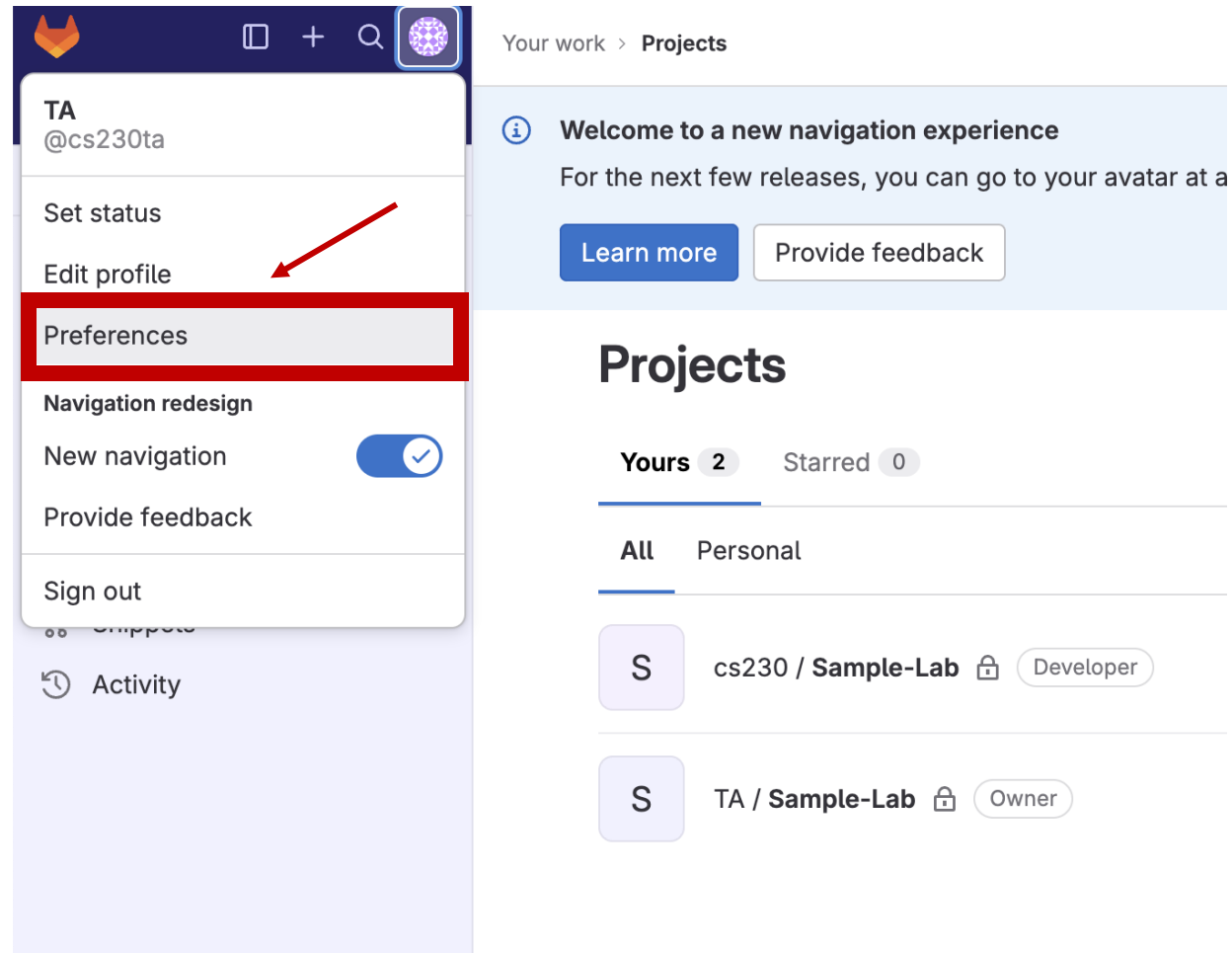


CS20300 GitLab

- <https://cs20300.kaist.ac.kr>
- Please sign in with your pre-assigned account
 - Username: **st[student id]** (Ex. st20251234)
 - Initial Password: Same as your initial server password
- If you have any questions, please contact us by cs20300_ta@casys.kaist.ac.kr

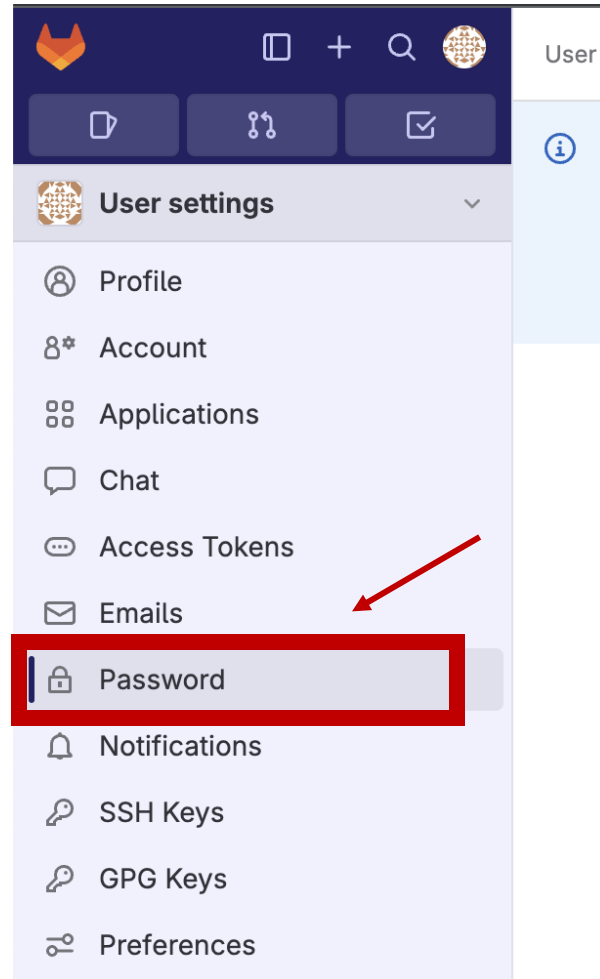
Change your password in GitLab (1)

- Select “Preferences” in home screen



Change your password in GitLab (2)

- Select “Password” in left side-bar



Change your password in GitLab (3)

- Please save your new password
 - If you forget your password, please contact us by email (**cs20300_ta@casys.kaist.ac.kr**)

User Settings > Edit Password

Q Search page

Password

After a successful password update, you will be redirected to the login page where you can log in with your new password.

Change your password or recover your current one

Current password

You must provide your current password in order to change it.

New password

Password confirmation

Save password

[I forgot my password](#)

Generate and register public SSH key (1)

- In your assigned class server, generate the SSH key for gitlab access.

```
jhlee@deep9:~$ ssh-keygen
Generating public/private ed25519 key pair.
Enter file in which to save the key (/home/jhlee/.ssh/id_ed25519):
Created directory '/home/jhlee/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/jhlee/.ssh/id_ed25519
Your public key has been saved in /home/jhlee/.ssh/id_ed25519.pub
The key fingerprint is:
SHA256:phQNsJDTBejGsJReJsJNsmPf6IwVoIEpX/+a3Jsa790 jhlee@deep9
The key's randomart image is:
+--[ED25519 256]--+
|++==o+o          |
|B*B=o. o         |
|*X++... .       |
|o.B + ..        |
|. + ...S        |
|= . o.          |
|. o .o+         |
|   +o.o .       |
|   .o=.. E      |
+-----[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.

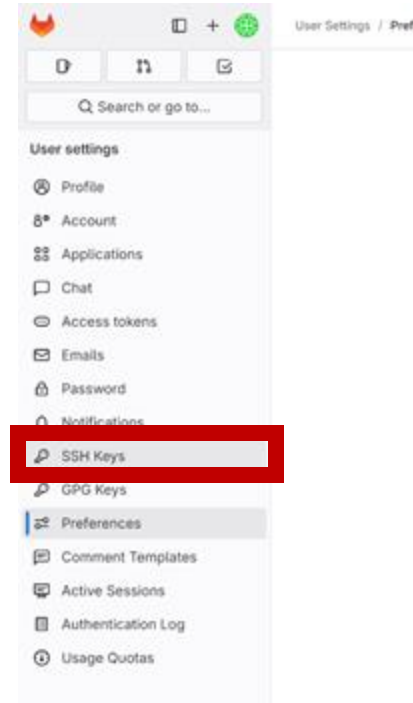
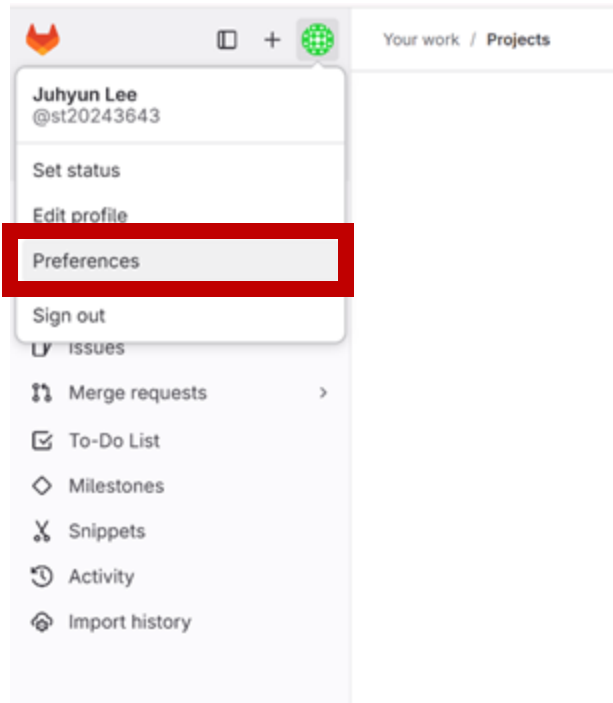
```
jhlee@deep9:~$ cd .ssh
jhlee@deep9:~/.ssh$ ls
id_ed25519  id_ed25519.pub
jhlee@deep9:~/.ssh$ cat id_ed25519.pub
```

```
ssh-
~
```

```
jhlee@deep9
```

Generate and register public SSH key (3)

- Click “Preferences” and then “SSH Keys”



Generate and register public SSH key (4)

- Click “Add new key”

The screenshot displays the GitLab user interface for managing SSH keys. On the left, a sidebar lists various user settings, with 'SSH Keys' currently selected. The main content area is titled 'SSH Keys' and includes a search bar at the top. Below the title, there is a brief explanation of SSH keys and a link to the 'current instance configuration'. A large light purple box in the center contains a padlock icon and the text 'There are no SSH keys with access to your account'. In the top right corner of this box, there is a button labeled 'Add new key', which is highlighted with a red rectangular border and a red arrow pointing to it from the right side of the image.

Generate and register public SSH key (4)

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

The screenshot shows the GitLab User Settings page for SSH Keys. The left sidebar contains a list of settings: Profile, Account, Applications, Chat, Access tokens, Emails, Password, Notifications, SSH Keys (highlighted), GPG Keys, Preferences, Comment Templates, Active Sessions, Authentication Log, and Usage Quotas. The main content area is titled 'SSH Keys' and includes a search bar. Below the title, there is a section 'Your SSH keys' with a plus icon and a zero count. The 'Add an SSH key' section contains a text area for the key, a 'Title' field, a 'Usage type' dropdown, and an 'Expiration date' field. The 'Add key' button is highlighted with a red box.

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 0

Add an SSH key

Add an SSH key for secure access to GitLab. [Learn more.](#)

Key

ssh- [redacted] jhlee@deep9

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

jhlee@deep9

Key titles are publicly visible.

Usage type

Authentication & Signing

Expiration date

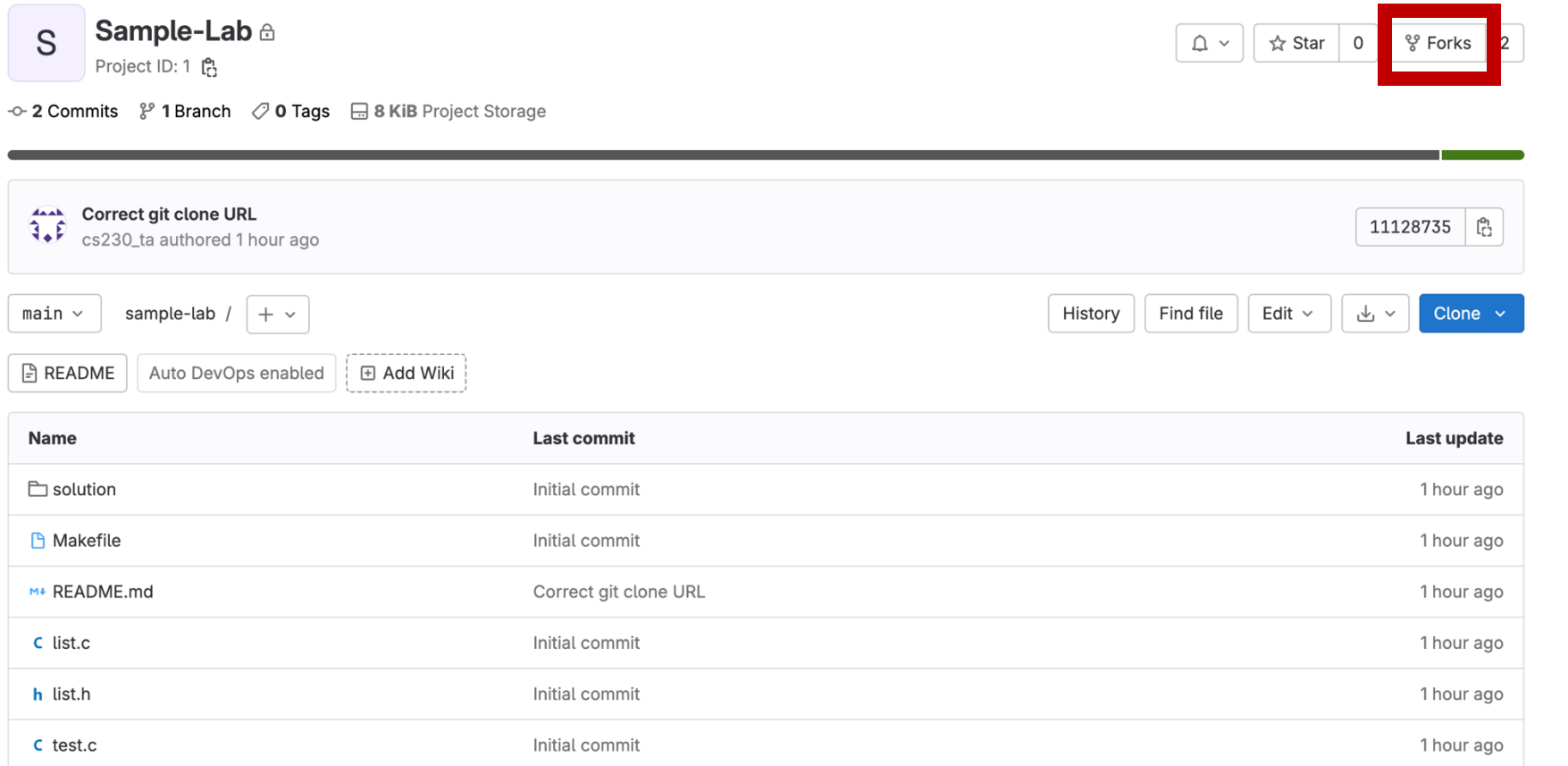
2026-03-08

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

Add key Cancel

Fork the deployed project to your repository (1)

- Fork project into your repository
- **Do not click “Star”**
 - If you do, other students can access your private code



The screenshot shows the GitHub interface for a repository named 'Sample-Lab'. The repository is owned by 'Sample-Lab' and has a Project ID of 1. It has 2 commits, 1 branch, 0 tags, and 8 KiB of project storage. The 'Forks' button is highlighted with a red box, and a red arrow points to it. Below the repository information, there is a section for the 'Correct git clone URL' with a copy icon and the URL '11128735'. The repository is currently on the 'main' branch of the 'sample-lab' repository. Below this, there are buttons for 'README', 'Auto DevOps enabled', and 'Add Wiki'. A table lists the files and their last commit and update:

Name	Last commit	Last update
solution	Initial commit	1 hour ago
Makefile	Initial commit	1 hour ago
README.md	Correct git clone URL	1 hour ago
list.c	Initial commit	1 hour ago
list.h	Initial commit	1 hour ago
test.c	Initial commit	1 hour ago

Fork the deployed project to your repository (2)

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



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

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

Project URL

 Project slug

Want to organize several dependencies? [Create a group](#)

Project description (optional)

Namespaces

- cs230
- cs230ta**

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 project **Cancel**

Fork the deployed project to your repository (3)


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

The project was successfully forked.

 **Sample-Lab**
Project ID: 4

  0  0


[2 Commits](#) [1 Branch](#) [0 Tags](#) [5 KiB Project Storage](#)

 **Correct git clone URL**
cs230_ta authored 1 hour ago

11128735







main ▾ sample-lab / + ▾

[History](#) [Find file](#) [Edit ▾](#) [Download ▾](#) [Clone ▾](#)

 Forked from [cs230 / Sample-Lab](#)
Up to date with the upstream repository.

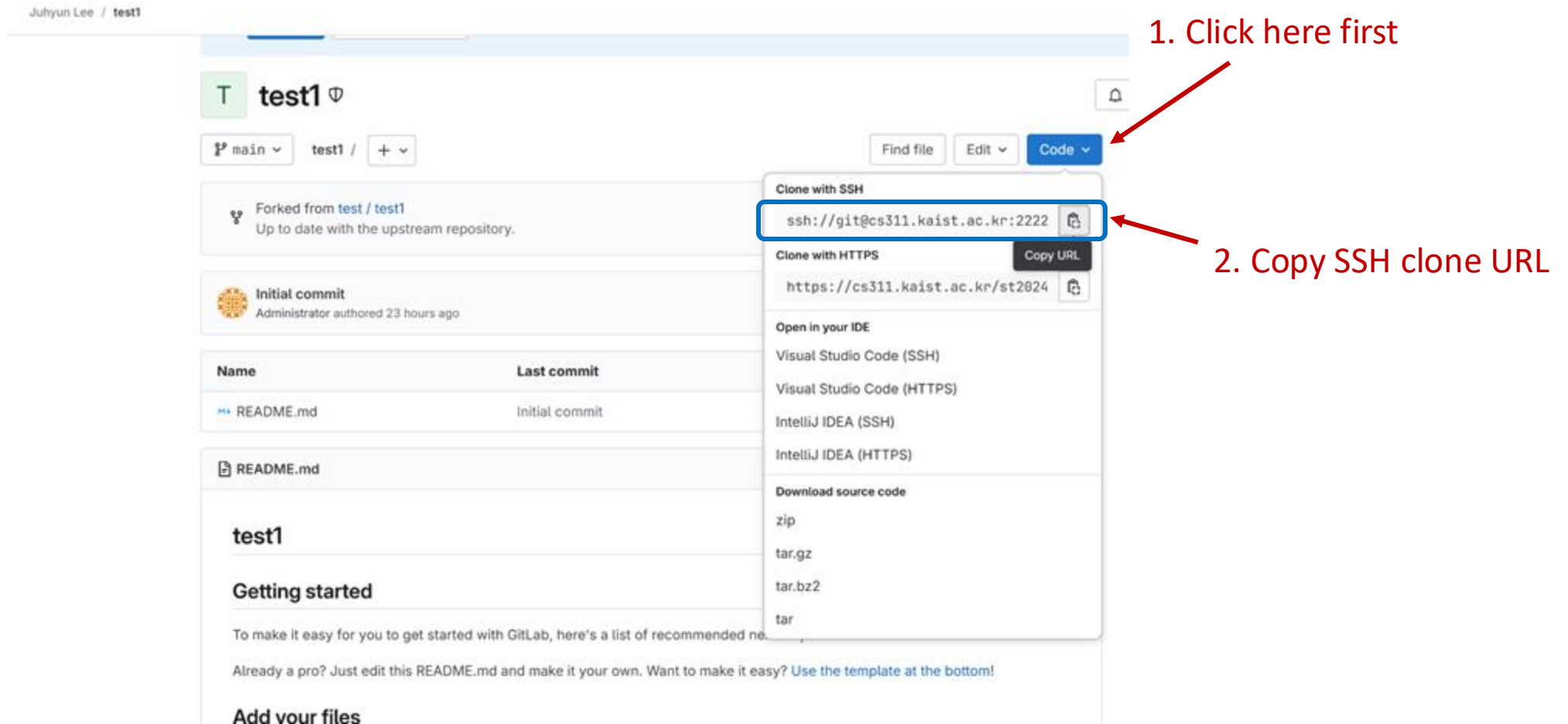
[README](#) [Auto DevOps enabled](#) [Add LICENSE](#) [Add CHANGELOG](#) [Add CONTRIBUTING](#) [Add Kubernetes cluster](#) [Add Wiki](#)

[Configure Integrations](#)

Name	Last commit	Last update
 solution	Initial commit	1 hour ago
 Makefile	Initial commit	1 hour ago
 README.md	Correct git clone URL	1 hour ago
 list.c	Initial commit	1 hour ago
 list.h	Initial commit	1 hour ago
 test.c	Initial commit	1 hour ago

Clone the deployed project

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



The screenshot shows the GitLab interface for a repository named 'test1'. The 'Code' button is highlighted with a red arrow and the text '1. Click here first'. The dropdown menu is open, showing the 'Clone with SSH' option with the URL 'ssh://git@cs311.kaist.ac.kr:2222' highlighted by a blue box and a red arrow. The text '2. Copy SSH clone URL' is next to the arrow. Other options in the dropdown include 'Clone with HTTPS', 'Open in your IDE', and 'Download source code'.

1. Click here first

2. Copy SSH clone URL

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



The image shows a project page for 'Project1-MIPS-Assembler'. It features a yellow square icon with a black 'P'. The project name is 'Project1-MIPS-Assembler' with a lock icon. Below the name is 'Project ID: 40' with a small icon. A red box highlights the '1 Tag' icon, with a red arrow pointing to it and the text 'A new tag appears' in red. Other icons show '4 Commits', '1 Branch', and '133 KB Project Storage'. At the bottom, it says 'Forked from cs311 / Project1-MIPS-Assembler'.

Project1-MIPS-Assembler

Project ID: 40

4 Commits 1 Branch 1 Tag 133 KB Project Storage

Forked from [cs311 / Project1-MIPS-Assembler](#)

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

Submit (3)

- If you want to re-submit with newer version, please follow the steps below.

1. Delete “submit” tag on both local and remote.

```
hbkim@deep9:~/test2$ git tag -d submit
Deleted tag 'submit' (was 5947539)
hbkim@deep9:~/test2$ git push origin --delete submit
To ssh://cs20300.kaist.ac.kr:24639/cs20300_ta/test2.git
- [deleted]          submit
```

2. Add “submit” tag and push again.