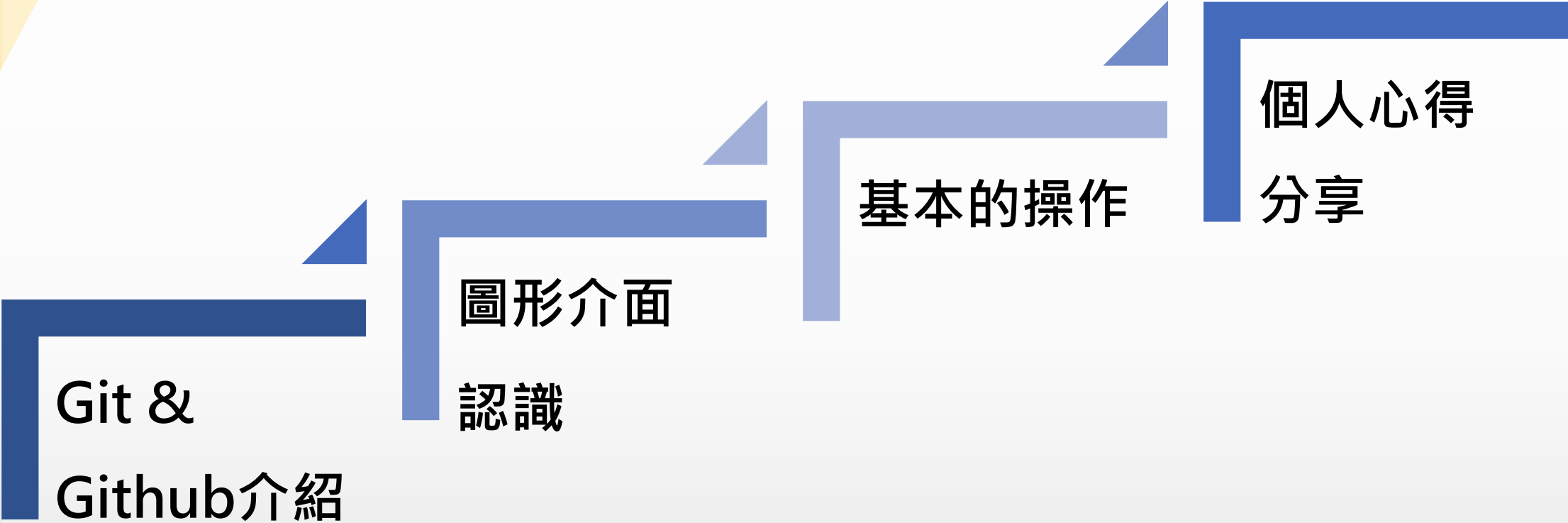


防疫伴伴學

Github 基礎操作與分享

主講人：黑貓



Git &
Github介紹

圖形介面
認識

基本的操作

個人心得
分享

Main0530.c

問題：

你會用怎樣做檔案管理？

mainFunctionV1_Final.py

EVERY PRODUCER IN THIS WORLD



f #urbancontact

It's me!

EST310Projectv3 (1).apk

EST310Projectv3 (6)FinalBuild.apk

EST310Projectv3 (6)FinalBuild(1).apk

Is this version control?

問題：

找工具？用甚麼工具？



git



introduction-to-version-control-with-git

This is the introductory lesson to version control using Git

Git & GitHub 前導知識

關於這份文件

這份文件是為了配合一些 Git/GitHub 教學所寫的前導文件。不會涉及太深入的版本管理議題，目的是讓你在學習 Git/GitHub 之前對一些背景知識以及名詞有些了解。

好吧，說真的 Git 到底是什麼？

要談 Git 之前，要先了解什麼是版本管理，以及它為何重要？

想像一下你是個正在寫論文的研究生。從題目訂好後你就新增了一份 WORD 文件，然後從碩一開始，每隔一段時間增加一點內容，直到碩二畢業前才寫出來。畢業之前，你把論文所有的文件、引用的文獻 pdf 檔、引用或自行繪製的說明圖片檔，全部放在同一個資料夾。且為了怕電腦掛點，所以狡兔要有三窟 – 除了電腦要有一份，你還上傳一份到 Google 雲端硬碟，以及在隨身硬碟中也備份了一份。

由於寫論文的特性通常是“越寫越完整”，因此如果你是碩二生，你通常不太會在意碩一時在哪個時間點所寫的內容。也就是說“版本”以及“如何管理版本”這件事情對你寫論文這件事情來說是不太重要的。你唯一要在意的可能只是確保這三窟的內容都一致。

但現在把情況換成軟體開發，軟體開發的狀況可就不見這樣的。假設今天你寫了 v1.0 版的



這不是考試！
這不是考試！
這不是考試！

因為很重要，所以說三次。

老師：這次考試不及格的少
一分打一下

@迷因翻譯





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Search GitHub



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Where the world builds software

Millions of developers and companies build, ship, and maintain their software on GitHub—the largest and most advanced development platform in the world.

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65+ million

Developers

3+ million

Organizations

200+ million

Repositories

72%

Fortune 50





Join GitHub

Create your account

Username *

Email address *



Password *

Make sure it's at least 15 characters OR at least 8 characters including a number and a lowercase letter.
[Learn more.](#)

Email preferences

☐ Send me occasional product updates, announcements, and offers.

Verify your account

Create account

By creating an account, you agree to the [Terms of Service](#). For more information about GitHub's privacy practices, see the [GitHub Privacy Statement](#). We'll occasionally send you account-related emails.

帳號

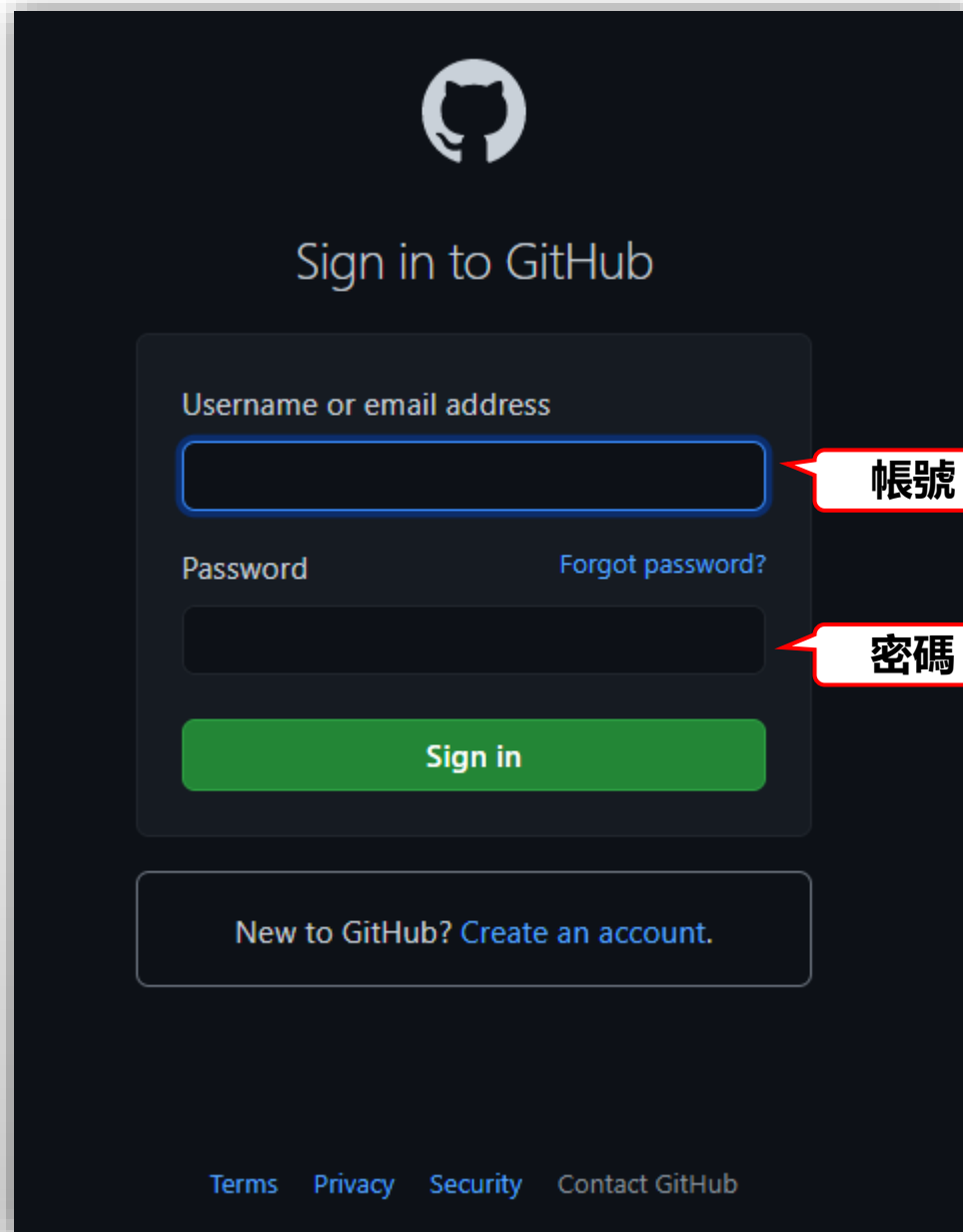
信箱

密碼

推送更新

機器驗證

都沒問題就
按這個建立
帳號！



The image shows the GitHub sign-in page. At the top is the GitHub logo (Octocat) in a circle. Below it is the text "Sign in to GitHub". The main form area has a dark background. It contains a label "Username or email address" above a text input field. To the right of this input field is a red speech bubble containing the Chinese characters "帳號" (Account). Below the first input field is a label "Password" above another text input field. To the right of this input field is a red speech bubble containing the Chinese characters "密碼" (Password). To the right of the password input field is a link "Forgot password?". Below the password input field is a green button with the text "Sign in". Below the sign-in button is a link "New to GitHub? Create an account.". At the bottom of the page are links for "Terms", "Privacy", "Security", and "Contact GitHub".

Sign in to GitHub

Username or email address

帳號

Password

密碼

[Forgot password?](#)

Sign in

[New to GitHub? Create an account.](#)

[Terms](#) [Privacy](#) [Security](#) [Contact GitHub](#)



Search or jump to...



[Pull requests](#) [Issues](#) [Marketplace](#) [Explore](#)

通知&設定



minexo79

Repositories

New

Find a repository...

minexo79/DailyOneCode

檔案庫一覽

Your teams

Find a team...

團隊一覽



HTG-YT created a repository [LinuxCommandsForWindows/PowerShellLinuxPrompt](#) 1 minute ago

[LinuxCommandsForWindows/PowerShellLinuxPrompt](#)

A Linux-like prompt for Windows PowerShell

Updated May 30

Star



xiaoxigua-1 starred 5 repositories 7 hours ago

[microsoft/PowerToys](#)

Windows system utilities to maximize productivity

C# 55.2k 87 issues need help Updated May 30

Star



KevinTsaiCodes starred [kiang/covid19](#)

[kiang/covid19](#)

JavaScript 35 Updated May 30

Star



Rapptz started following [funkyhippo](#) yesterday



[funkyhippo](#)

23 repositories 1 follower

Follow



Rapptz starred [jaemk/self_update](#) yesterday

[jaemk/self_update](#)

Self updates for rust executables

Rust 100 Updated May 29

Star

好友&追蹤用戶的動態



Dark mode is here!

Go to Settings → Appearance to choose your theme preference.

Go to Settings

新功能&活動消息



2021 Octoverse Survey

Contribute to this year's Octoverse Report by sharing your experience writing code.

Take survey

Explore repositories

[thomasnordquist/MQTT-Explorer](#)

An all-round MQTT client that provides a structured topic overview

TypeScript 1.3k

[funtuan/realtime-front-end](#)

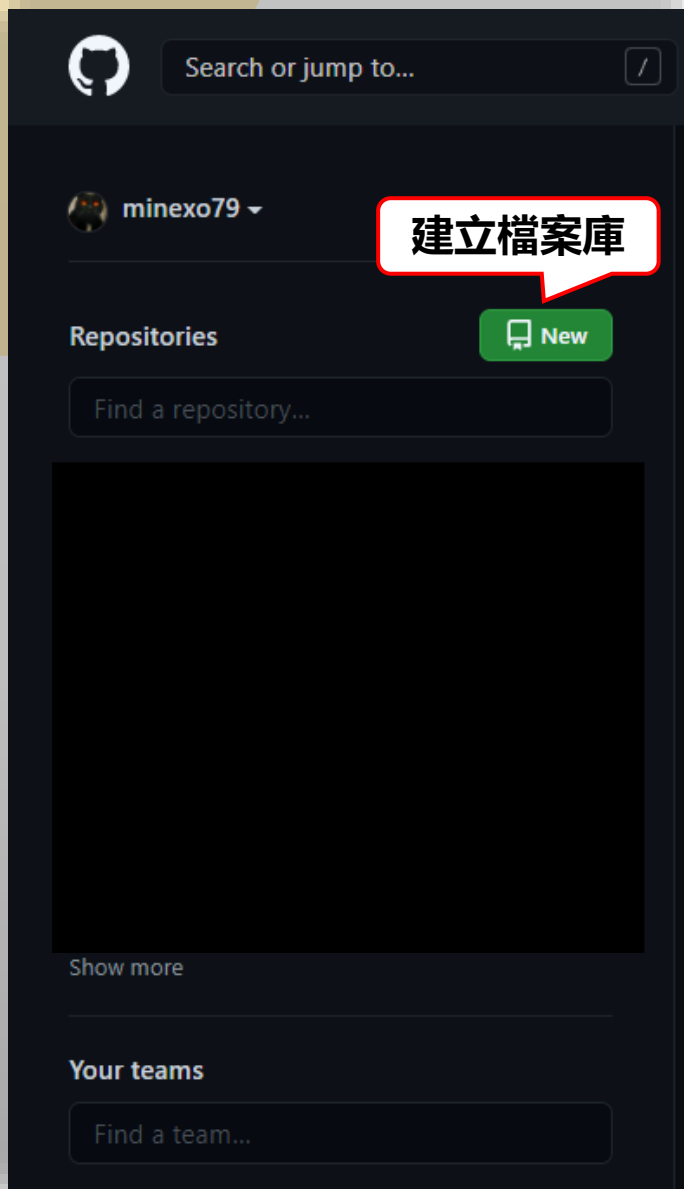
Vue 1.2k

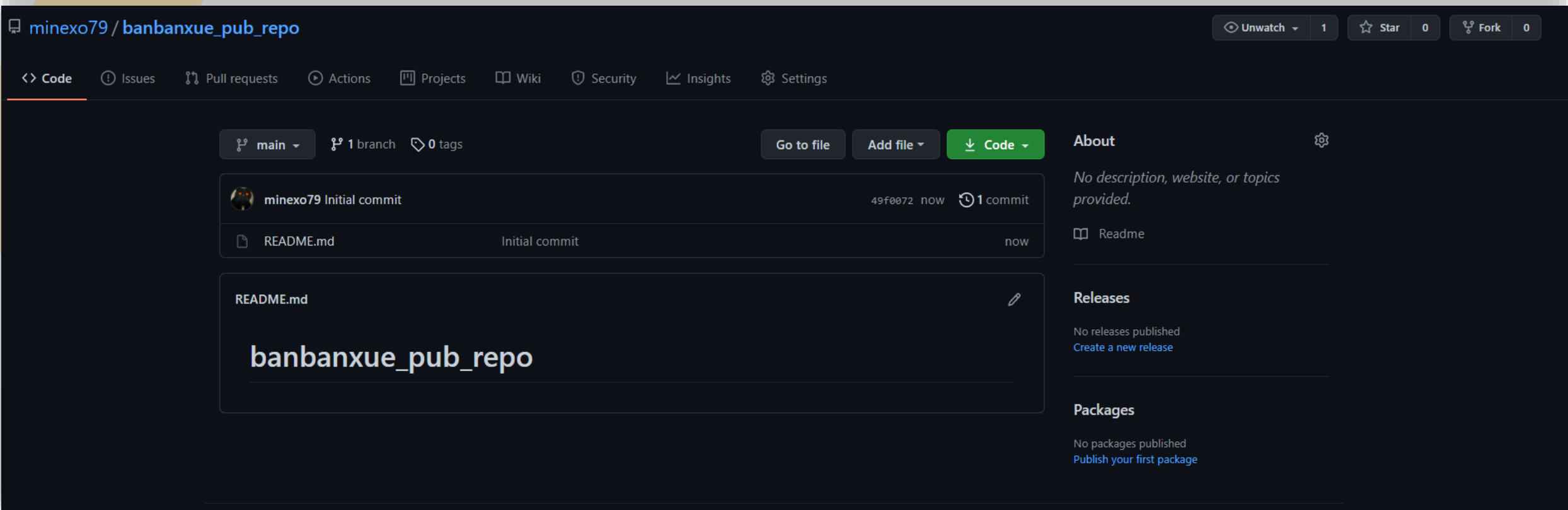
[googlecodelabs/android-compose-codelabs](#)

Kotlin 196

Explore more →

推送的檔案庫





minexo79 / banbanxue_pub_repo

這是公開的檔案庫

minexo79 / banbanxue_pub_repo Private

這是私人的檔案庫

練習1

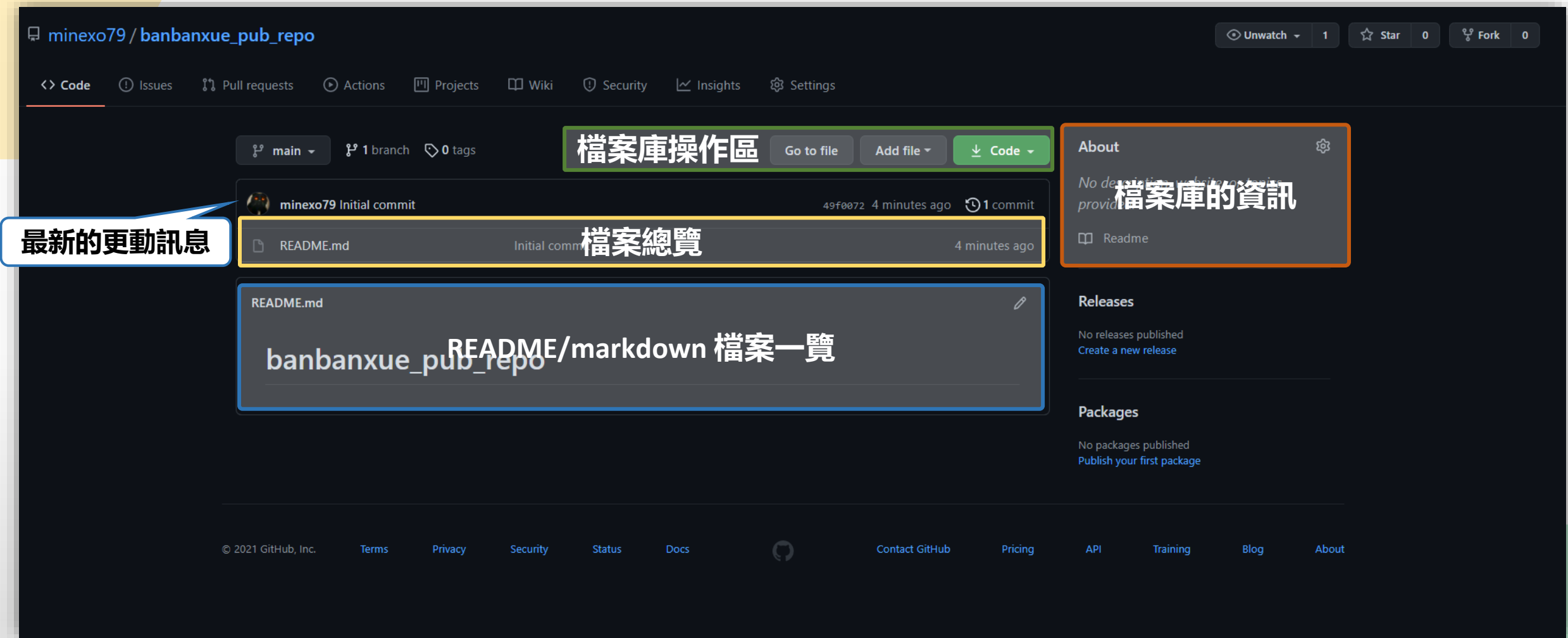
- 到 Github 註冊帳號
- 新建一個Public Repository (公開檔案庫)
- 新建一個Private Repository (私人檔案庫)

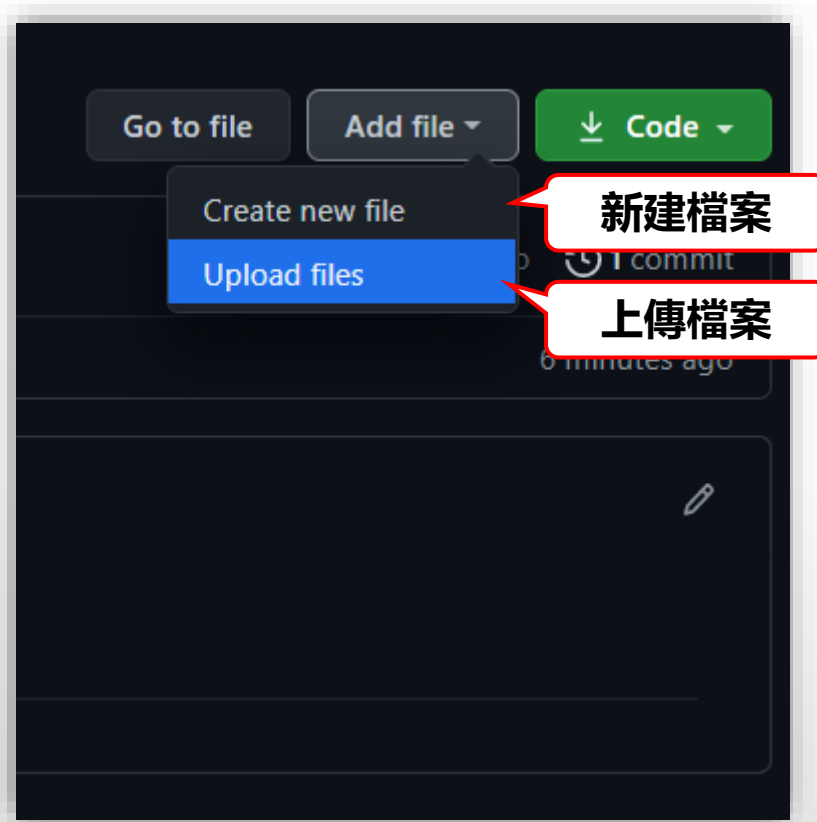
增/刪/查/改


對檔案做
增/刪/查/改

寫commit
(更動說明)

操作完成







Commit new file

Create new file

更動說明的主旨

Add an optional extended description...

更動說明的細節

☒ Commit directly to the `main` branch.


☐ Create a new branch for this commit and start a pull request. [Learn more about pull requests.](#)

Commit new file

Cancel



操作確認

取消操作

 minexo79 新增檔案A

最新的更動訊息

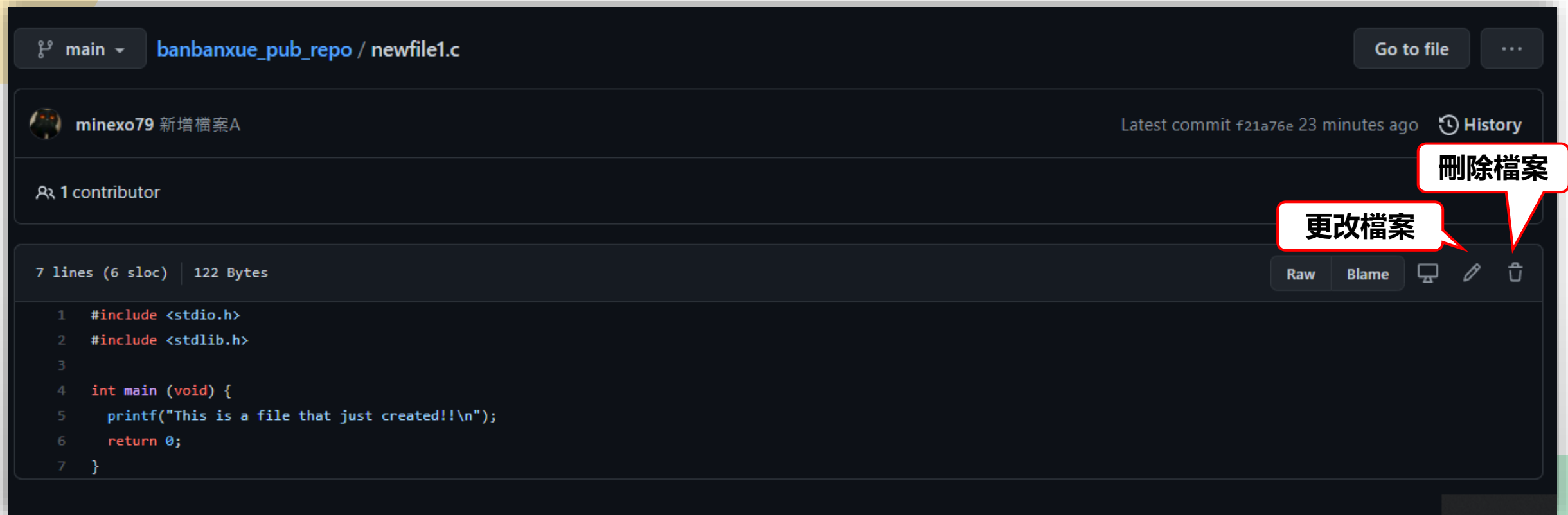
f21a76e now 2 commits

 README.md	Initial commit	16 minutes ago
 newfile1.c	新增檔案A	now

出現剛剛新增的檔案

練習2

- 新建一到三個檔案。(提示：等等會用到這三個檔案)
 - File1.py
 - File2.ino
 - File3.c
- 將從Google Drive下載的程式碼上傳。



練習3

- 將程式碼 `hello.c` 做如下更動：

1. `printf("This is a file that just created!!\n");`

變成

```
printf("!!Hello Github!!\n");
```


2. `return 0;` 刪除

3. 在 `int main()` 底下，新增一行 `system("pause");`

History for `banbanxue_pub_repo` / `newfile1.c`

Commits on May 30, 2021

Update `newfile1.c`

 `minexo79` committed now


Verified



3bb3439



新增檔案A

 `minexo79` committed 30 minutes ago

Verified



f21a76e



Newer

Older

4 newfile1.c

@@ -2,6 +2,6 @@

```
2  #include <stdlib.h>
```

```
3
```

```
4  int main (void) {
```

```
5  - printf("This is a file that just created!!\n");
```

```
6  - return 0;
```

```
7  }
```

```
2  #include <stdlib.h>
```

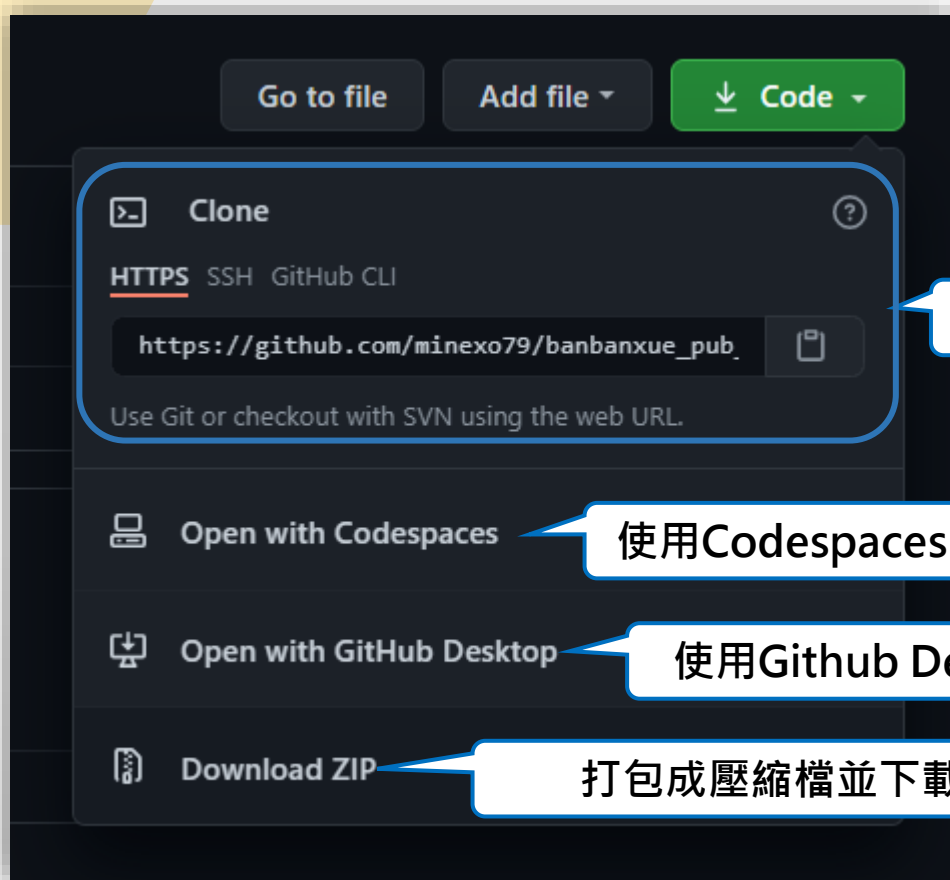
```
3
```

```
4  int main (void) {
```

```
5  + system("pause");
```

```
6  + printf("!!Hello Github!!\n");
```

```
7  }
```

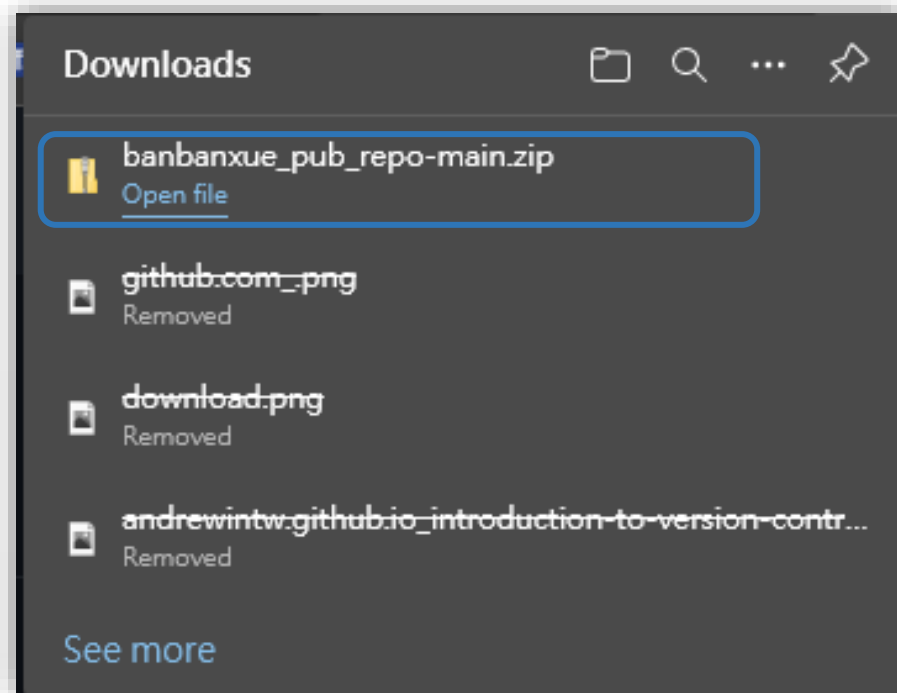


使用指令下載

使用Codespaces開啟

使用Github Desktop開啟

打包成壓縮檔並下載



名稱	修改日期	類型	大小
今天 (1)			
banbanxue_pub_repo-main.zip	2021/5/30 上午 10:40	壓縮的 (zipped) ...	1 KB

練習4

- 將下載下來的壓縮檔解壓縮。
- 將壓縮檔內的 `File1.py` 新增如下程式碼：

```
print("Hello Github", endl="\n")  
os.exit()
```

- 將 `File1.py` 上傳至 Github。

心得分享 & 總結

想說甚麼就說甚麼~

