

Angie

劉老師-資通科技

用HackMD作筆記

MarkDown用法

在左下角?的地方有使用手冊

多使用就會熟悉 不用特別去記

<https://www.casper.tw/development/2019/11/23/ten-mins-learn-markdown/>

標題

## 用井字號註記

項目	內容
1	工具安裝
2	環境安裝
表格用	和-- 組成

可以用連結分享給別人讓他人同時編輯

::: 三個冒號可以將一個區塊用上顏色

```
:::success
要全神關注,努力學習!
:::
```

要全神關注,努力學習!

: 打冒號會有一些emoji可以輸入

LeetCode



```
C++ Java Python Copy Run Playground
1  /**
2   * Definition for singly-linked list.
3   * struct ListNode {
4   *     int val;
5   *     ListNode *next;
6   *     ListNode(int x) : val(x), next(NULL) {}
7   * };
8   */
9
10 void trimLeftTrailingSpaces(string &input) {
11     input.erase(input.begin(), find_if(input.begin(), input.end(), [](int ch) {
12         return !isspace(ch);
13     }));
14 }
15
16 void trimRightTrailingSpaces(string &input) {
17     input.erase(find_if(input.rbegin(), input.rend(), [](int ch) {
18         return !isspace(ch);
19     }).base(), input.end());
20 }
21
```

C++ Java和Python語言

<<會動的演算法>>

Codility\_

**Codility\_**

<https://www.codility.com/>

for企業: 提供面試題目練習, 發mail上機考 (例如104公司的面試)

# Train your coding skills

Discover the ins and outs of coding by taking our hands-on coding lessons. [See all Lessons](#)

**Lesson 1**  
Iterations

📄 READINGS

Easy **BinaryGap**

VIEW **START**

Find longest sequence of zeros in binary representation of an integer.

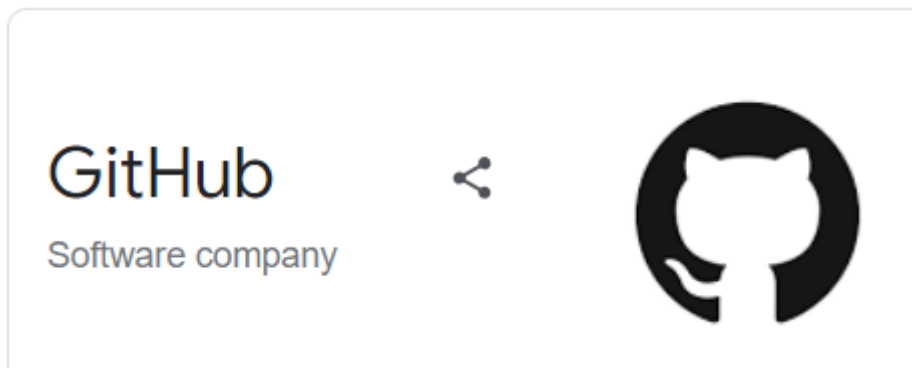
3=11

15=1110

100010100 Binary Gap有三個

**\*\*企業需求:**建立在程式技術上的解決問題的能力, 獨立作業能力

## ##GitHub介紹



綁定google帳號

Dashboard控制台

最左邊 專案庫 中間動態牆 右邊最新消息

右上角 Your repositories 專案列表

Your profile 可以pin專案

**Create a new repository**  
A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

---

*Required fields are marked with an asterisk (\*).*

**Repository template**  

No template ▾

  
Start your repository with a template repository's contents.

---

**Owner \***

mackliu ▾

 / **Repository name \***

test

✔ test is available.

Great repository names are short and memorable. Need inspiration? How about [refactored-disco](#) ?

**Description (optional)**  

PHP基礎教學內容

---

☒ **Public**  
Anyone on the internet can see this repository. You choose who can commit.

☐ **Private**  
You choose who can see and commit to this repository.

---

**Initialize this repository with:**  
☒ **Add a README file**  
This is where you start writing a description for your project. [Learn more about READMEs.](#)

**Add .gitignore**  

.gitignore template: None ▾

  
Choose which files not to track from a list of templates. [Learn more about ignoring files.](#)

**Choose a license**  

License: None ▾

  
A license tells others what they can and can't do with your code. [Learn more about licenses.](#)

---

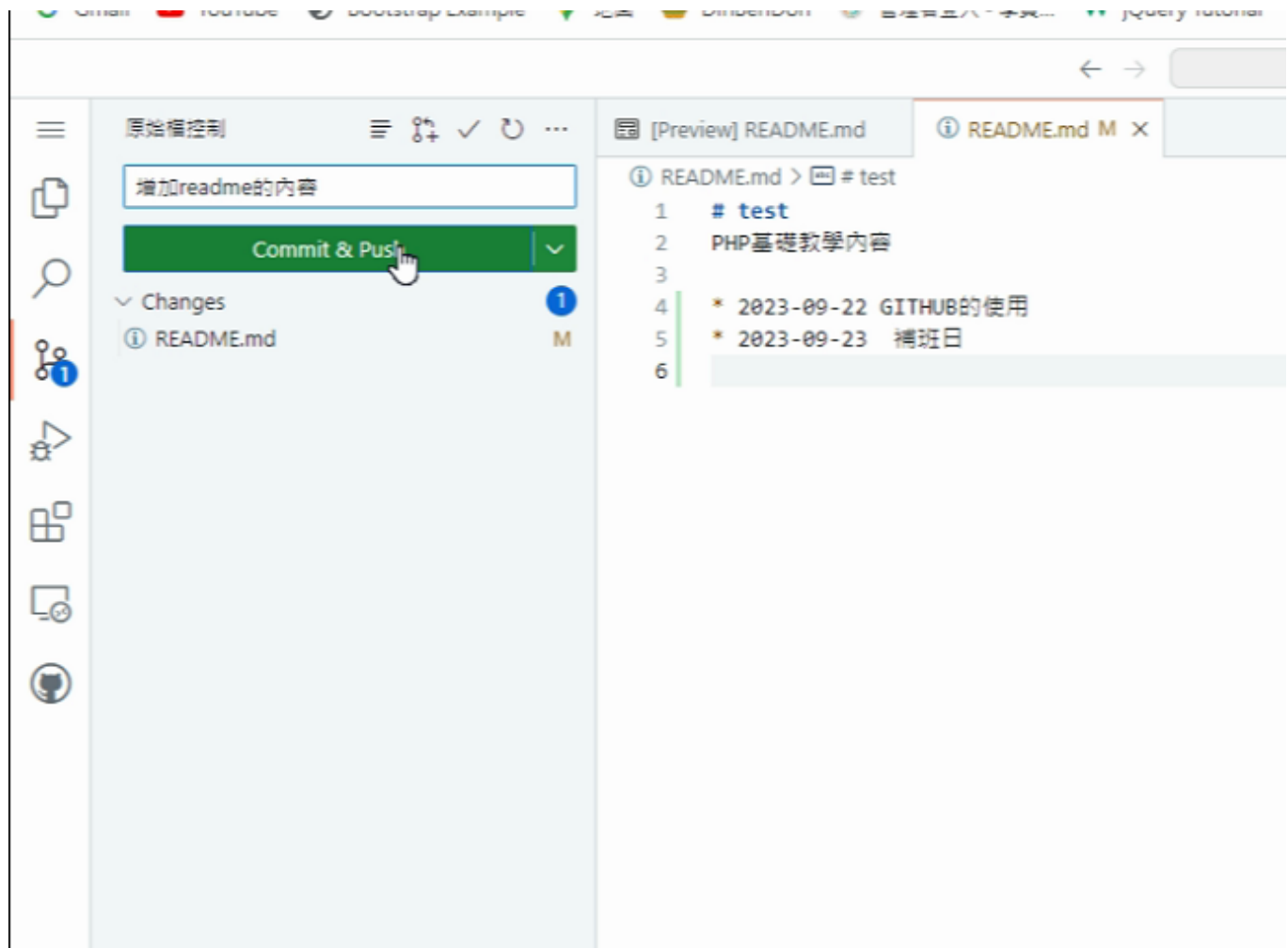
📘 You are creating a public repository in your personal account.

Create repository

VSCode 微軟的 GitHub

在新建的**Repositories**地方按. 會直接轉換成**VSCode**瀏覽器版本

可以新增readme.md筆記，  
操作完再點選左邊 原始檔控制 輸入編輯了什麼再Commit & Push



前往存放庫查看剛剛編輯完上傳的內容

 **testtest** Public

Pin Unwatch 1

main 1 branch 0 tags Go to file Add file Code

 **liya0706s** 增加README內容 8975562 now 2 commits

README.md

增加README內容

now

README.md

# testtest

PHP基礎教學內容

- 2023-09-22 GITHUB的應用
- 2023-09-23 補班日不用上課

## 也可以新增.html檔案

原始檔控制

新增一個index.html檔案

Commit & Push

Changes

index.html

[Preview] README.md

README.md

index.html A X

<> index.html > html > body > table > tr

1 <!DOCTYPE html>

2 <html lang="en">

3 <head>

4 <meta charset="UTF-8">

5 <meta name="viewport" content="width=device-width, initial-scale=1.0">

6 <title>Document</title>

7 </head>

8 <body>

9 <table>

10 <tr>

11 <td>1</td>

12 <td>2</td>

13 <td>3</td>

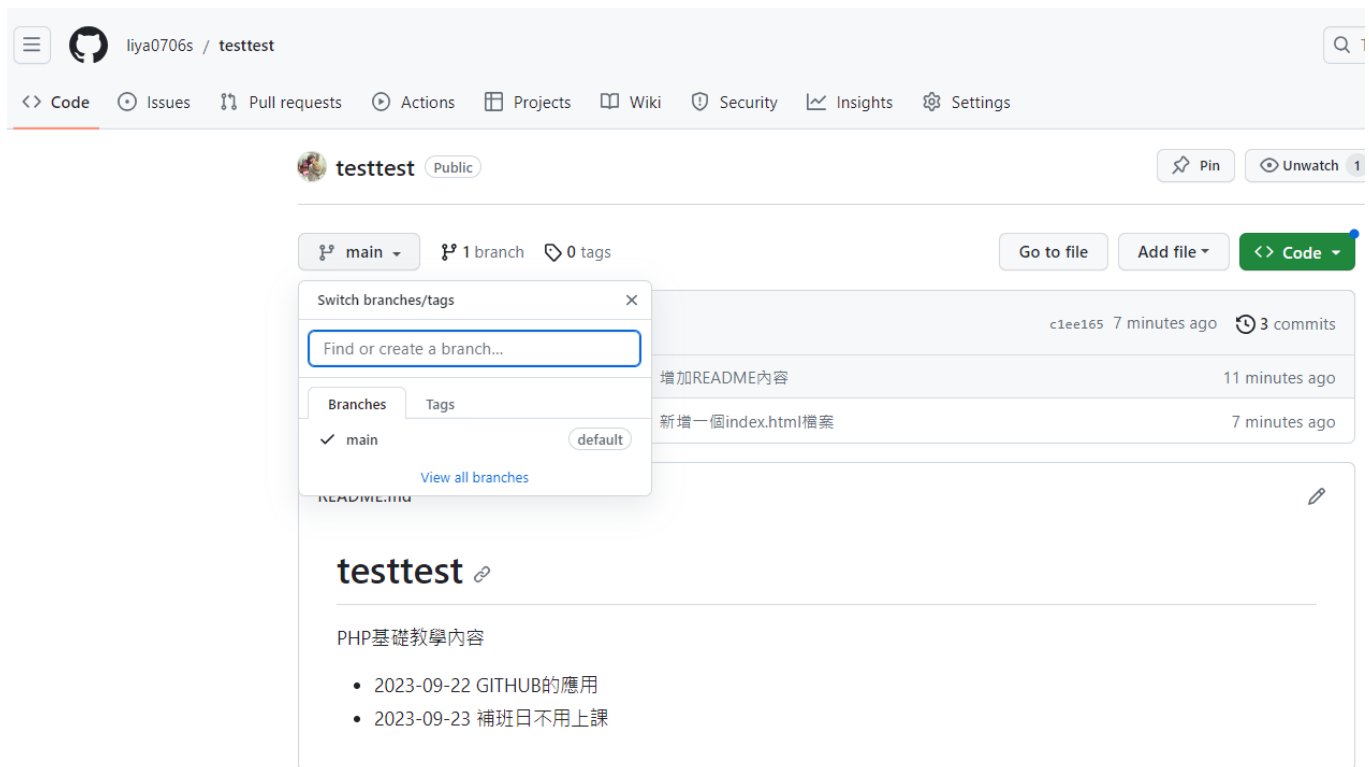
14 </tr>

15 </table>

16 </body>

17 </html>

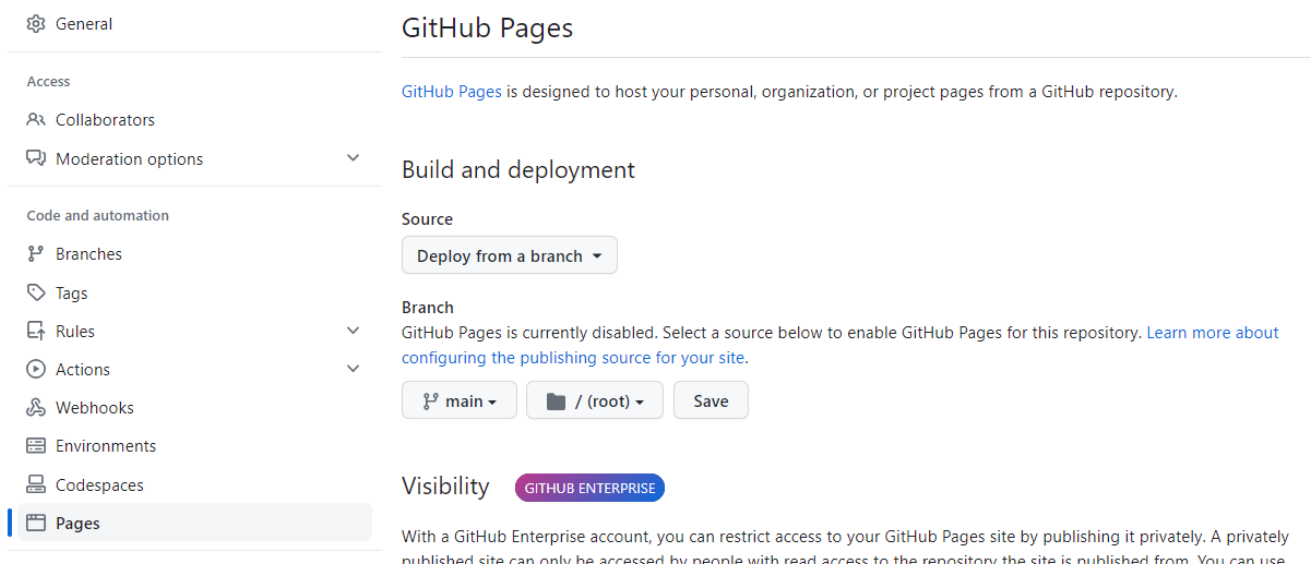
# 開分支Branch



main root save

(為什麼branch是main?)

以前是master, 相對字是slave, 不夠政治正確 (主和次)



更改成功以後會出現一段網址

## GitHub Pages

GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.

Your site is live at <https://liya0706s.github.io/testtest/>

Last deployed by  liya0706s 6 minutes ago

 Visit site

...

直接有一個網頁上的網址

github有給你一個自己的網域

建立一個自己的首頁repository: liya0706s.github.io

不用花錢買空間


liya0706s.github.io

Public

 HTML

<https://liya0706s.github.io/>

網站再還原回github

 qweasd333ee.github.io/a-place-bar-front/#/

 <https://github.com/qweasd333ee/a-place-bar-front>

自修的部分:



## 計算機概論

電機工程學系 于天立

這是專門設計給電機系一年級同學修習的計算機概論課程，其目的在教授計算機科學的基礎技術及知識。同時亦著重C/C++相關程式設計的技巧。最終希望讓同學有足夠的能力修習進階計算機相關課程，以及利用計算機來解...

本課程共 21 講，包含：

**V** 影片檔 21 個 **L** 教材檔 11 個 **R** 參考資料 1 個 **■** 課程回饋

老師另在 Coursera x NTU 開設「人工智慧」課程，歡迎有興趣的學員修習。



點閱  
1,027,320 次  
(6,980 次/本月)

**▼ 單元 1 · Data Storage (1)****V****L****R**



**V** 觀看影音檔1  
**L** 下載講義1  
**R** 下載參考檔1

到以下平台觀看： YouTube

※ 若 YouTube 影片無法觀看，請點選 [NTU Video] 觀看

**V** 內容：Data Storage (1) 下載影音檔 [NTU video]

<http://ocw.aca.ntu.edu.tw/ntu-ocw/ocw/cou/101S210>

台大開放式課程

網路 0與1 AI

# 計算機概論線上課程，超過10個課程幫助你

<https://selflearningsuccess.com/fundamentals-of-computing-courses/>

## git 版本管理

<https://mackliu.github.io/php-book/2021/09/18/dev-tools-04/>

桌機版本/筆電版本

### 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 **23 days ago**, on 2023-08-30.

#### Other Git for Windows downloads

##### Standalone Installer

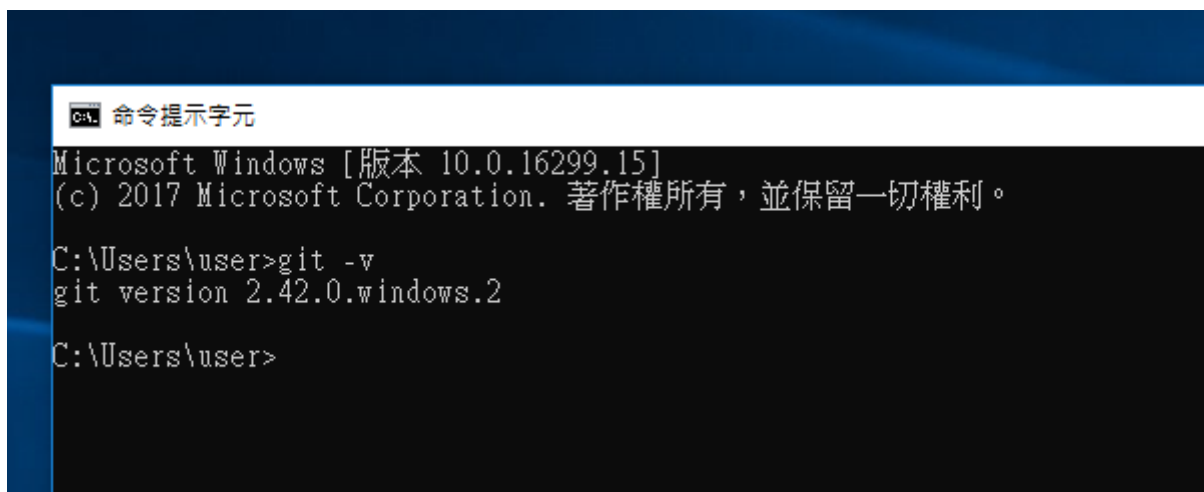
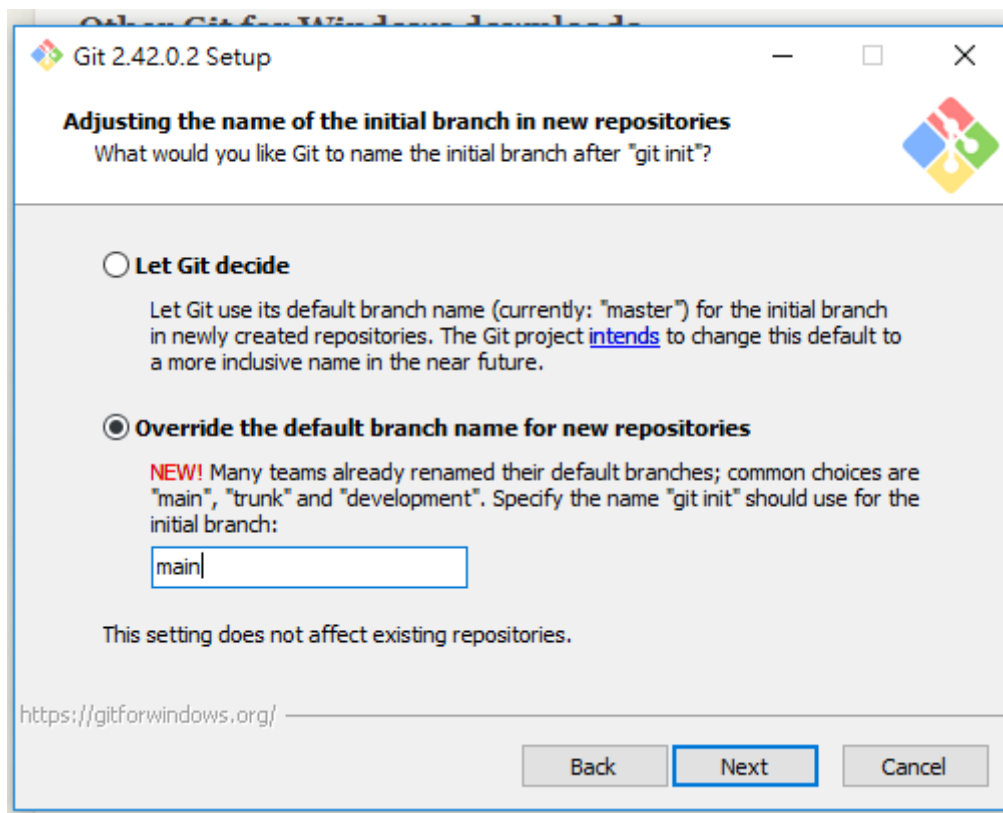
[32-bit Git for Windows Setup.](#)

[64-bit Git for Windows Setup.](#)

##### Portable ("thumbdrive edition")

[32-bit Git for Windows Portable.](#)

[64-bit Git for Windows Portable.](#)



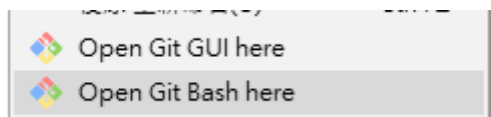
輸入git -v

會顯示下方 即是下載成功

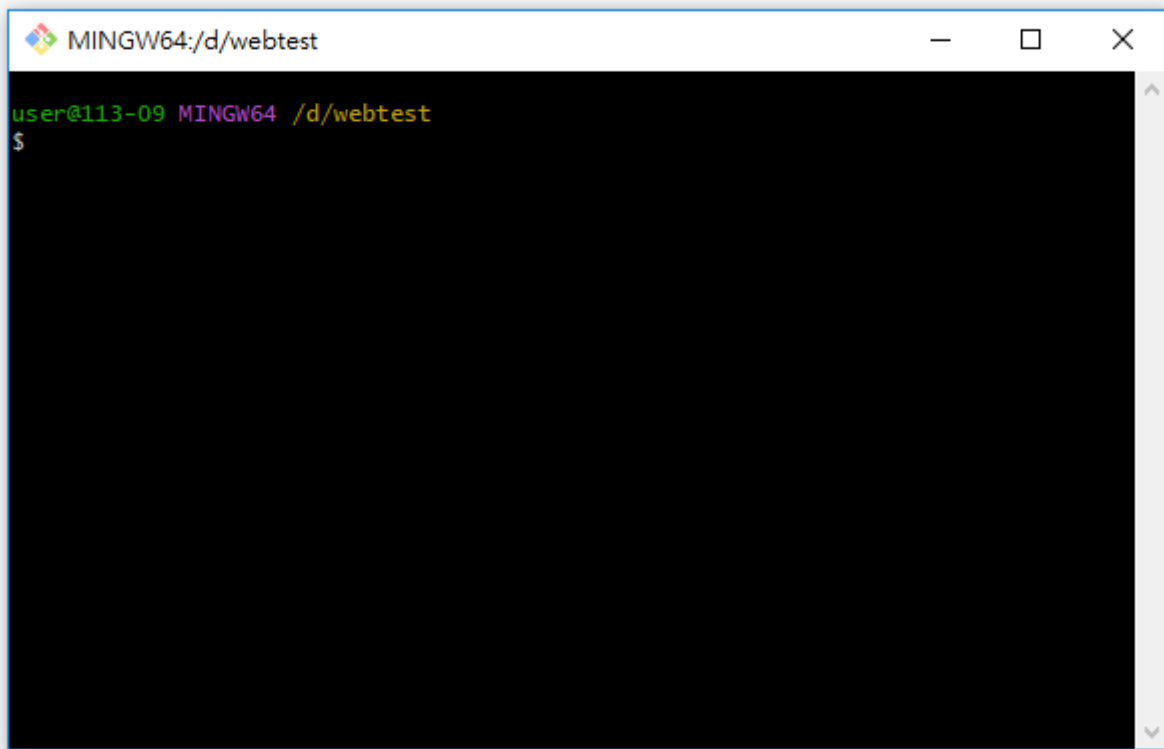
版本管理:以前是VCS(Version Control System)

資料更新 版本合併 和 軟體規模提升

在D槽新增webtest資料夾

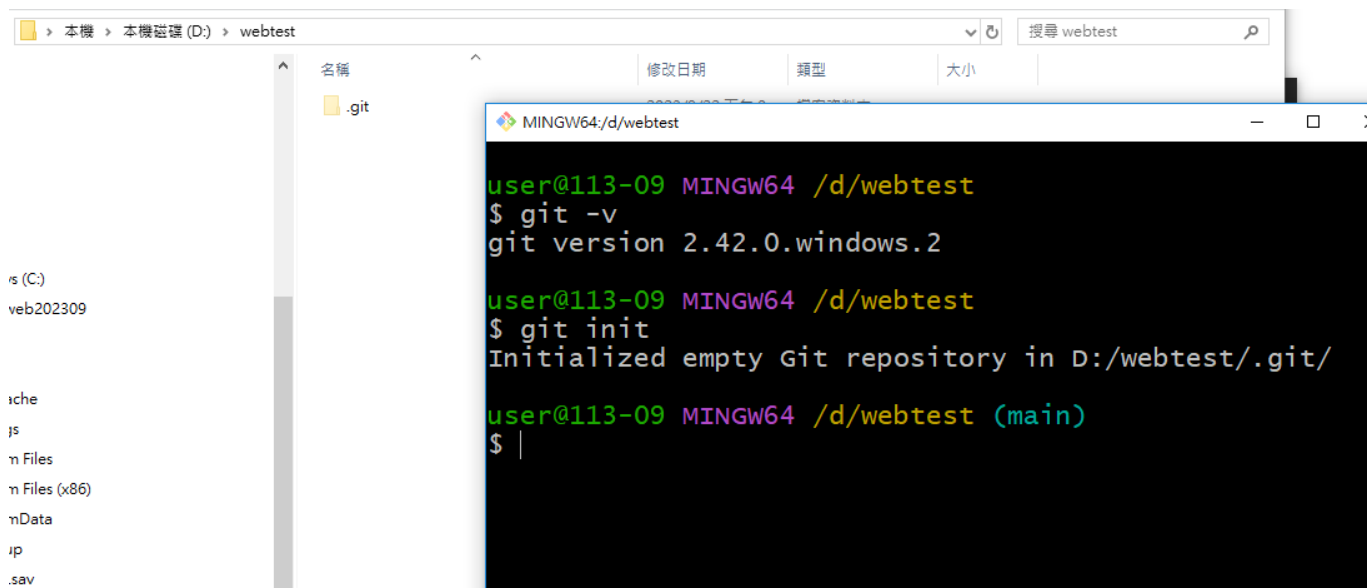


## Git GUI--GitKraken較漂亮使用



bash畫面 Linux??

git 初始化

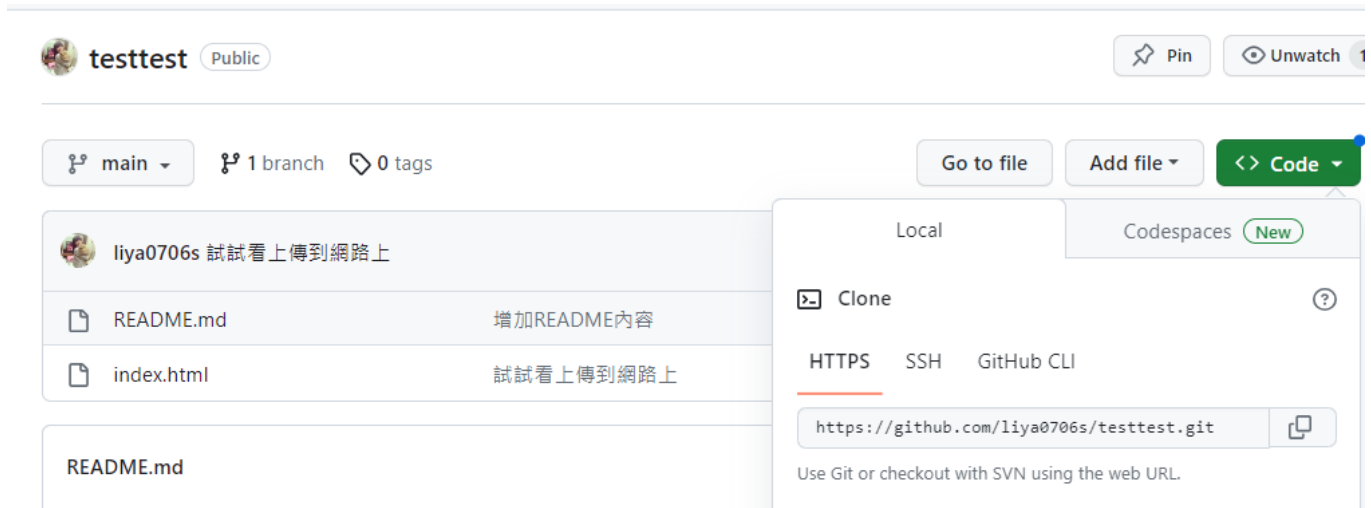


git init 只做第一次

他會出現一個 D:/webtest/.git  
ctrl+滾輪 可以縮小放大畫面大小

錯誤堆疊 很多紅字 不要怕

複製github上的專案連結



git remote add testtest(名稱) 貼上網址



在git上不能用一般的快捷鍵, 要用滑鼠右鍵貼上

```
user@113-09 MINGW64 /d/webtest (main)
$ git remote add testtest https://github.com/liya0706s/testtest.git

user@113-09 MINGW64 /d/webtest (main)
$ git remote -v
testtest      https://github.com/liya0706s/testtest.git (fetch)
testtest      https://github.com/liya0706s/testtest.git (push)

user@113-09 MINGW64 /d/webtest (main)
$
```

git remote -v

遠端叫做testtest; 我的本端資料夾叫做webtest

將遠端東西拉下來到本地端 pull

git pull testtest(名稱)

沒有指定到本地端的什麼地方but did not specify a branch

```
user@113-09 MINGW64 /d/webtest (main)
$ git pull testtest
remote: Enumerating objects: 12, done.
remote: Counting objects: 100% (12/12), done.
remote: Compressing objects: 100% (9/9), done.
remote: Total 12 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (12/12), 2.85 KiB | 162.00 KiB/s, done.
From https://github.com/liya0706s/testtest
* [new branch]      main      -> testtest/main
You asked to pull from the remote 'testtest', but did not specify
a branch. Because this is not the default configured remote
for your current branch, you must specify a branch on the command line.

user@113-09 MINGW64 /d/webtest (main)
$ git pull testtest main
From https://github.com/liya0706s/testtest
* branch            main      -> FETCH_HEAD
```

git pull testtest main (終端機端的檔案 branch)

> webtest >					搜尋 v
名稱	修改日期	類型	大小		
.git	2023/9/22 下午 0...	檔案資料夾			
index.html	2023/9/22 下午 0...	Chrome HTML D...	1 KB		
README.md	2023/9/22 下午 0...	Markdown 來源...	1 KB		

## 程式碼同步-拉回與推送

- pull 拉回

要注意的是，拉回這個動作指的是把遠端節點的某個分支內容拉回到我本機上當前的分支；

比如：遠端的分支是master，而本地目前是在home的分支上，那麼拉回的內容就會直接把遠端master分支的內容放在本地home的分支上；因此在做拉回動作時，要先確認一下本地的分支和遠端要拉回的分支是否一致。

```
1 git pull 遠端節點名稱 遠端分支名稱 - 把專案從遠端的倉庫拉回來
```

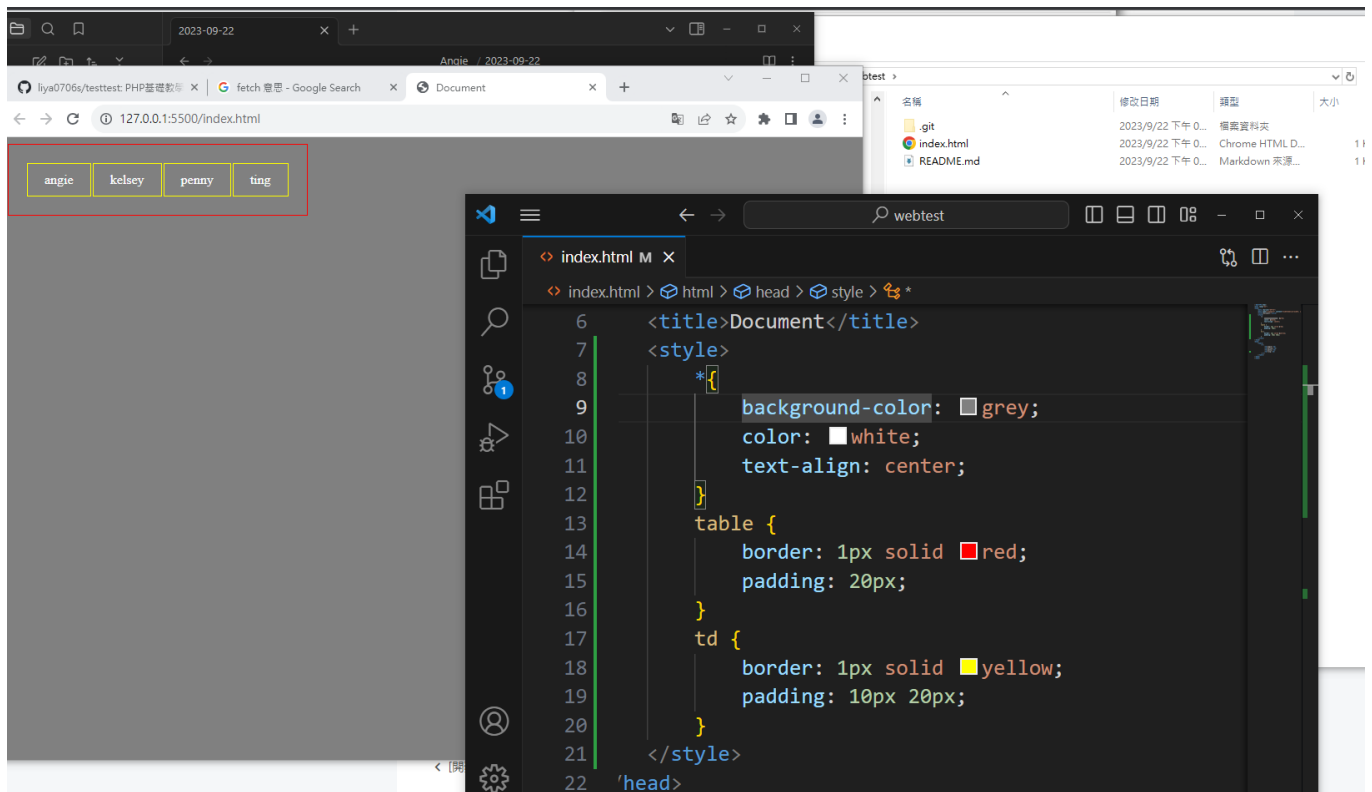
在資料夾中開啟code

css練習 \* 代表all

在head中插入style

```
7 <style>
8   *{
9       background-color: grey;
10  }
11 </style>
```

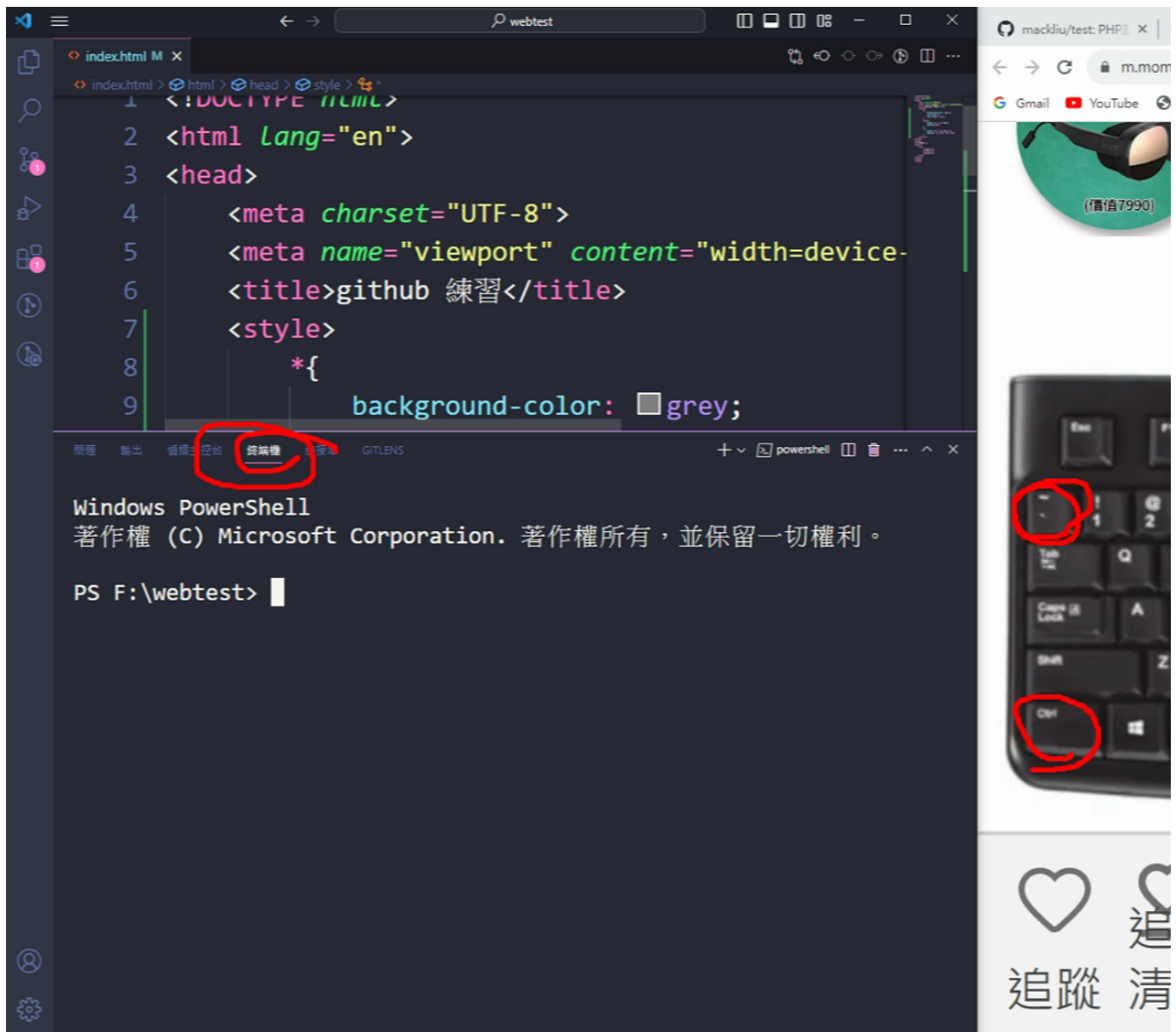
本地端的VSCode 結果和網路github的不一樣



網路上github用線上瀏覽器vscode



## 開啟終端機功能 ctrl + 上引號



The image shows a screenshot of a Windows environment. On the left, the Visual Studio Code (VS Code) editor is open, displaying an HTML file named 'index.html'. The code in the editor is as follows:

```
1 <!DOCTYPE html>
2 <html Lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-
6   <title>github 練習</title>
7   <style>
8     *{
9       background-color: grey;
```

Below the editor, the 'Terminal' tab is active, showing a 'Windows PowerShell' window. The terminal displays the command prompt 'PS F:\webtest>'. A red circle highlights the 'Terminal' button in the bottom toolbar of VS Code.

To the right of the VS Code window, a portion of a black keyboard is visible. The 'Ctrl' key is circled in red. Below the keyboard, there are two icons: a heart icon and a circular arrow icon, with the text '追蹤' (Follow) and '清除' (Clear) respectively.

## 紅色尚未被改過

```
PS D:\webtest> git status
On branch main
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   index.html

no changes added to commit (use "git add" and/or "git commit -a")
PS D:\webtest> git add .
PS D:\webtest> git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   index.html

PS D:\webtest> █
```

git add . (.代表全部做過修改的,增加到git控管)

git status (查看狀態)

git commit -m ""

(完整流程確認後 讓人家看的到有新增任務123的內容)

git remote -v

git log (查看commit過的內容)

git commit -m "增加了CSS的美化" (message的意思)

```
PS D:\webtest> git commit -m "增加了CSS的美化"
Author identity unknown
```

\*\*\* Please tell me who you are.

Run

```
git config --global user.email "you@example.com"
git config --global user.name "Your Name"
```

to set your account's default identity.

Omit --global to set the identity only in this repository.

```
[~] config-env=<name>=<envvar>] <command> [<args>]
PS D:\webtest> git config --global user.name "Angie"
PS D:\webtest> git config --global user.email "liya0706s@gmail.com"
PS D:\webtest> git config --global -l
core.editor="C:\Users\user\AppData\Local\Programs\Microsoft VS Code\bin\code" --wait
user.name=Angie
user.email=liya0706s@gmail.com
PS D:\webtest> █
```

按照上面說明輸入自己的名字和信箱

git log看commit過的內容

```
PS F:\webtest> git log
commit a699c622d0e48976c95ed522bc10ffeca44d4f97 (HEAD -> main)
Author: kai <cgk0910@gmail.com>
Date:   Fri Sep 22 14:28:08 2023 +0800
```

增加了CSS的美化

```
commit f3568598468f513a7c17d704f81344379d7b0a33 (test/main)
Author: 412155073 <macklun@gmail.com>
Date:   Fri Sep 22 10:50:54 2023 +0800
```

```
PS D:\webtest> git log
commit 5641066f6ddb268774c85a90edc420e4915229c7 (HEAD -> main, testtest/main)
Author: Angie Lee <127461403+liya0706s@users.noreply.github.com>
Date:   Fri Sep 22 10:55:04 2023 +0800
```

試試看上傳到網路上

```
commit c1ee1654736d6878b91c93a2f246cb279f03a824
Author: Angie Lee <127461403+liya0706s@users.noreply.github.com>
Date:   Fri Sep 22 10:34:01 2023 +0800
```

新增一個index.html檔案

```
commit 89755627250ad0ff6f2cccbdf7f467aa3ecc458e
Author: Angie Lee <127461403+liya0706s@users.noreply.github.com>
Date:   Fri Sep 22 10:29:55 2023 +0800
```

空白鍵 看更多, 按Q離開

```
commit 5641066f6ddb268774c85a90edc420e4915229c7 (HEAD -> main, testtest/main)
Author: Angie Lee <127461403+liya0706s@users.noreply.github.com>
Date:   Fri Sep 22 10:55:04 2023 +0800
```

試試看上傳到網路上

```
commit c1ee1654736d6878b91c93a2f246cb279f03a824
Author: Angie Lee <127461403+liya0706s@users.noreply.github.com>
Date:   Fri Sep 22 10:34:01 2023 +0800
```

新增一個index.html檔案

```
commit 89755627250ad0ff6f2cccbdf7f467aa3ecc458e
Author: Angie Lee <127461403+liya0706s@users.noreply.github.com>
Date:   Fri Sep 22 10:29:55 2023 +0800
```

增加README內容

```
commit 251599b7863cc4d634299526256cec77c97ca88c
:
```

git add .

git commit -m ""

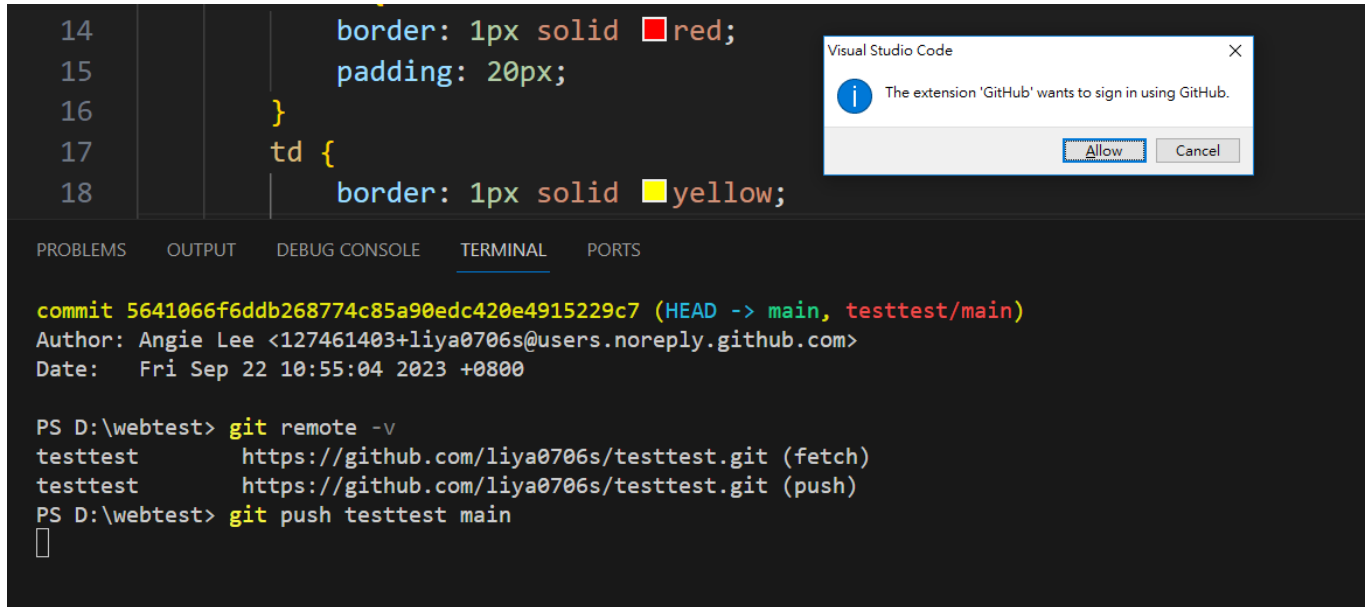
一天中會很打多次

但是 git pull

git push 可能一天就一兩次

```
user@113-09 MINGW64 /d/webtest (main)
$ git remote -v
testtest      https://github.com/liya0706s/testtest.git (fetch)
testtest      https://github.com/liya0706s/testtest.git (push)
```

(確定遠端的節點) 拿取跟推的位置


The screenshot shows the Visual Studio Code interface. The editor window displays CSS code for a table cell (td) with a red border and yellow background. The terminal window shows the output of the 'git remote -v' command, confirming the remote repository 'testtest' is set up correctly. A dialog box from the GitHub extension is also visible, asking for sign-in permission.

```
14 border: 1px solid red;
15 padding: 20px;
16 }
17 td {
18 border: 1px solid yellow;

commit 5641066f6ddb268774c85a90edc420e4915229c7 (HEAD -> main, testtest/main)
Author: Angie Lee <127461403+liya0706s@users.noreply.github.com>
Date: Fri Sep 22 10:55:04 2023 +0800

PS D:\webtest> git remote -v
testtest      https://github.com/liya0706s/testtest.git (fetch)
testtest      https://github.com/liya0706s/testtest.git (push)
PS D:\webtest> git push testtest main
```

出現視窗要將github帳密連結vscode

The screenshot shows a terminal window with the following commands and output:

```
PS D:\webtest> git remote -v
testtest      https://github.com/liya0706s/testtest.git (fetch)
testtest      https://github.com/liya0706s/testtest.git (push)
PS D:\webtest> git push testtest main
Everything up-to-date
PS D:\webtest> git add .
PS D:\webtest> git commit -m "改變背景顏色"
[main f1ecf81] 改變背景顏色
1 file changed, 16 insertions(+)
```

將git push上去到遠端testtest main

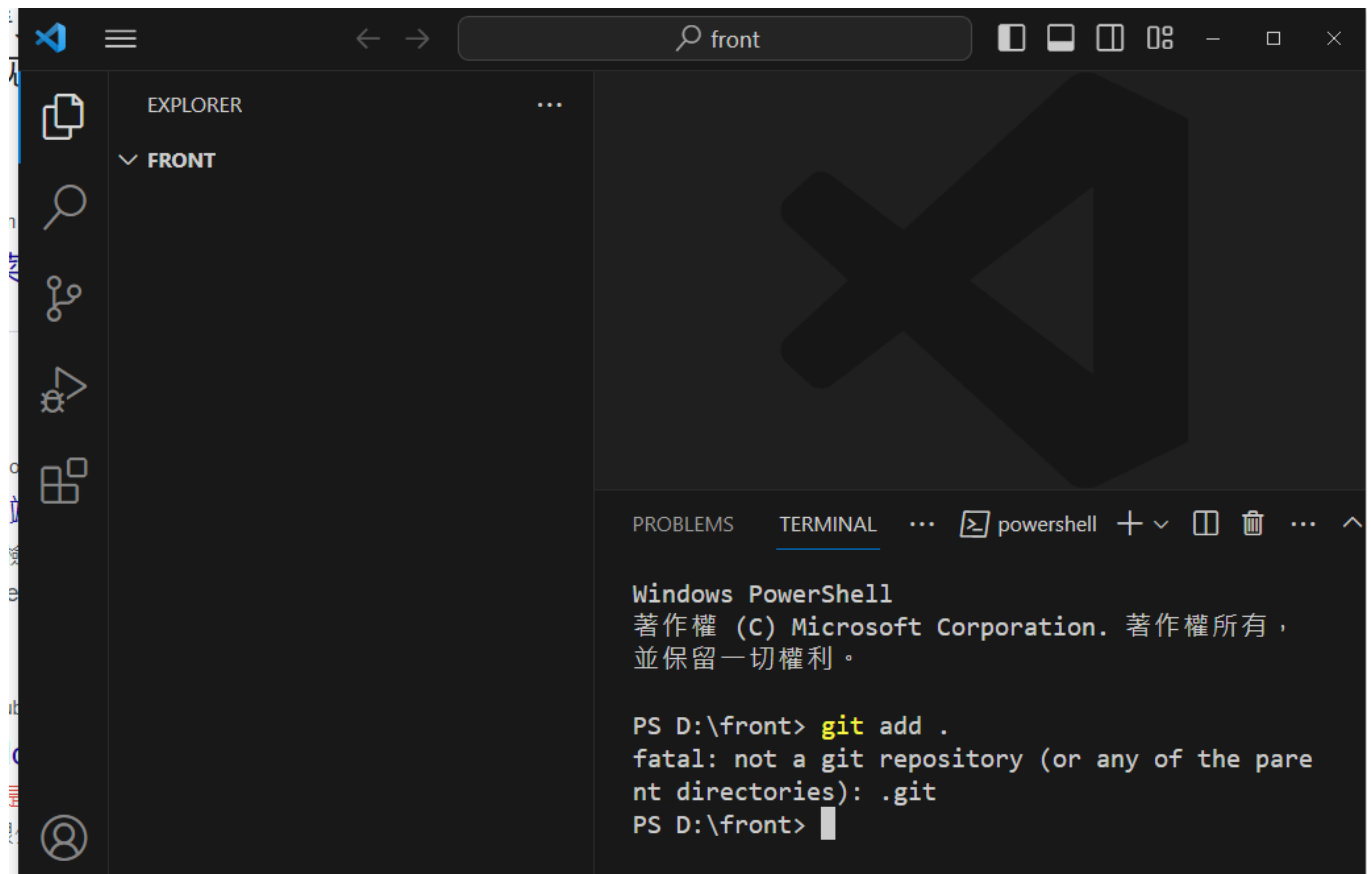
```
PS D:\webtest> git add .
PS D:\webtest> git commit -m "改變背景顏色"
[main f1ecf81] 改變背景顏色
1 file changed, 16 insertions(+)
PS D:\webtest> git log
commit f1ecf81c717d555ca1aee29d2748b9364c816e85 (HEAD -> main)
Author: Angie <liya0706s@gmail.com>
Date: Fri Sep 22 15:29:07 2023 +0800

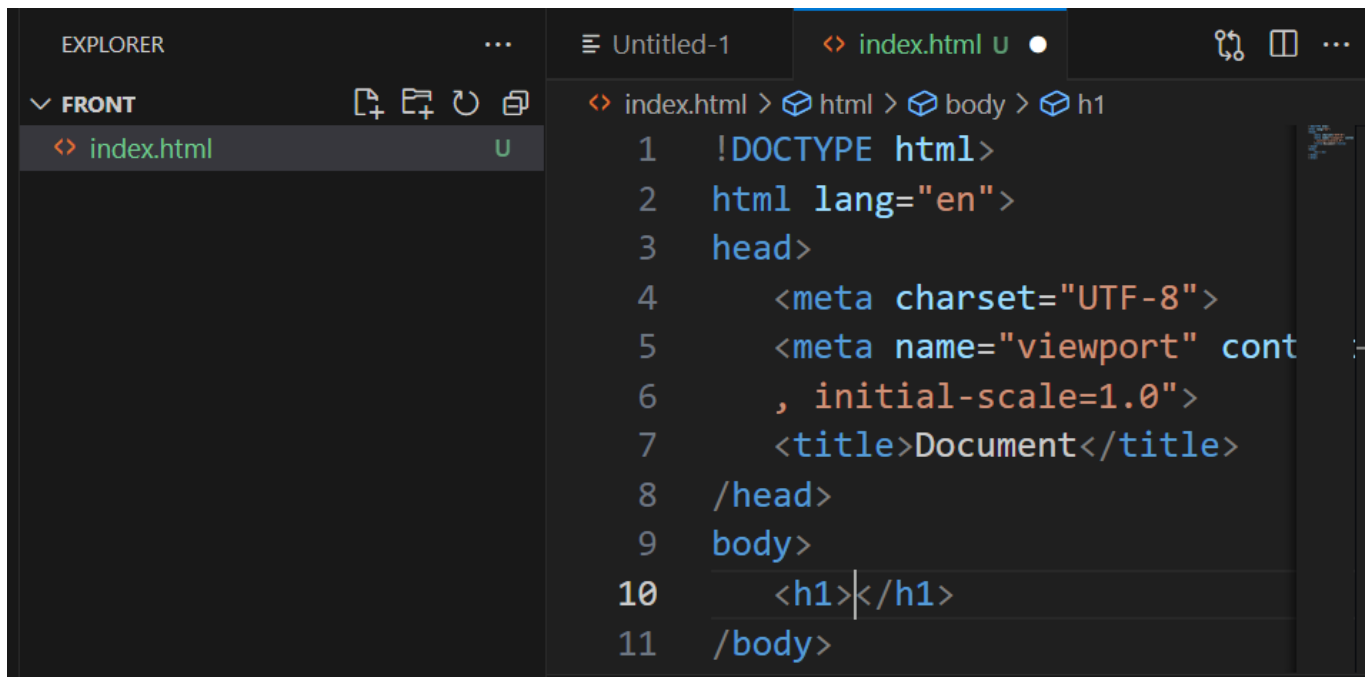
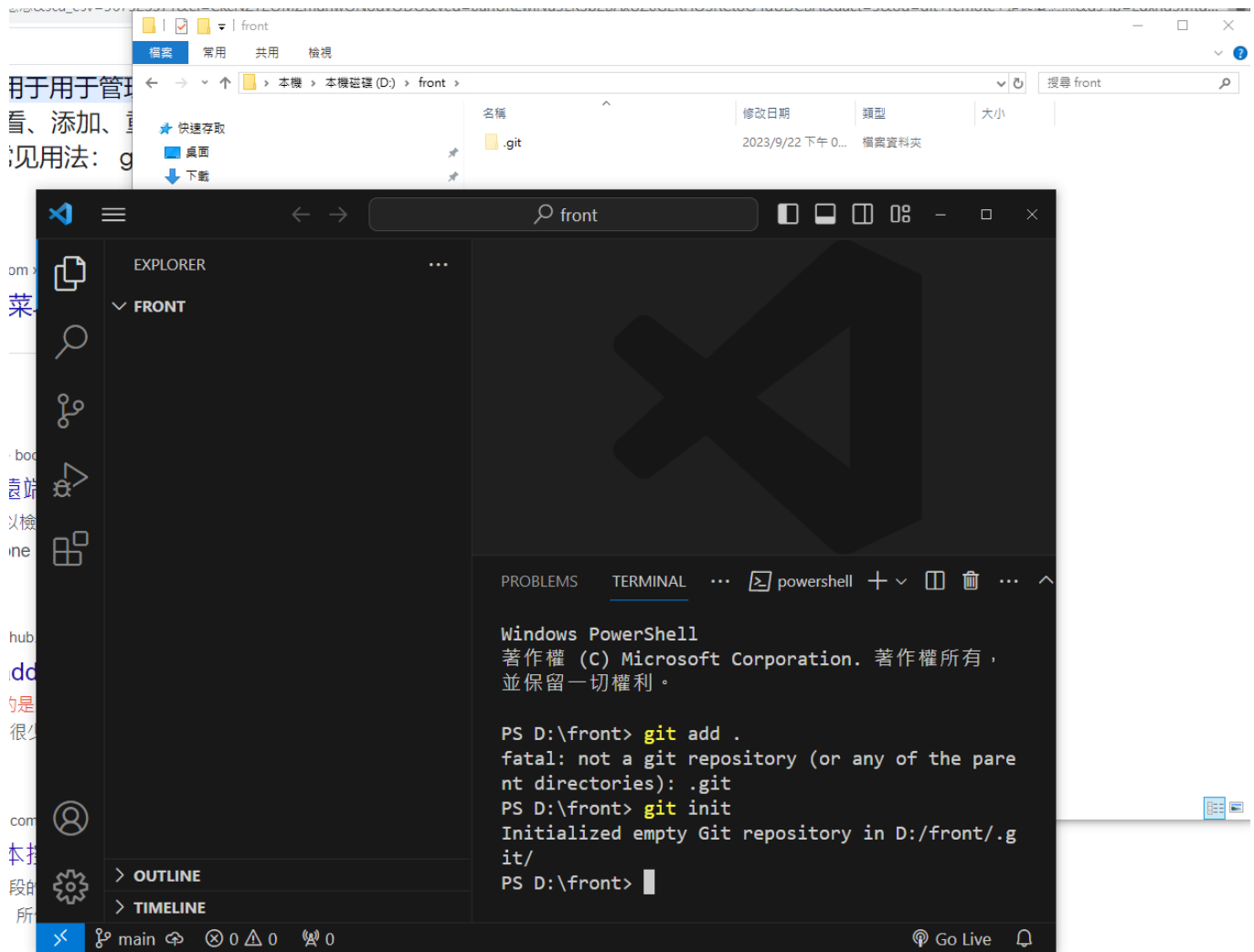
    改變背景顏色
```

將確認log內容 push上去

```
commit c1ee1654736d6878b91c93a2f246cb279f03a824
PS D:\webtest> git push testtest main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 602 bytes | 602.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/liya0706s/testtest.git
5641066..f1ecf81 main -> main
PS D:\webtest> █
```

## 新增front資料夾





綠色U=unchecked file



**git add .** 本地端git管理也可以用 不一定要連上遠端github  
git add . 之後U會變成A