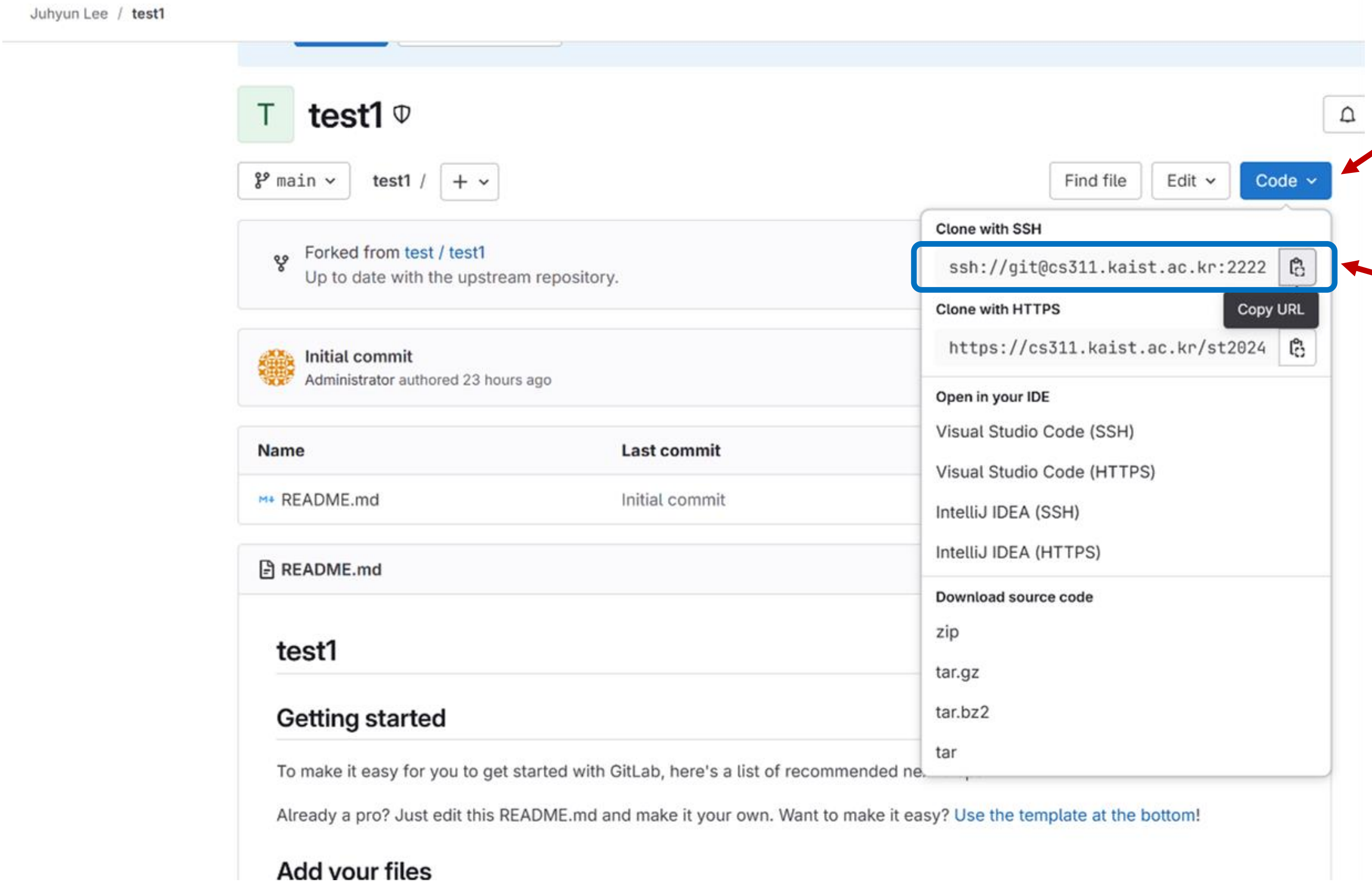
Usage type: Authentication & Signing

Expiration date: 2026-03-07

Optional but recommended. If set, key becomes invalid on the specified date.

Clone the deployed project (1)

- Please clone the project that you forked with **SSH** (do not use HTTPS)



```
ssh://git@cs311.kaist.ac.kr:2222
https://cs311.kaist.ac.kr/st2024
```

test1

Getting started

To make it easy for you to get started with GitLab, here's a list of recommended ne

Already a pro? Just edit this README.md and make it your own. Want to make it easy? Use the template at the bottom!

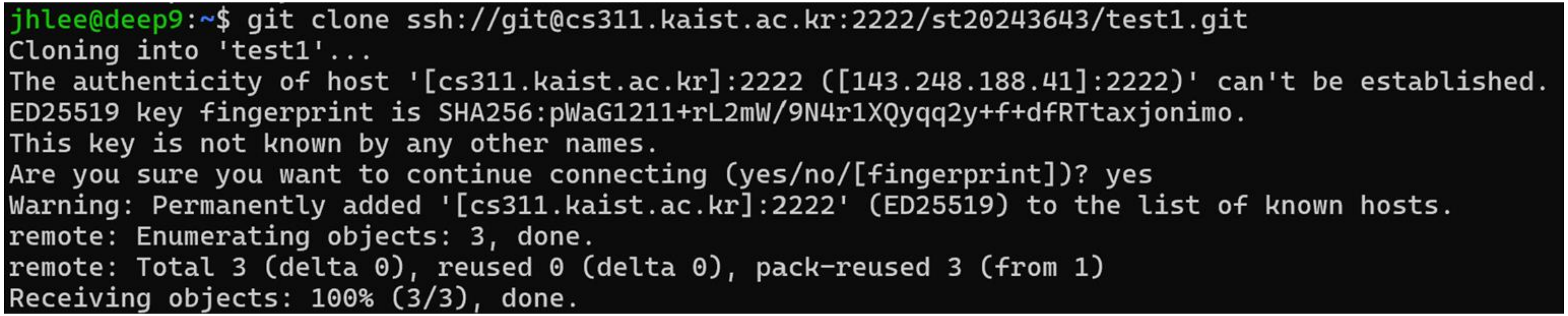
Add your files

1. Click here first

2. Copy SSH clone URL

Clone the deployed project (2)

- Please clone the project that you forked with **SSH** (do not use HTTPS)



```
jhlee@deep9:~$ git clone ssh://git@cs311.kaist.ac.kr:2222/st20243643/test1.git
Cloning into 'test1'...
The authenticity of host '[cs311.kaist.ac.kr]:2222 ([143.248.188.41]:2222)' can't be established.
ED25519 key fingerprint is SHA256:pWaG1211+rL2mW/9N4r1XQyqq2y+f+dfRTtaxjonimo.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '[cs311.kaist.ac.kr]:2222' (ED25519) to the list of known hosts.
remote: Enumerating objects: 3, done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 3 (from 1)
Receiving objects: 100% (3/3), done.
```

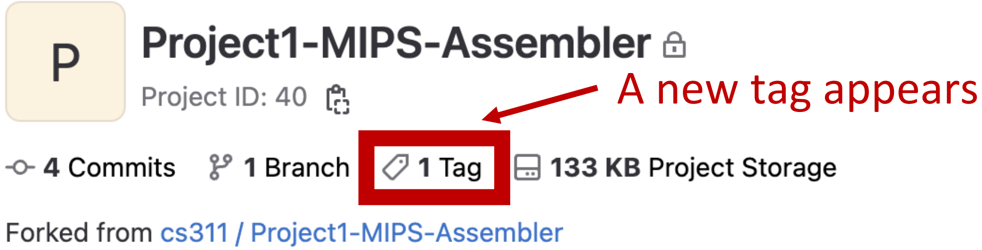
Submit (1)

- Submit your work to your private GitLab repository by adding a “submit” tag.
- Please follow the steps below when submitting.

1. Commit and push your **code** and **Makefile** to your remote repository.
2. Type the following command in your working directory.
    - git tag –a submit –m “whatever message you want”
    - git push origin submit

Submit (2)

- If you success submitting with tags, you can see below screen



P

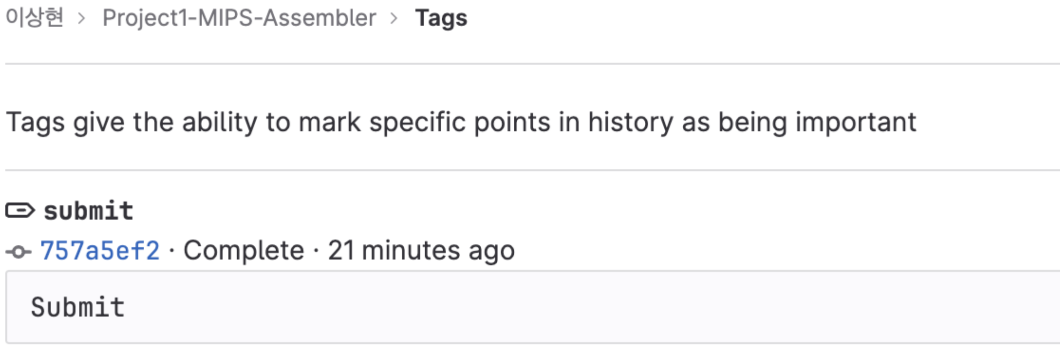
Project1-MIPS-Assembler

Project ID: 40

4 Commits 1 Branch 1 Tag 133 KB Project Storage

Forked from cs311 / Project1-MIPS-Assembler

A new tag appears



이상현 › Project1-MIPS-Assembler › Tags

Tags give the ability to mark specific points in history as being important

submit

757a5ef2 · Complete · 21 minutes ago

```
Submit
```

Delete the submit tag and resubmit

- If you have modified the code after submission or submitted it incorrectly, you need to delete the tag and create it again.
- Type the following command in your working directory to delete tag.
  - git tag -d submit
  - git push origin main :submit
- Submit your code and Makefile with tag again.