

GIT chapter 3

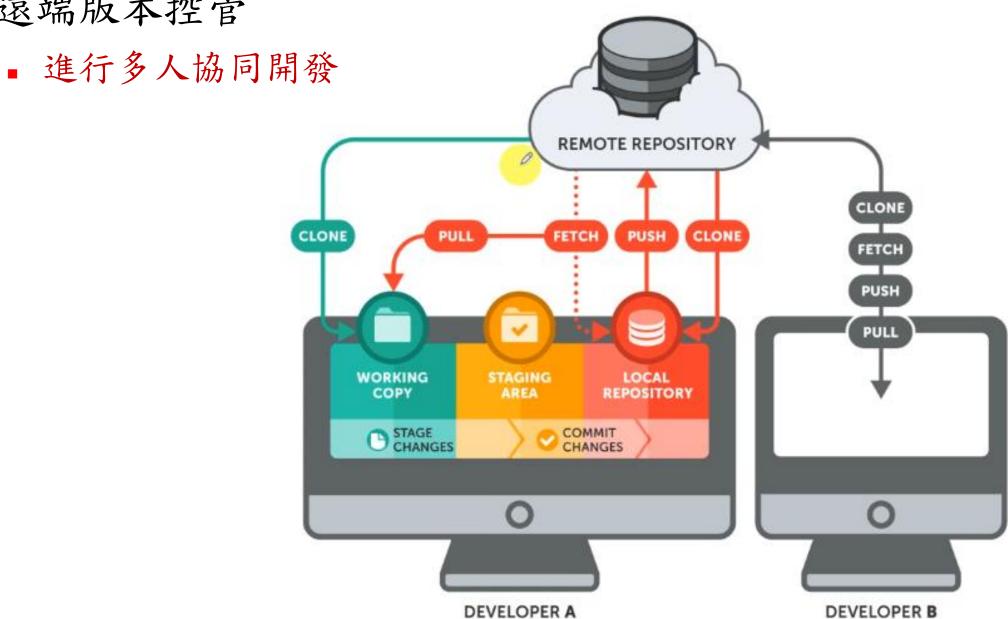
- github
- git remote/push
- markdown/ .gitignore



GIT remote

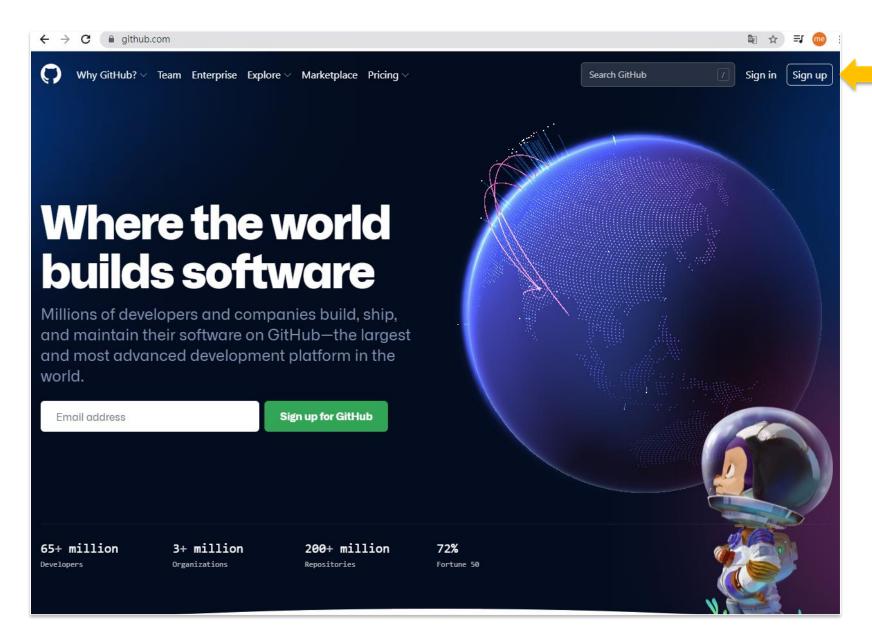
- 遠端版本控管服務器
- 建立遠端倉庫
- · 進行同步(push/pull)

• 遠端版本控管



■ 申請網址 <u>https://github.com/</u>

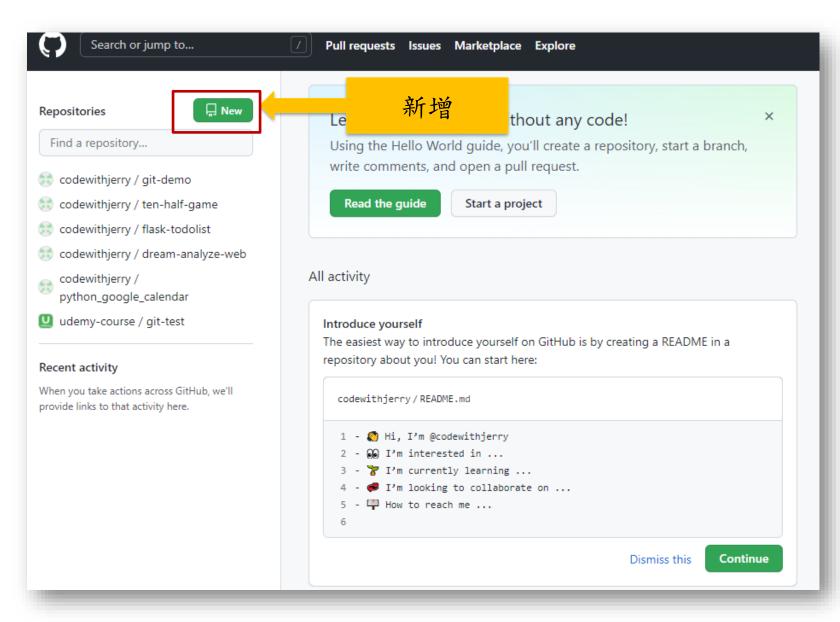




建立帳號

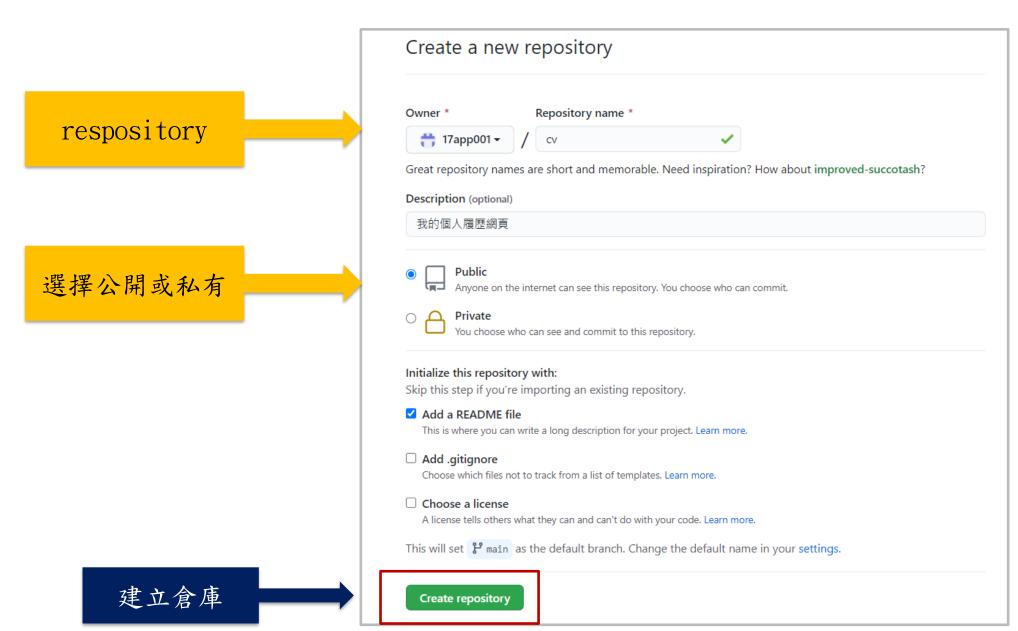
• 建立遠端倉庫位置





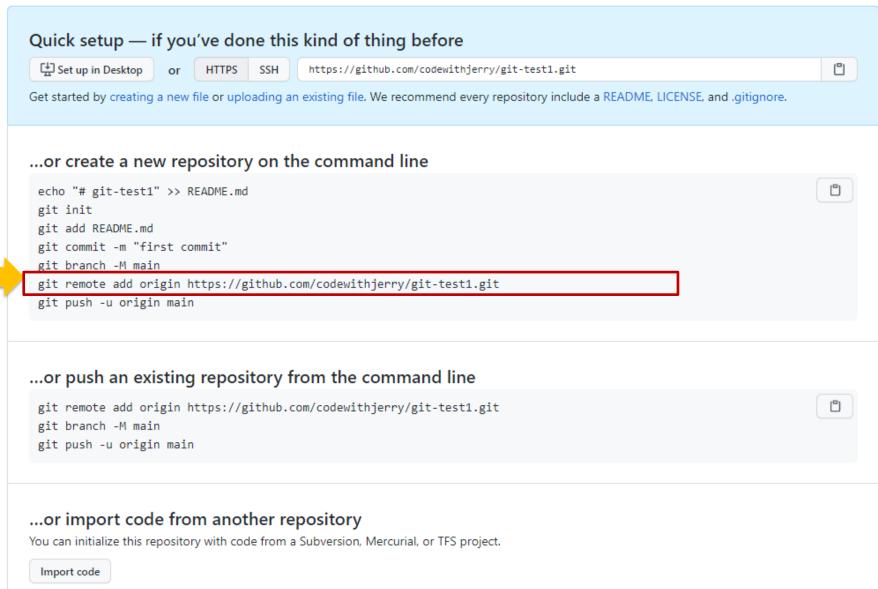
create a new repository





• 上傳用等資訊





remote url 遠端倉庫位址 ■ 加入遠端倉庫位置

- git remote add origin
 - https://github.com/你的帳號名稱/xxxx.git

```
[core]
    repositoryformatversion = 0
    filemode = false
    bare = false
    logallrefupdates = true
    symlinks = false
    ignorecase = true
[remote "origin"]
    url = https://github.com/codewithjerry/git-test1.git
    fetch = +refs/heads/*:refs/remotes/origin/*
```

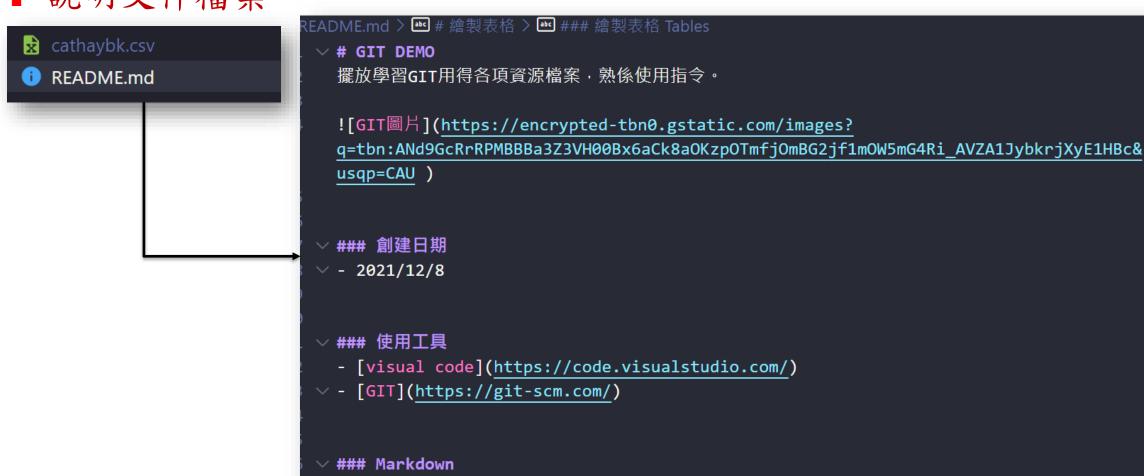
遠端倉庫地 址



git push

push之前

- 新增README. md
- 說明文件檔案



參考資料

- git push遠端推送
 - git push –u origin master
 - origin (起源)倉儲
 - master 主分支

推送到origin 的master分支 第二次後可以使 用git push即可

本地端master跟 遠端同步

PS D:\GoogleDrive\教學文件\Git\chapter4\sourcecode\merge> git log commit 24ad0acc90686f058cfd91ad3f8e40d4913485f6 (HEAD -> master, origin/master) Author: codewithjerry <codewithjerry1@gmail.com> Fri Sep 17 13:28:16 2021 +0800 Date: modify test1 commit db216df3bd15aaf90aa2fb8c39dd645e07f1bc1e Author: Jerry Chen <codewithjerry1@gmail.com> Date: Fri Sep 17 09:17:01 2021 +0800 add test2.txt commit fe07ba776a4690aceec031a3ec09afeec0849575 Author: Jerry Chen <codewithjerry1@gmail.com> Date: Fri Sep 17 09:17:28 2021 +0800 add test3.txt

• push成功後

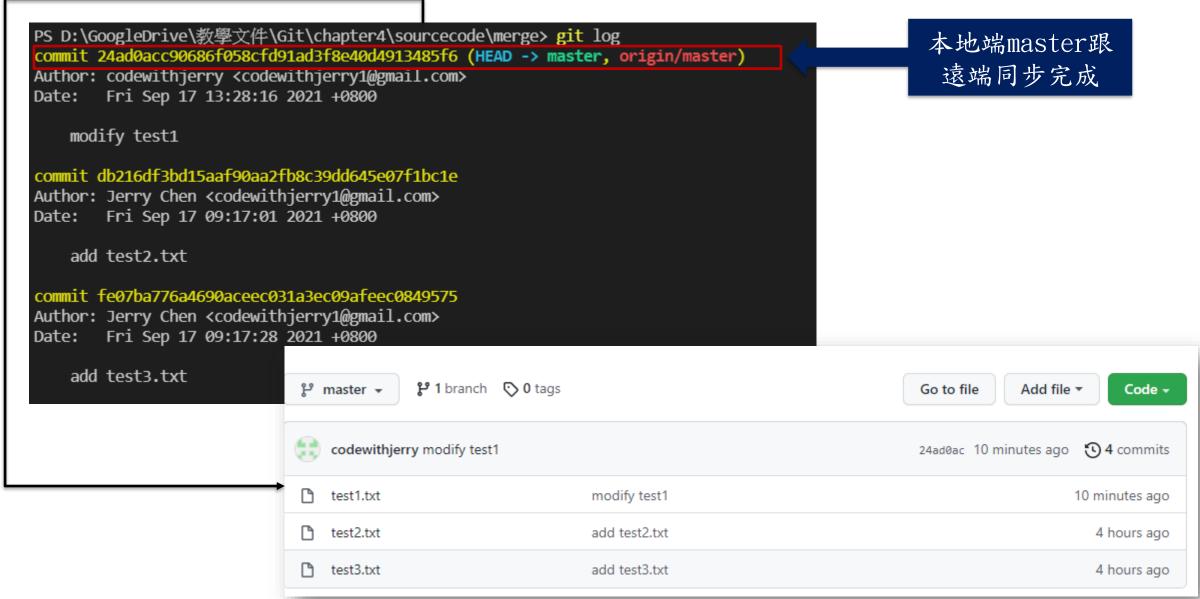
■ 新增remote相關訊息

```
config
[core]
    repositoryformatversion = 0
    filemode = false
    bare = false
    logallrefupdates = true
    symlinks = false
    ignorecase = true
[gui]
    wmstate = normal
    geometry = 1053x539+96+96 228 244
[remote "origin"]
    url = https://github.com/codewithjerry/git-test1.git
    fetch = +refs/heads/*:refs/remotes/origin/*
[branch "master"]
    remote = origin
    merge = refs/heads/master
```



■同步指向最新的commit







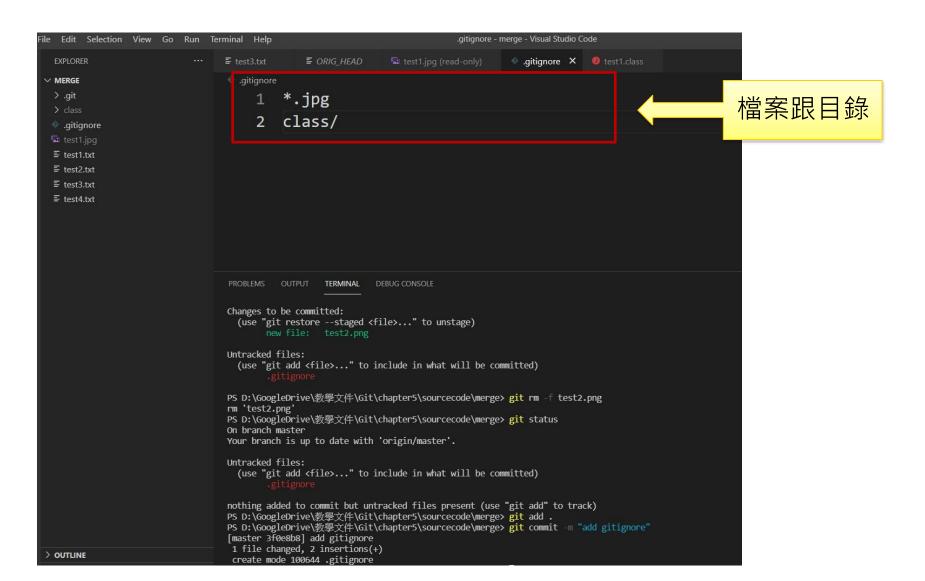
使用.gitignore

加入不需要控管的檔案 新增.gitignore

■ 使用.gitignore



■ 排除不要加入控管的檔案(*. jpg , *. png images/..)



github搜尋gitignore



← → C (a) github.com/github/gitignore/blob/master/Python.gitignore	
gg., gg.,	
<> Code \$\mathbb{1}\$ Pull requests 311	
	misimum and / Dush an misimum and
\$ master ▼ gitignore / Python.gitignore	
pradyunsg Remove pip-wheel-metadata/ from Python.gitignore (#3364)	
Ax 83	3 contributors 🕙 🚱 😨 🧿 🚭 👰 🚳 💣 🚳 📵 160
138 1	lines (112 sloc) 1.99 KB
1	# Byte-compiled / optimized / DLL files
2	pycache/
	*.py[cod]
4	*\$py.class
5	
6	# C extensions
7	*.50
8	
9	# Distribution / packaging
10	.Python
11	build/
12	develop-eggs/
13	dist/
14	downloads/
15	eggs/
16	.eggs/

■ 使用python-gitignore



將被忽略

```
> _pycache_
                                         # Byte-compiled / optimized / DLL files
> .git
                                         __pycache__/
.gitignore
                                         *.py[cod]

    dev1.txt

                                         *$py.class
guess_game.py
≡ test1.txt
                                     5

    test2.txt
                                         # C extensions

    test3.txt
                                         *.SO
                                     8
                                         # Distribution / packaging
                                    10
                                         .Python
                                         build/
                                    11
                                         develop-eggs/
                                    12
                                         dist/
                                    13
                                    14
                                         downloads/
                                    15
                                         eggs/
                                    16
                                         .eggs/
                                         lib/
                                         lib64/
                                    18
                                         parts/
                                    19
                                         sdist/
                                    20
                                    21
                                         var/
```

■ 如果使用git commit --amend

- 推送時需要使用git push [origin master] f
- -f(force)強制更新遠端

```
! [rejected] master -> master (non-fast-forward)
error: failed to push some refs to 'https://github.com/17app001/git-demo.git'
hint: Updates were rejected because the tip of your current branch is behind
hint: its remote counterpart. Integrate the remote changes (e.g.
hint: 'git pull ...') before pushing again.
Writing objects: 100% (5/5), 4.06 KiB | 2.03 MiB/s, done.
Total 5 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/17app001/git-demo.git
+ 908efbd...38c2af6 master -> master (forced update)

C:\Users\Jerry\OneDrive\\maxim \overline{\maxim}\Django\git\demo>\[ \]
```



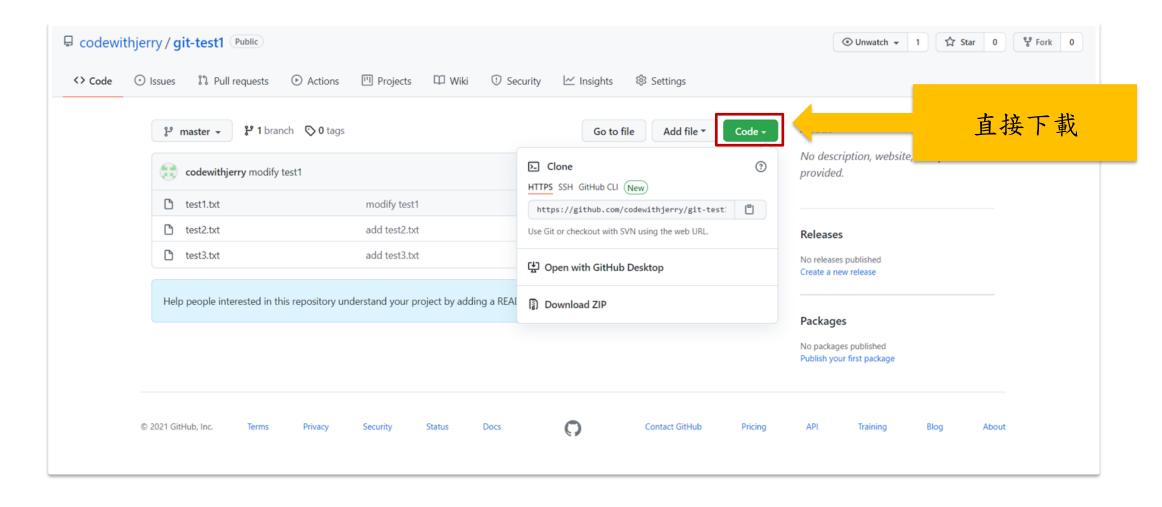
git clone

複製專案方法

■ 直接從github檔案下載



■ clone沒有權限設定,只要專案是公開的都可以進行複製,<mark>唯獨寫</mark> (push)需要帳號跟密碼及.git資訊



■ 使用git clone指令

需要帳密

- https://github.com/你的帳號名稱/xxxxxxx
- 會在該路徑內新增專案名稱目錄



```
commit_24ad0acc90686f058cfd91ad3f8e40d4913485f6 (HEAD -> master, origin/master,
origin/HEAD)
Author: codewithjerry <codewithjerry1@gmail.com>
Date:
       Fri Sep 17 13:28:16 2021 +0800
   modify test1
commit db216df3bd15aaf90aa2fb8c39dd645e07f1bc1e
Author: Jerry Chen <codewithjerry1@gmail.com>
       Fri Sep 17 09:17:01 2021 +0800
Date:
   add test2.txt
commit fe07ba776a4690aceec031a3ec09afeec0849575
Author: Jerry Chen <codewithjerry1@gmail.com>
Date: Fri Sep 17 09:17:28 2021 +0800
   add test3.txt
commit f0a4194001e5b9b937d82d4a44090ea4ff5c1684
Author: Jerry Chen <codewithjerry1@gmail.com>
Date: Fri Sep 17 09:15:41 2021 +0800
   1st commit
```



```
|erry@DESKTOP-E7K1RS1 MINGW64 ~/OneDrive/桌面/django
 git clone https://github.com/17app001/git-demo
Cloning into 'git-demo'...
emote: Enumerating objects: 73, done.
emote: Counting objects: 100% (73/73), done.
remote: Compressing objects: 100% (39/39), done.
emote: Total 73 (delta 13), reused 66 (delta 11), pack-reused 0
Receiving objects: 100% (73/73), 6.75 KiB | 531.00 KiB/s, done.
Resolving deltas: 100% (13/13), done.
                                         > django > git-demo

夕 搜尋 git-demo

Jerry@DESKTOP-E7K1RS1 MINGW64 ~/O
                                           □ 名稱
                                                                 修改日期
                                                                2021/12/8 下午 02:43
                                            igit 🚞
                                                                            檔案資料夾
                                            1.py
                                                                2021/12/8 下午 02:43 Python 來源檔案
                                                                                          1 KB
                                            1.txt
                                                                2021/12/8 下午 02:43 文字文件
                                                                                          1 KB
                     完整檔案結
                                            2.txt
                                                                2021/12/8 下午 02:43 文字文件
                                                                                          1 KB
                    構(包含. git)
                                            3.txt
                                                                2021/12/8 下午 02:43 文字文件
                                                                                          1 KB
                                            4.txt
                                                                2021/12/8 下午 02:43 文字文件
                                                                                          1 KB
                                            5.txt
                                                                2021/12/8 下午 02:43 文字文件
                                                                                          1 KB
```



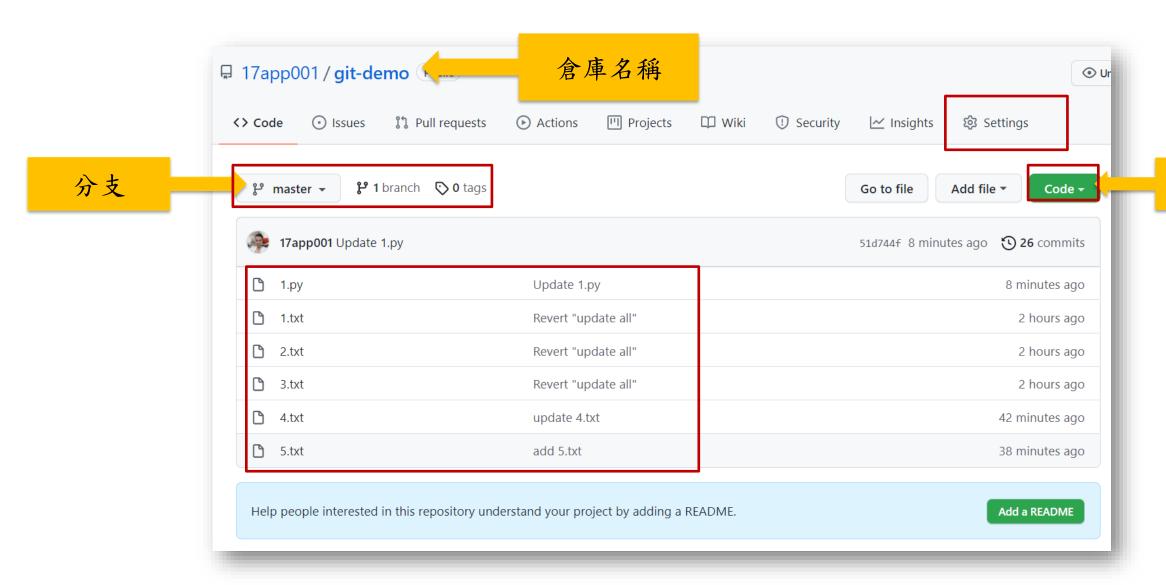
遠端更新檔案

使用github更新檔案

https://github.com/17app001/git-demo

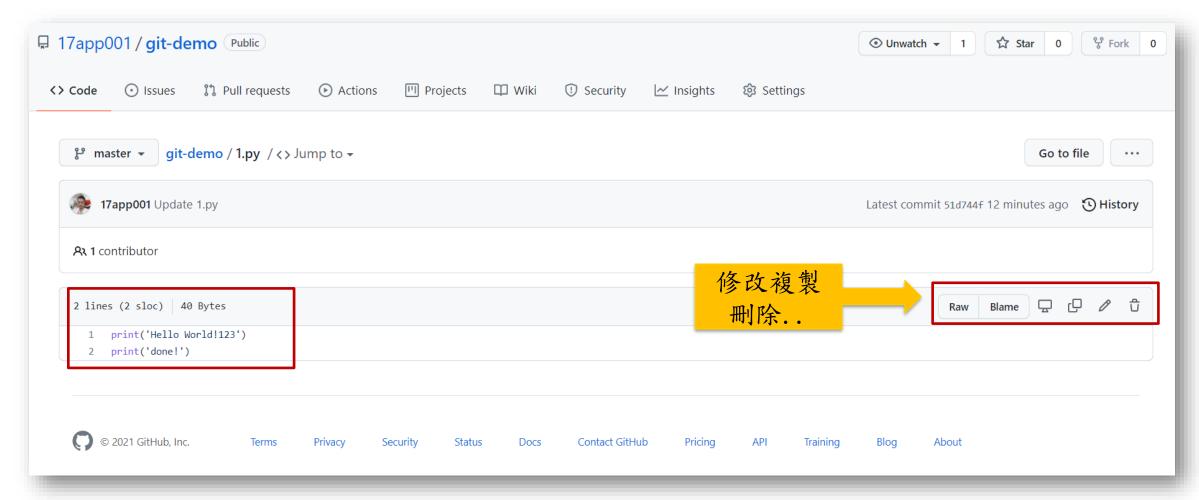


下載

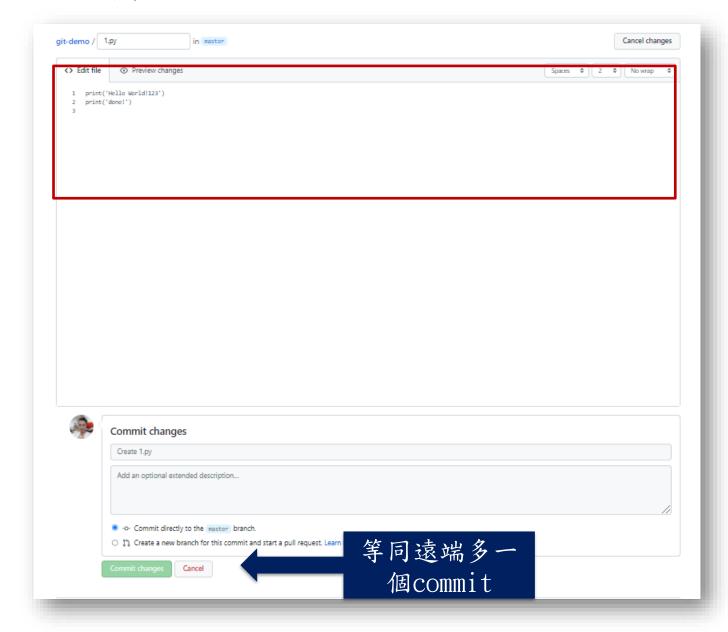


■可線上編輯跟commit





■ 編輯後commit







git pull

遠端拉取回本地端

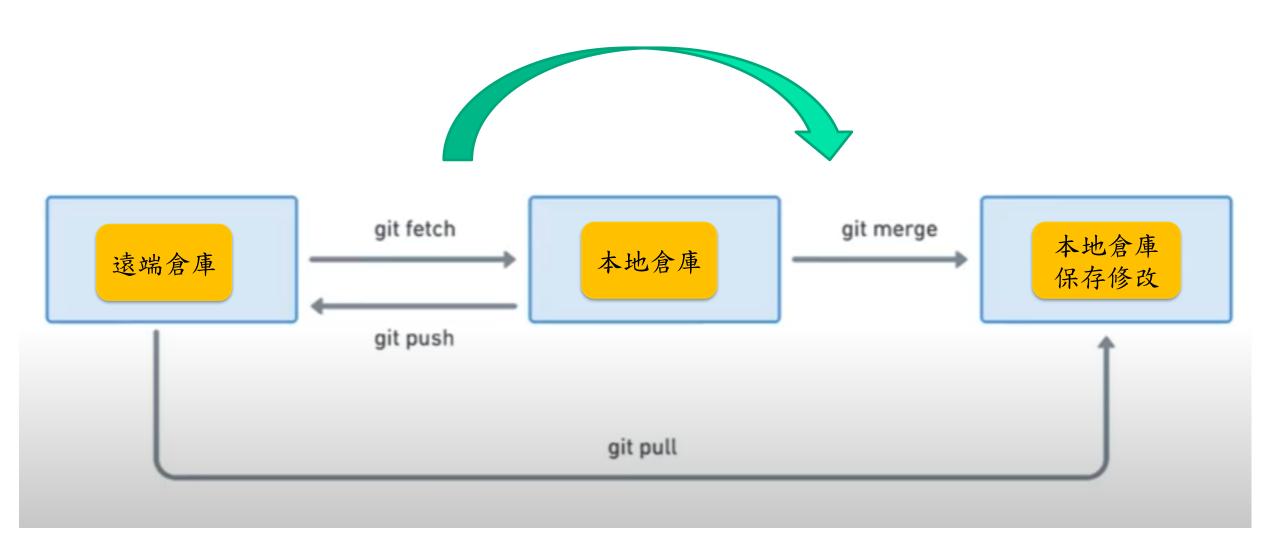
(本地端跟遠端進行同步)

■ 為何需要pull?

- 遠端/其他使用者 有更新資料需要先進行拉取,否則無法push
- 一般pull會進行同步跟自動合併(如有衝突需要先處理)

• Git pull





• 使用git pull

በ 6.txt

- 遠端倉庫如新增/修改檔案
 - 本地端使用push會失敗

Create 6.txt

■ 需要先pull(同步)

PS C:\Users\Jerry\Google 雲端硬碟\教學文件\Git\git-demo> git pull remote: Enumerating objects: 4, done. remote: Counting objects: 100% (4/4), done. remote: Compressing objects: 100% (2/2), done. remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 Unpacking objects: 100% (3/3), 646 bytes | 43.00 KiB/s, done. From https://github.com/codewithjerry/git-demo 8bd6c1f..98c8145 master -> origin/master Updating 8bd6c1f..98c8145
Fast-forward 6.txt | 1 + 1 file changed, 1 insertion(+) create mode 100644 6.txt

now



Git Remote的一些操作



- git clone <repository URL> clone a remote repository to local disk
- git push origin <branch_name> push local branch <branch_name> to remote branch dev, if dev branch does not exist remotely, it would be created. (--delete to delete a remote branch)
- git branch -a list all branches both local and remote
- git fetch download objects and refs from remote repository
- git pull Fetch from remote and integrate with local branch
- git push origin <tag_name> push local tag to github
- git push origin –delete <tag_name> to delete github tags

• git remote - v



■ 檢視目前所有遠端url

```
Jerry@DESKTOP-E7K1RS1 MINGW64 /d/GoogleDrive/教學文件/Git/chapter4/ster)
$ git remote
origin

Jerry@DESKTOP-E7K1RS1 MINGW64 /d/GoogleDrive/教學文件/Git/chapter4/ster)
$ git remote -v
origin https://github.com/codewithjerry/git-test1.git (fetch)
origin https://github.com/codewithjerry/git-test1.git (push)
```

- git push →本地推送到遠端
- git pull →遠端更新到本地(with merge)

- git remote remove origin
 - 移除遠端origin



■ 新增倉庫名稱

- 推送到其他分支
 - git push origin dev

- 遠端分支的刪除
 - git push --delete origin dev



- git push [origin master] f
 - 強制更新遠端(不理衝突,譬如使用--amend後)

