

Project 0

GitHub classroom test

TA 張孝全

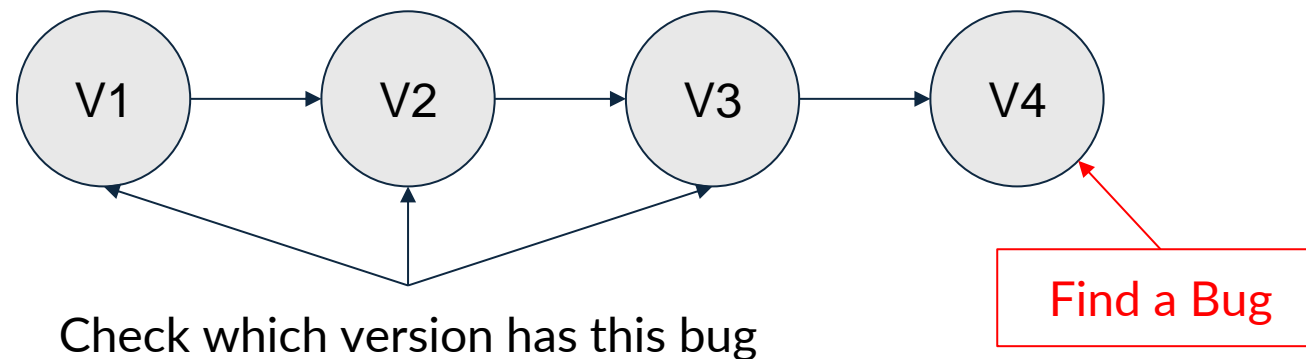
What is Git?

- A version control system
 - free and open source
 - small and fast
 - distributed



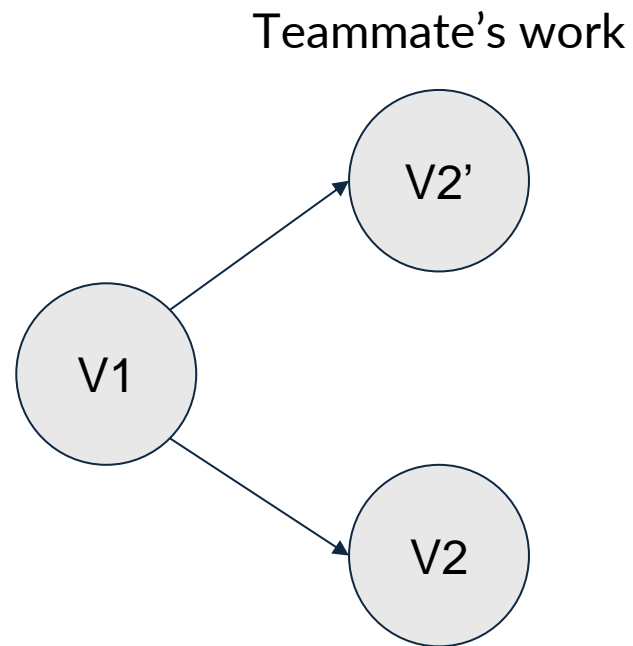
Why Git?

- When developing your own project, you may want to check the previous version of your project.
- Example:



Why Git?

- When developing with a group, you may want to synchronize the status of the project.
- Example:



GitHub Classroom

- GitHub:

GitHub is a Git-based code hosting and collaboration platform that provides version control, code management, and team collaboration features.

- GitHub Classroom:

GitHub Classroom provides each student with an individual assignment repository, allowing them to submit code and efficiently manage classroom assignments using Git and GitHub.



連結 GitHub Classroom

- 請同學透過以下連結將自己的 GitHub 帳號連結到 GitHub Classroom

<https://classroom.github.com/assignment-invitations/04fa952c5a623cf429b0c4378e0b3587>



連結 github classroom 帳號資料

由資科工碩 / IOC 邱恆毅發表於2025年 02月 27日(週四) 13:48

大家好：

本課程的 project 需要使用 github classroom，請同學於 3/5(三) 23:59 前點選此[連結](#)，將自己的 github 帳號與學生資料連結起來。

若有任何問題，請寄信詢問所有助教。

連結 GitHub Classroom

- 選擇自己的姓名學號進行綁定
(請勿綁定別人的帳號)
- 若找不到自己的學號，
或被其他人綁定，
請點擊 Skip to the next step
並使用 e3 寄信給所有助教
附上 GitHub 帳號。

Join the classroom:

NetworkProgramming-2025-spring-
classroom-9c5db4

To join the GitHub Classroom for this course, please select yourself from the list below to associate your GitHub account with your school's identifier (i.e., your name, ID, or email).

Can't find your name? [Skip to the next step →](#)

Identifiers

廖唯廷 313581022

張子中 313605013

張孝全 312581015

張慕平 412551002

連結 GitHub Classroom

NetworkProgramming-2025-spring-classroom-9c5db4

Accept the assignment — Project 0

Once you accept this assignment, you will be granted access to the `project-0-zekeabc` repository in the [NetworkProgramming-2025-spring](#) organization on GitHub.

Accept this assignment


連結 GitHub Classroom



You're ready to go!

You accepted the assignment, **Project 0**.

Your assignment repository has been created:

 <https://github.com/NetworkProgramming-2025-spring/project-0-zekeabc>

We've configured the repository associated with this assignment.

連結 GitHub Classroom

The screenshot shows the GitHub interface for a repository named 'project-0-zekeabc' under the owner 'NetworkProgramming-2025-spring'. The repository is marked as 'Private'. The top navigation bar includes links for Code, Issues, Pull requests, Actions, Projects, Security, Insights, and Settings. Below the repository name, there are buttons for 'Edit Pins', 'Watch' (0), 'Fork' (0), and 'Star' (0). The main content area features two cards: 'Start coding with Codespaces' with a 'Create a codespace' button, and 'Give access to the people you work with' with a 'Manage access' button. A 'Quick setup' section provides instructions for setting up the repository on a desktop or via SSH, including a URL and a list of recommended files to include. At the bottom, there is a section for creating a new repository on the command line with a list of commands.

NetworkProgramming-2025-spring / project-0-zekeabc

Code Issues Pull requests Actions Projects Security Insights Settings

project-0-zekeabc Private

Edit Pins Watch 0 Fork 0 Star 0

Start coding with Codespaces
Add a README file and start coding in a secure, configurable, and dedicated development environment.
[Create a codespace](#)

Give access to the people you work with
Ensure the right people and teams have access to this repository.
[Manage access](#)

Quick setup — if you've done this kind of thing before

[Set up in Desktop](#) or [HTTPS](#) [SSH](#) <https://github.com/NetworkProgramming-2025-spring/project-0-zekeabc.git>

Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

...or create a new repository on the command line

```
echo "# project-0-zekeabc" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
```

Git 基本使用

Git 教學: <https://git-scm.com/doc>

...or create a new repository on the command line

```
echo "# project-0-312581015" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/NetworkProgramming-2025-spring/project-0-312581015.git
git push -u origin main
```

- git init
- git add [file]
- git commit -m "[your message]"
- git branch -M main
- git remote add origin https://xxx
- git push -u origin main

初始化 Git 儲存庫 (repository)
檔案加入 Git 的暫存區 (staging area)
變更到本地儲存庫 (local repository)
將目前的分支 (branch) 重新命名為 main
設定遠端儲存庫 (remote repository) , 並命名為 origin
將 main 的內容推送 (push) 到 GitHub 的 origin 遠端儲存庫。

Add SSH key

Git SSH 教學:

- [Generating a new SSH key and adding it to the ssh-agent](#)
- [Adding a new SSH key to your GitHub account](#)

- 為了要讓 GitHub 認得這台電腦就是此帳號的使用者，所以我們會透過設定 SSH 的 public key 來當成認證的憑據。

- 新增 SSH key

```
ssh-keygen -t ed25519 -C "your_email@example.com"
```

- 將 SSH key 加入 ssh-agent

```
eval "$(ssh-agent -s)"  
ssh-add ~/.ssh/id_ed25519
```

Add SSH key

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- 將 SSH key 加入到 GitHub account

- 複製 SSH public key

```
cat ~/.ssh/id_ed25519.pub
```

Add SSH key

Git SSH 教學:

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- [Adding a new SSH key to your GitHub account](#)

- 將 SSH key 加入到 GitHub account
 - 貼至 GitHub 帳號設定

Public profile

Account

Appearance

Accessibility

Notifications

Access

Billing and plans

Emails

Password and authentication

Sessions

SSH and GPG keys

Organizations

Enterprises

Moderation

Add new SSH Key

Title

Key type

Authentication Key

Key

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

Paste public key here !!

Add SSH key