

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**](mailto:cs20300_ta@casys.kaist.ac.kr)

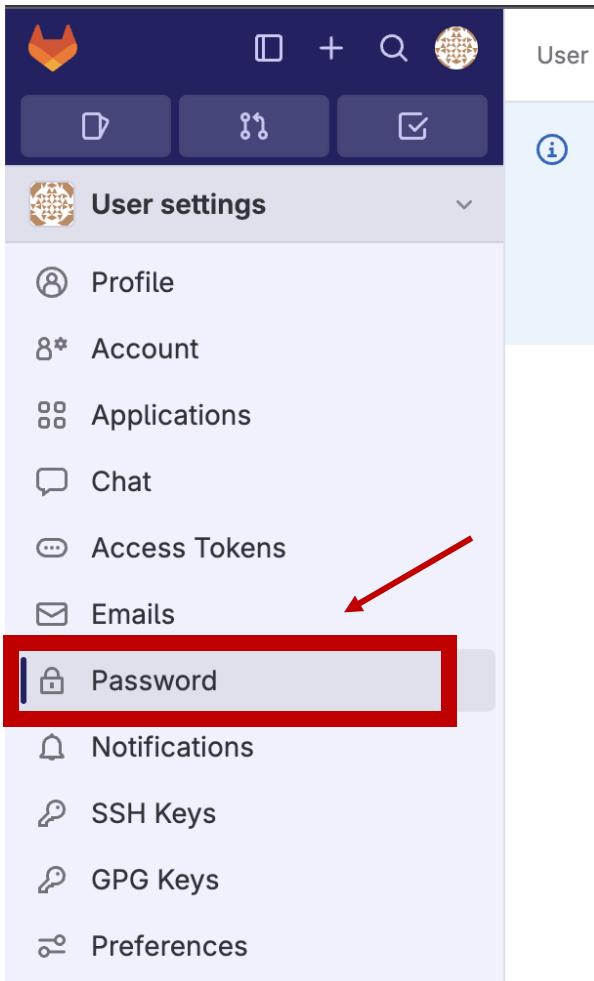
Change your password in GitLab (1)

- Select “Preferences” in home screen

The screenshot shows the GitLab home screen. On the left, a sidebar menu is open, displaying the user's profile (TA @cs230ta), navigation options (Set status, Edit profile, Preferences, Navigation redesign, New navigation, Provide feedback), and sign-out information. A red arrow points to the "Preferences" option, which is highlighted with a red box. To the right, the main content area shows a "Welcome to a new navigation experience" message, a "Projects" section with a "Yours" tab selected (showing 2 projects), and two project cards: "cs230 / Sample-Lab" (Developer) and "TA / Sample-Lab" (Owner).

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**

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)

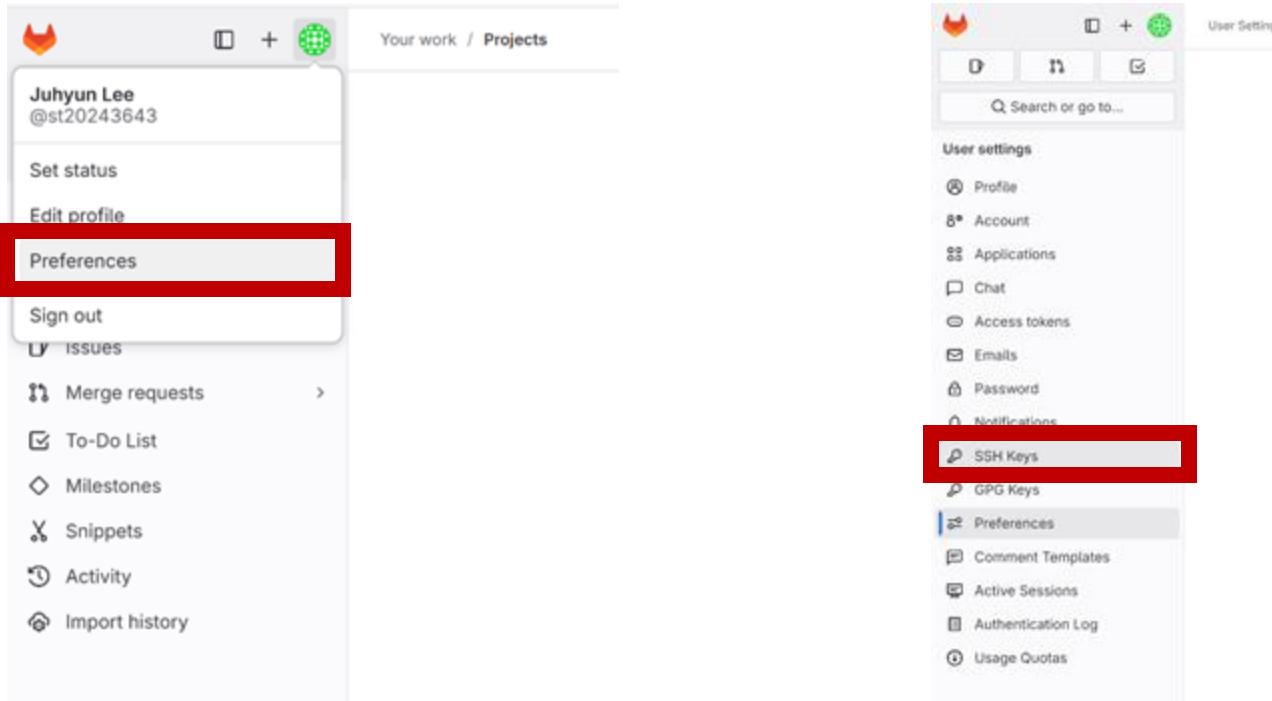
- Move to .ssh directory and check the content of id_xxx.pub file.
- Please **copy the entire content** including the *user@server_name* part.

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

```
|ssh-[REDACTED] 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 shows the GitLab user settings interface for managing SSH keys. The left sidebar lists various settings options, with 'SSH Keys' selected and highlighted in blue. The main content area is titled 'SSH Keys' and contains a sub-section titled 'Your SSH keys 0'. A large purple circular icon with a lock symbol is displayed, indicating no keys are currently listed. Below the icon, the text 'There are no SSH keys with access to your account' is centered. In the top right corner of the main content area, there is a white button with a grey border labeled 'Add new key'. A red rectangular box surrounds this button, and a red arrow points from the top right towards it, indicating where the user should click.

Generate and register public SSH key (4)

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

The screenshot shows the GitLab User Settings interface, specifically the SSH Keys section. The left sidebar has a 'User settings' menu with various options like Profile, Account, Applications, Chat, Access tokens, Emails, Password, Notifications, SSH Keys (which is selected and highlighted in blue), GPG Keys, Preferences, Comment Templates, Active Sessions, Authentication Log, and Usage Quotas. The main content area is titled 'SSH Keys' and contains a sub-section 'Your SSH keys' with a count of 0. Below this is a form titled 'Add an SSH key' with the sub-instruction 'Add an SSH key for secure access to GitLab. Learn more.' Under the 'Key' field, the public SSH key 'ssh-[REDACTED]jhlee@deep9' is pasted. The 'Title' field contains 'jhlee@deep9'. The 'Usage type' field is set to 'Authentication & Signing'. The 'Expiration date' field is set to '2026-03-06'. A note below says 'Optional but recommended. If set, key becomes invalid on the specified date.' At the bottom of the form are 'Add key' and 'Cancel' buttons, with 'Add key' being highlighted with a red box.

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

A screenshot of a GitHub project page for "Sample-Lab". The page shows basic statistics: 2 Commits, 1 Branch, 0 Tags, and 8 KiB Project Storage. The forks counter, which is 2, is highlighted with a red box and has a red arrow pointing to it. Below the stats is a commit message: "Correct git clone URL" by "cs230_ta" 1 hour ago. The commit ID is 11128735. At the bottom, there's a file list: README, Auto DevOps enabled, and Add Wiki. A table below lists files with their last commit details:

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

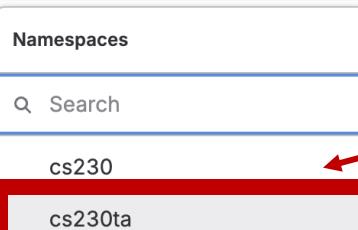
Fork the deployed project to your repository (2)

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

Project URL
https://git-casys.kaist.ac.kr/ **Select a namespace** 

Want to organize several dependent projects? Create a group

Project slug
sample-lab

Project description (optional)

Namespaces
 Search
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](#)

2 Commits 1 Branch 0 Tags 5 KiB Project Storage

Correct git clone URL
cs230_ta authored 1 hour ago

main sample-lab / + History Find file Edit Clone

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

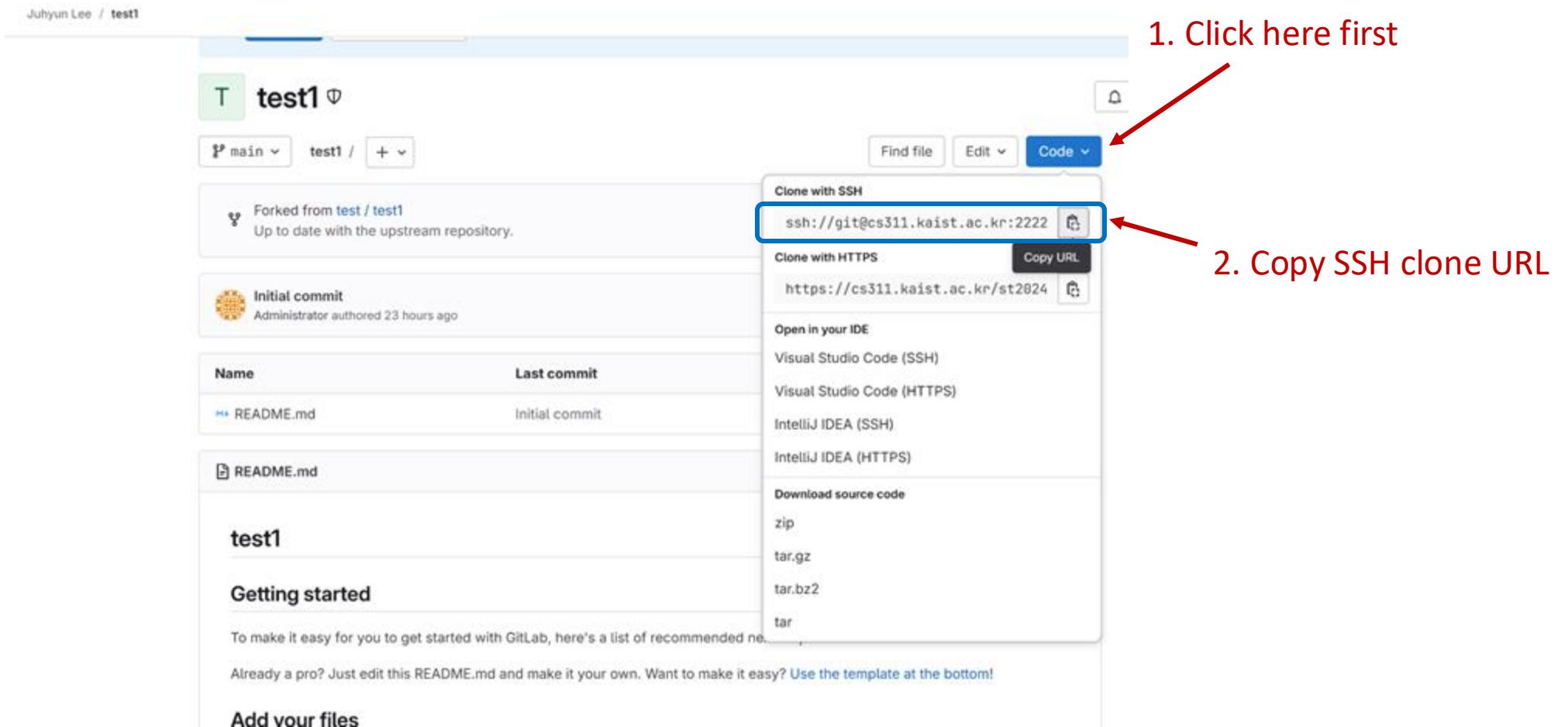
[README](#) [Auto DevOps enabled](#) [Add LICENSE](#) [Add CHANGELOG](#) [Add CONTRIBUTING](#) [Add Kubernetes cluster](#) [Add Wiki](#)

[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
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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)



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 

-o 4 Commits  1 Branch  1 Tag  133 KB Project Storage

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

A red arrow points to the "1 Tag" button, with the text "A new tag appears" written above it.

이상현 > Project1-MIPS-Assembler > Tags

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

 submit

-o [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.