Lab overview

NYCU Go Programming 2024

2024/09/03

TA's information

SQLAB @ EC547

蘇家弘

axelhowe.cs12@nycu.edu.tw

課程會使用到的連結

Google classroom

https://classroom.google.com/c/NjkxODE1OTkxMzA2?cjc=cvkubpv

Google meet

https://meet.google.com/zcw-mkjo-cqx

Line group

https://line.me/ti/g/6SdreMYoyg

Facebook group

https://www.facebook.com/groups/go.nycu/

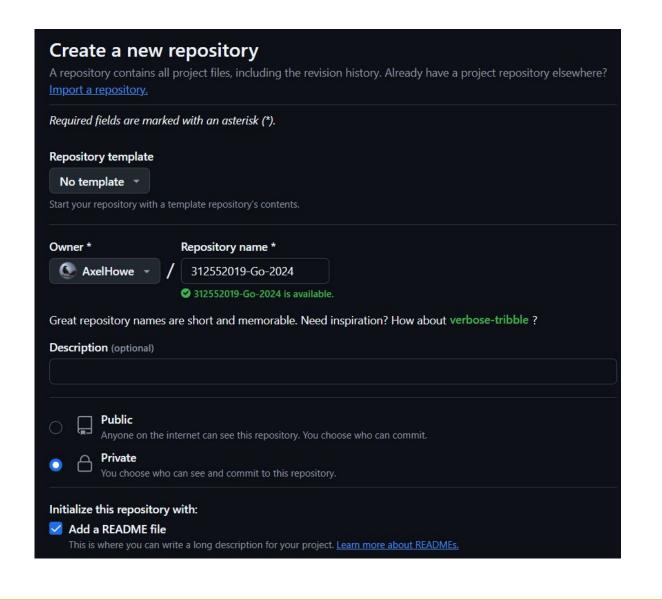


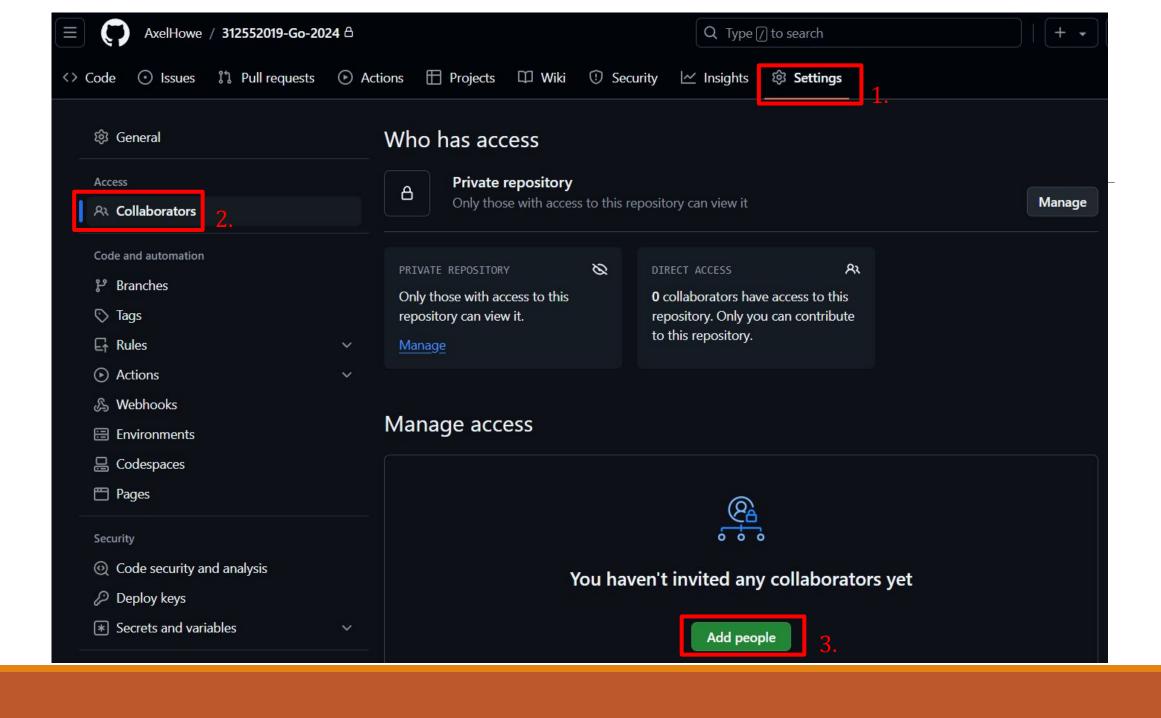
Lab 0-1 (GitHub)

- 0. 建立GitHub帳號
- 1. 建立一個 private 的 git repository, 名稱為 <student id>-Go-2024 進入 GitHub > New repository > 輸入 repository name + 選擇 private > Create repository
- 2. 將助教與老師加為 repository 的 collaborator

進入Repo > Settings > Collaborators > Add people

TA GitHub's ID: AxelHowe, skhuang





Lab 0-2 (環境安裝)

Go官方下載連結

All releases

After downloading a binary release suitable for your system, please follow the installation instructions.

If you are building from source, follow the source installation instructions.

See the release history for more information about Go releases.

As of Go 1.13, the go command by default downloads and authenticates modules using the Go module mirror and Go checksum database run by Google. See https://proxy.golang.org/privacy for privacy information about these services and the go command documentation for configuration details including how to disable the use of these servers or use different ones.

Featured downloads

Microsoft Windows

Windows 10 or later, Intel 64-bit processor

go1.23.0.windows-amd64.msi

Apple macOS (ARM64)

macOS 11 or later, Apple 64-bit processor

go1.23.0.darwin-arm64.pkg

Apple macOS (x86-64)

macOS 11 or later, Intel 64-bit processor

go1.23.0.darwin-amd64.pkg

Linux

Linux 2.6.32 or later, Intel 64-bit processor

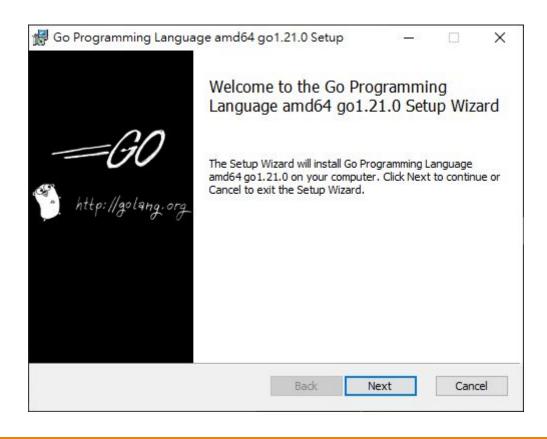
go1.23.0.linux-amd64.tar.gz

Source

go1.23.0.src.tar.gz

Lab 0-2

在 Windows 安裝, 基本上一直點擊 Next 就好了



Lab 0-2

驗證是否安裝成功: go version

axelhowe@DESKTOP-85LD9SI:~\$ go version go version go1.23.0 linux/amd64

IDE



VS Code

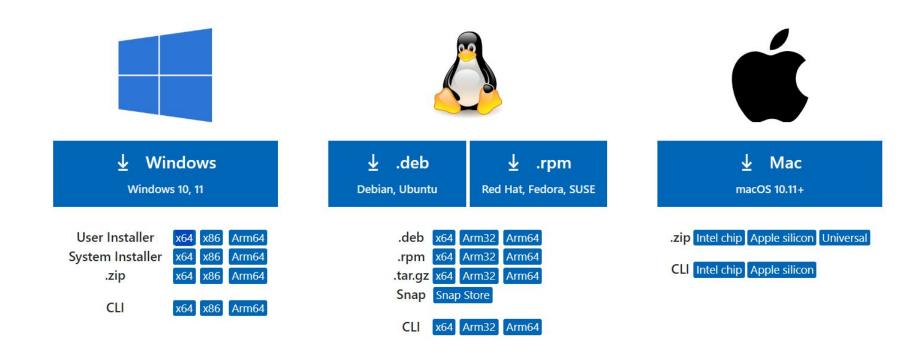


GoLand

Download Visual Studio Code

Free and built on open source. Integrated Git, debugging and extensions.

VSCode 官方下載連結



License Agreement

Please read the following important information before continuing.



在 Windows 安裝, 基本上 也是一直點擊 Next 就好了 Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.

This license applies to the Visual Studio Code product. Source Code for Visual Studio Code is available at https://github.com/Microsoft/vscode under the MIT license agreement at

https://github.com/microsoft/vscode/blob/main/LICENSE.txt. Additional license information can be found in our FAQ at https://code.visualstudio.com/docs/supporting/faq.

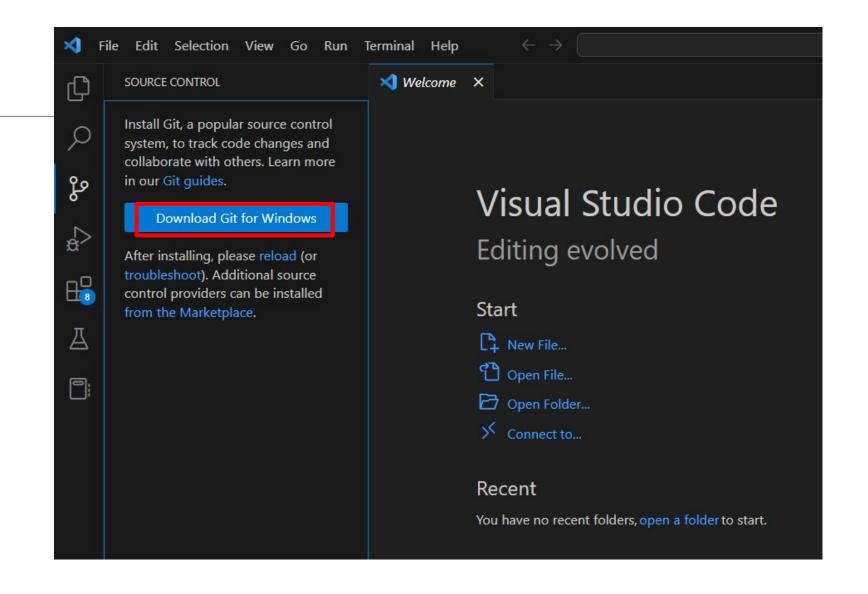
MICROSOFT SOFTWARE LICENSE TERMS MICROSOFT VISUAL STUDIO CODE

- O I accept the agreement
- I do not accept the agreement

Next >

Cancel

安裝 Git







Git官方下載連結

About

Documentation

Downloads

GUI Clients Logos

Community

The entire **Pro Git book** written by Scott Chacon and Ben Straub is available to read online for free. Dead tree versions are available on Amazon.com.

Download for Windows

Click here to download the latest (2.42.0) 64-bit version of Git for Windows. This is the most recent maintained build. It was released 9 days ago, on 2023-08-30.

Other Git for Windows downloads

Standalone Installer 32-bit Git for Windows Setup.

64-bit Git for Windows Setup.

Portable ("thumbdrive edition") 32-bit Git for Windows Portable.

64-bit Git for Windows Portable.

Using winget tool

Install winget tool if you don't already have it, then type this command in command prompt or Powershell.

```
winget install --id Git.Git -e --source winget
```

The current source code release is version **2.42.0**. If you want the newer version, you can build it from the source code.

Now What?

Now that you have downloaded Git, it's time to start using it.



Information

Please read the following important information before continuing.



再一次一直按 Next

When you are ready to continue with Setup, click Next.

GNU General Public License

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc. 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

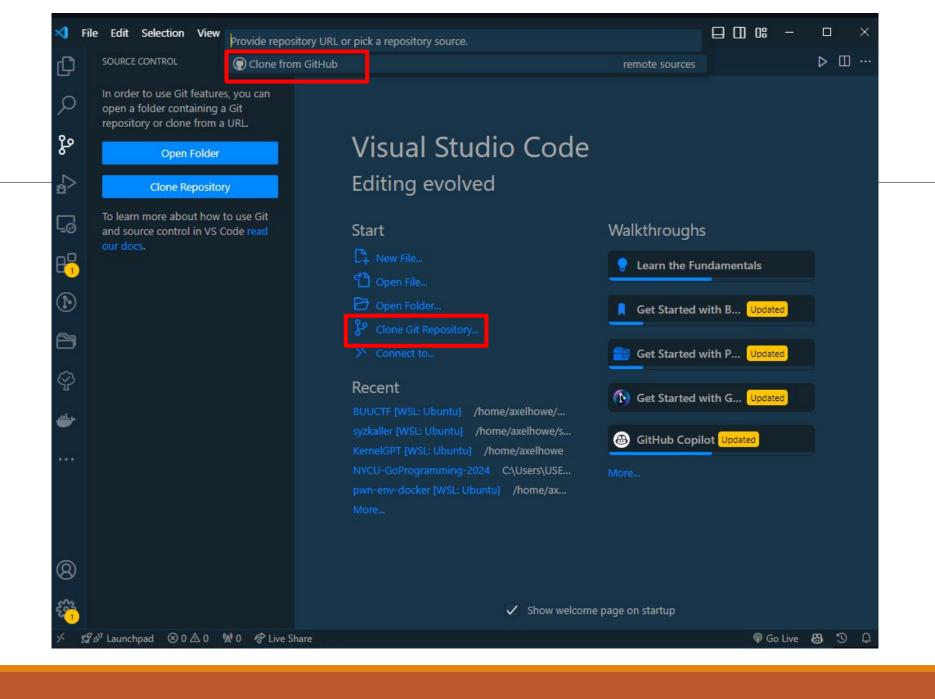
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to quarantee your freedom to share and change

https://gitforwindows.org/

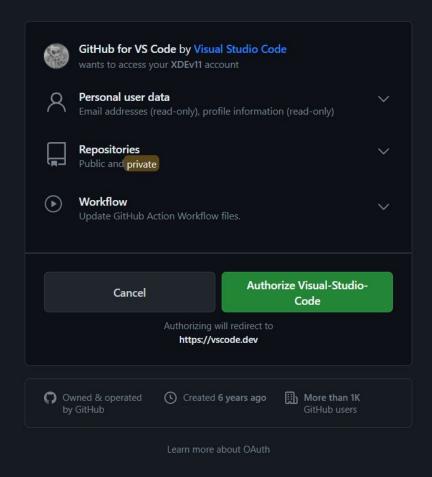
Next

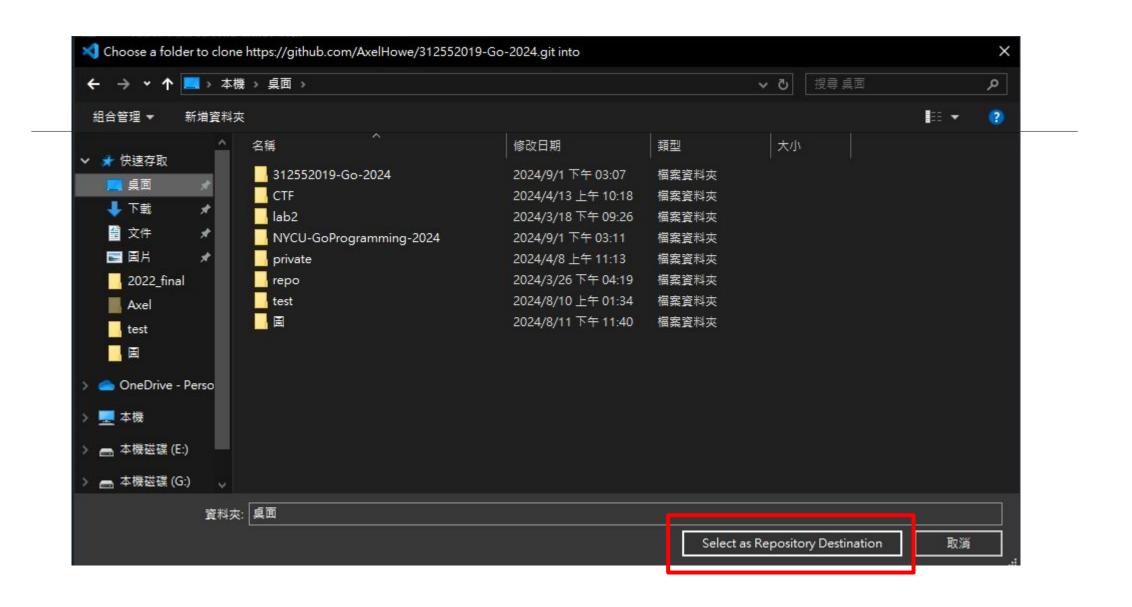
Cancel





Authorize GitHub for VS Code



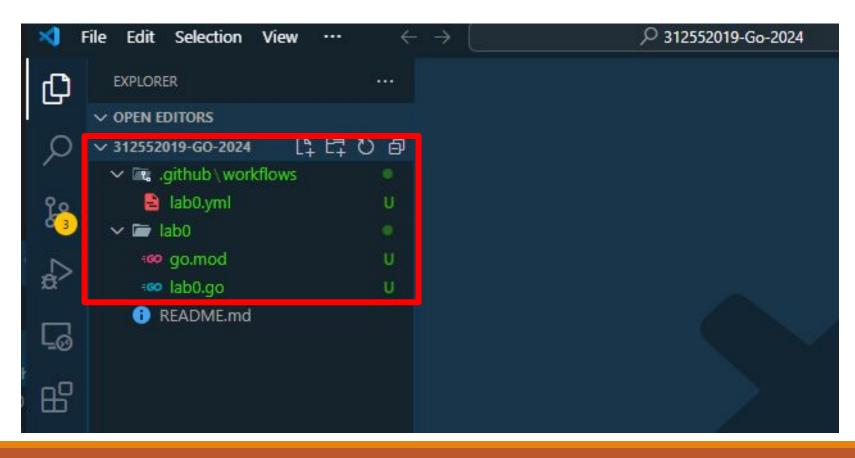


Lab 0-3 (Hello World)

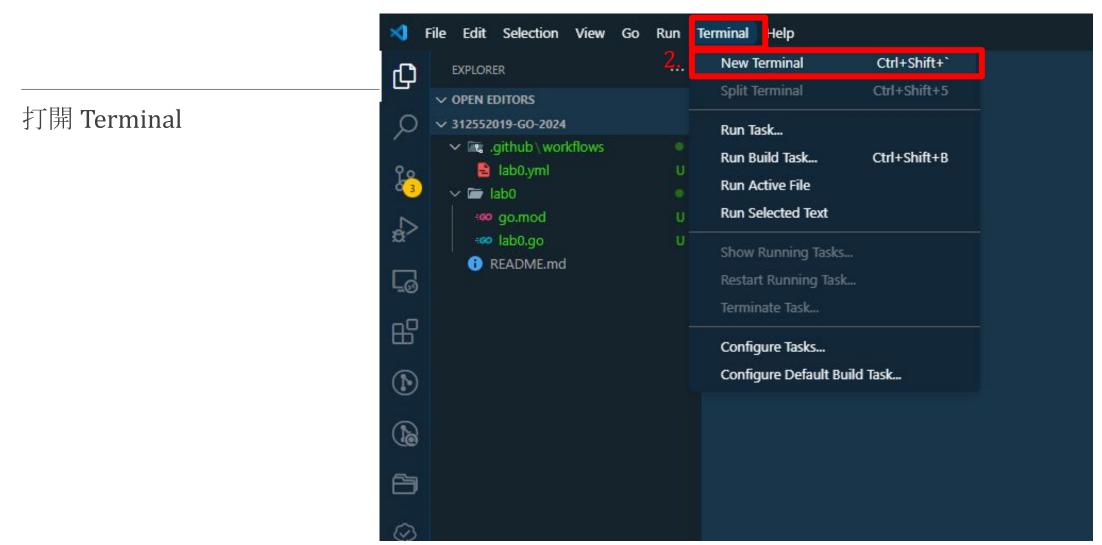
題目網址:

AxelHowe/NYCU-GoProgramming-2024 (github.com)

將檔案從題目複製到剛創好的資料夾裡面,資料夾結構如下(與題目一樣)



1.



執行看看,有沒有顯示 Hello World 呢?

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

axelhowe@DESKTOP-85LD9SI:/mnt/c/Users/USER/Desktop/312552019-Go-2024$ cd lab0/
axelhowe@DESKTOP-85LD9SI:/mnt/c/Users/USER/Desktop/312552019-Go-2024/lab0$ go run .

Hello World
axelhowe@DESKTOP-85LD9SI:/mnt/c/Users/USER/Desktop/312552019-Go-2024/lab0$
```

為 Git 設定識別資料, 你在每台電腦上只需設定一次

替換成自己的 username 跟 email

Reference: Git - 初次設定 Git (git-scm.com)

```
$ git config --global user.name "John Doe"
$ git config --global user.email johndoe@example.com
```

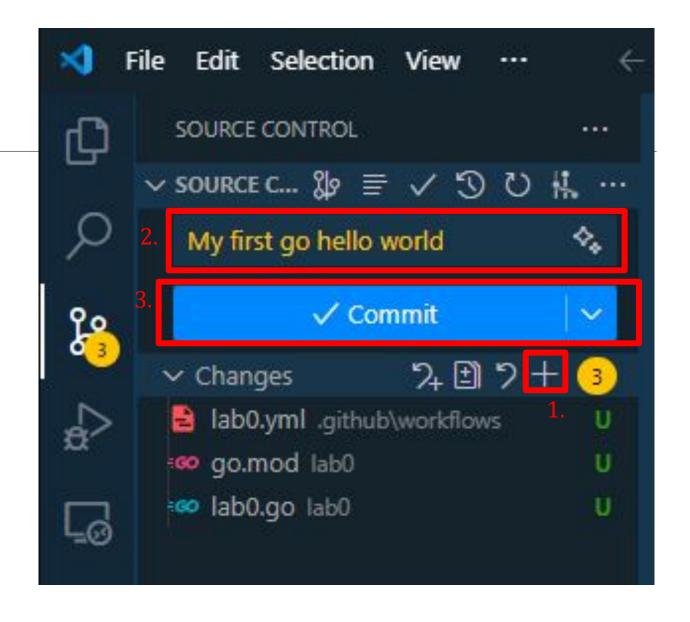
```
problems output debug console terminal ports Gitlens comments

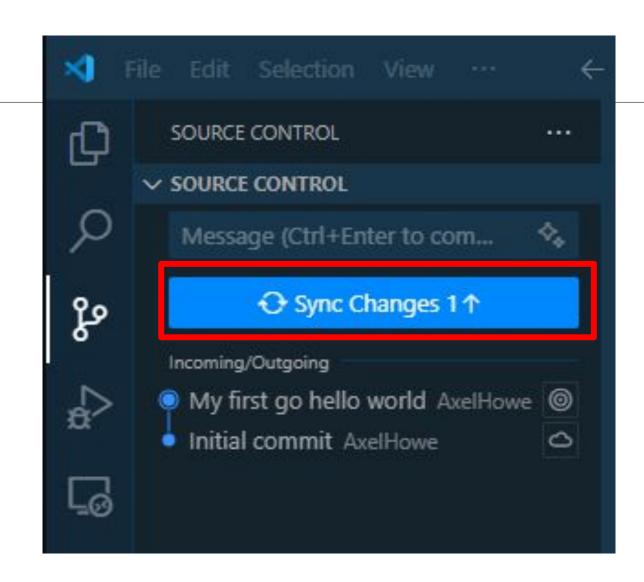
axelhowe@DESKTOP-85LD9SI:/mnt/c/Users/USER/Desktop/312552019-Go-2024$ git config --global user.name "AxelHowe"

axelhowe@DESKTOP-85LD9SI:/mnt/c/Users/USER/Desktop/312552019-Go-2024$ git config --global user.email s11242586@gmail.com

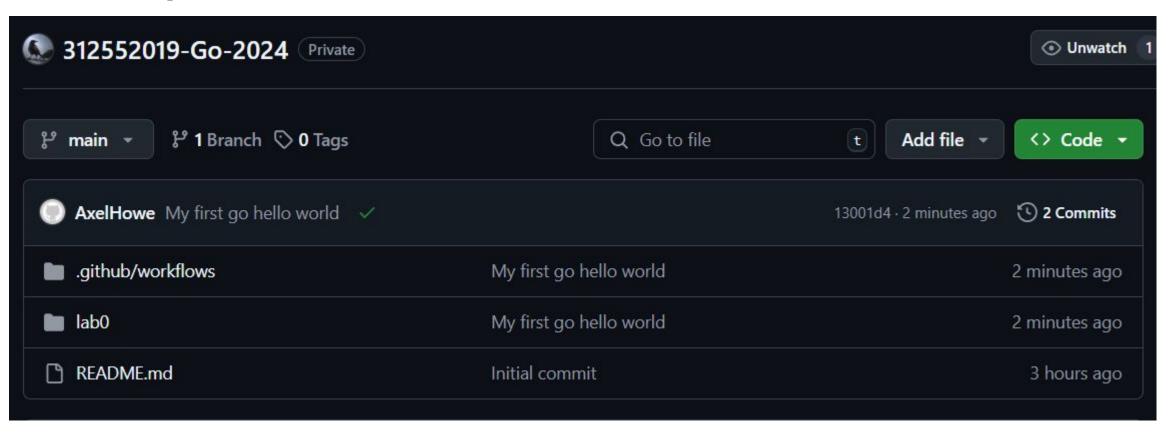
axelhowe@DESKTOP-85LD9SI:/mnt/c/Users/USER/Desktop/312552019-Go-2024$
```

提交 commit





查看是否 push 到 GitHub 上了



繳交作業

要繳交的 commit 連結以及對應的 GitHub Actions 結果連結,

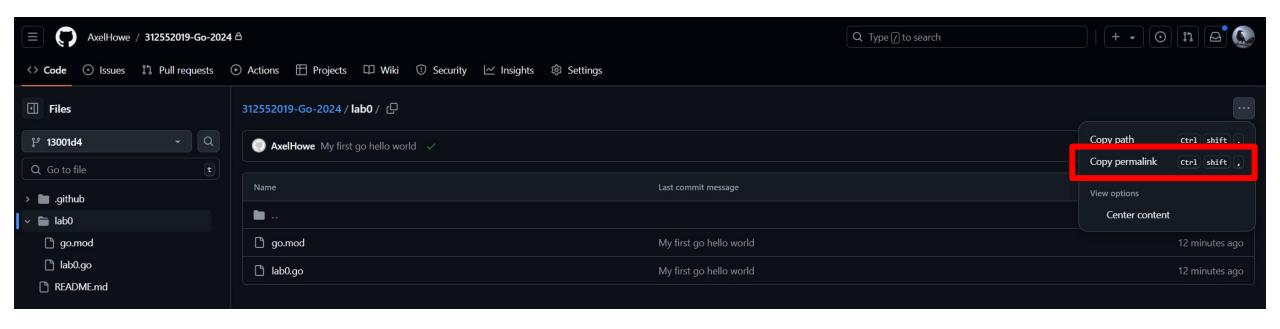
並請加上超連結。

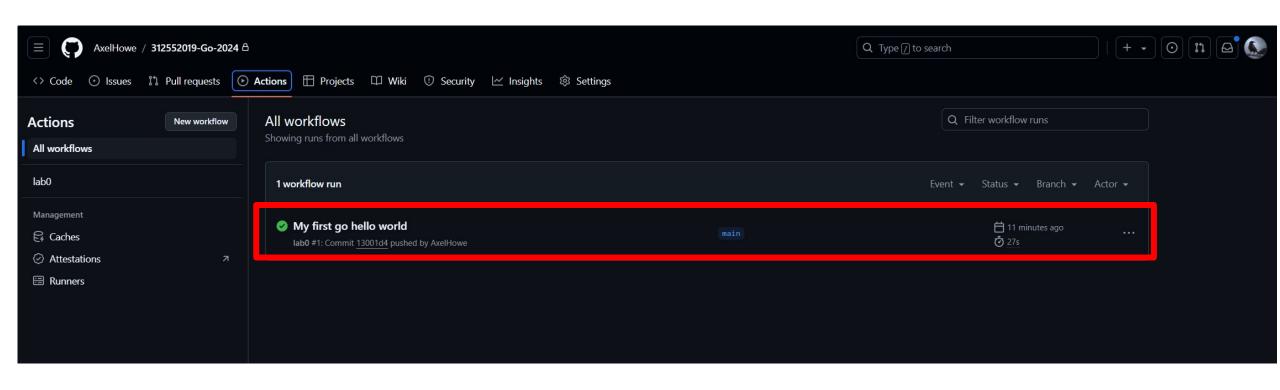
(交錯誤的連結格式將視為沒繳交)

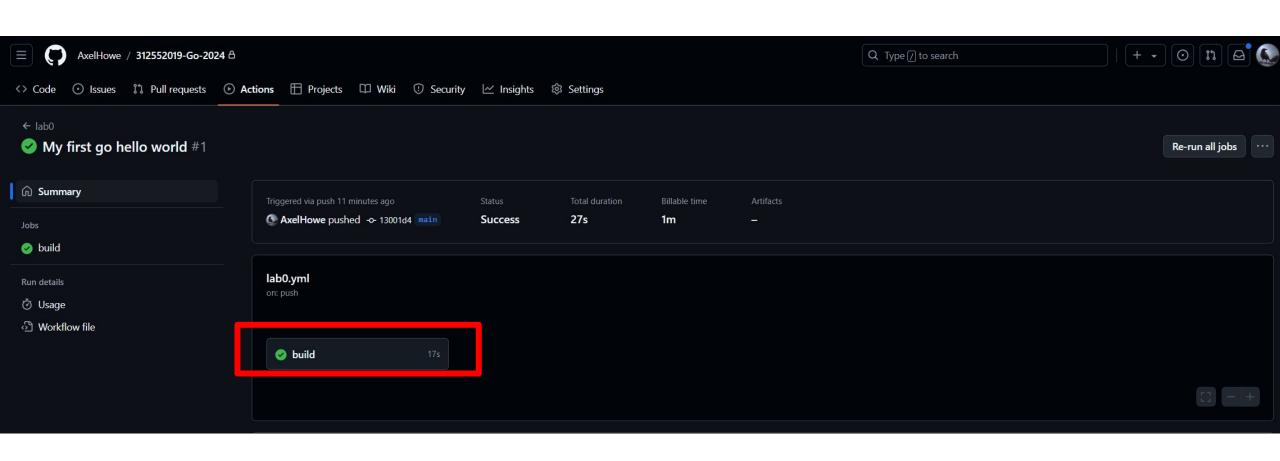
正確的連結範例:

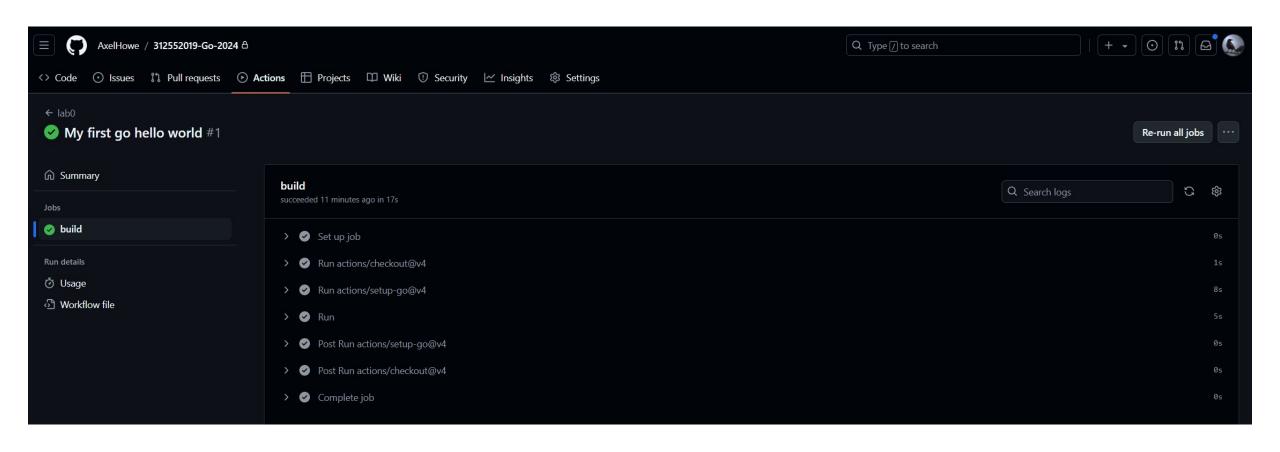
https://github.com/AxelHowe/NYCU-GoProgramming-2024/tree/38f466e3efb6ec89094f6c7cba753c20151fa7d4/lab0

https://github.com/AxelHowe/NYCU-GoProgramming-2024/actions/runs/10652078898/job/29525430173









作業遲交規則

每遲交一週扣10分,最多扣50分為上限,學期成績結算前皆可補交。

好用的AI工具



GitHub Copilot



ChatGPT

GitHub Copilot

```
send_tweet.py
```

安裝教學

ChatGPT

