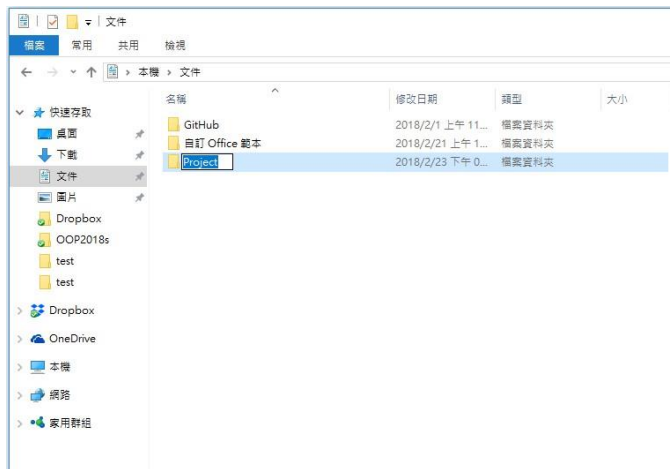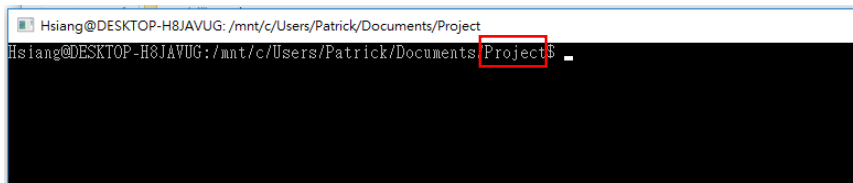# 作業上傳教學

1. 在電腦上建立自己的專案資料夾
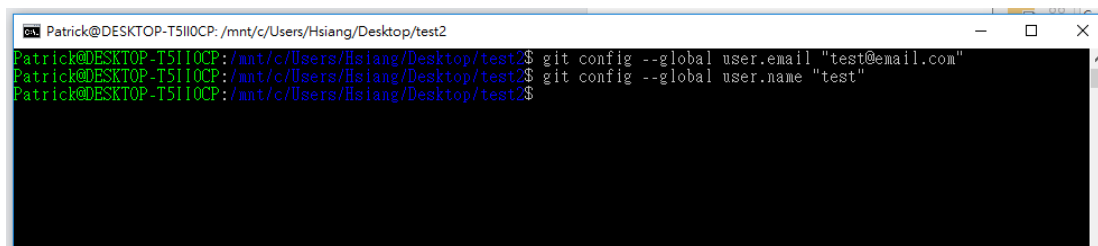

2. 在專案目錄下打開 終端機(ubuntu bash)
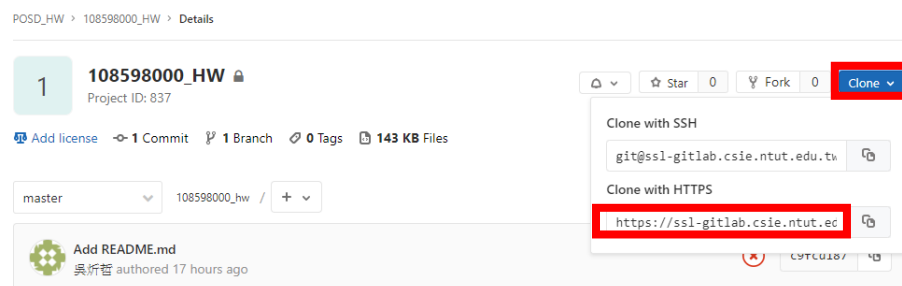

3. 設定 git 基本資料(僅系統第一次使用 git 時設定)。
```
git config --global user.email     ${{EMAIL}}
git config --global user.name      ${{NAME}}
```

把${{EMAIL}} 及 ${{NAME}} 換成個人的 email 及 使用者名稱

4. 前往 Gitlab (https://ssl-gitlab.csie.ntut.edu.tw) 並找到自己的專案連結
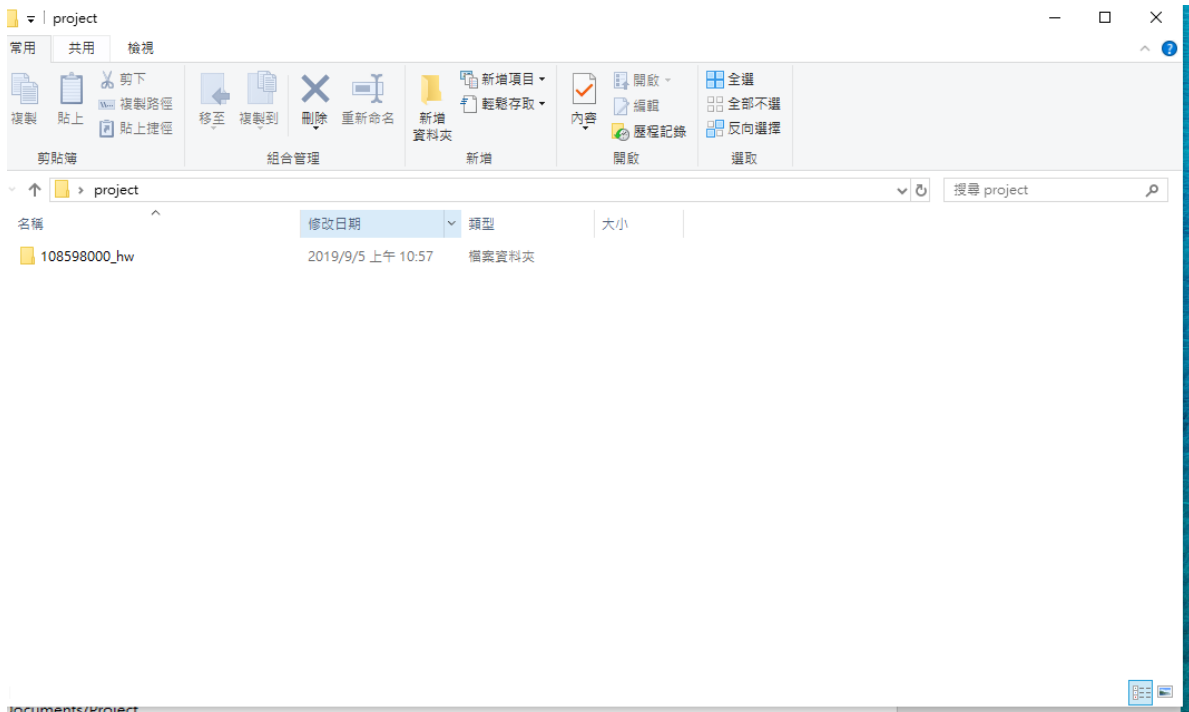   點選clone後 選擇 HTTPS 複製URL

5. 輸入指令: git clone ${{Your URL}}
    - ${{Your URL}} 用上面複製的專案連結取代

```
C:\Users\Lab1321\Desktop\project>bash
lab1321@DESKTOP-2VQUNMM:/mnt/c/Users/Lab1321/Desktop/project$ git clone https://ssl-gitlab.csie.ntut.edu.tw/posd_hw/1085
98000_hw.git
```

Enter之後輸入你的帳號密碼

```
98000_hw.git
lab1321@DESKTOP-2VQUNMM:/mnt/c/Users/Lab1321/Desktop/project$ git clone https://ssl-gitlab.csie.ntut.edu.tw/posd_hw/1085
98000_hw.git
Cloning into '108598000_hw'...
Username for 'https://ssl-gitlab.csie.ntut.edu.tw': 108598000
Password for 'https://108598000@ssl-gitlab.csie.ntut.edu.tw':
```

完成之後

你就可以看到你的作業專案
6. 確認專案當前的狀態。
    輸入指令: cd {{學號}}_hw
            git status

```
lab1321@DESKTOP-2VQUNMM:/mnt/c/Users/Lab1321/Desktop/project/108598000_hw$ git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean
```

因為目前沒做任何變更 所以會看到上圖
7. 以下操作皆要在你的專案資料夾{{學號}}_HW下進行
8. 在專案內有新增檔案或修改檔案時，要將 新增/變更 的檔案加入準備 commit 的佇列。輸入指令: git add .

```
Hsiang@DESKTOP-H8JAVUG: /mnt/c/Users/Patrick/Documents/Project
Hsiang@DESKTOP-H8JAVUG:/mnt/c/Users/Patrick/Documents/Project$ git add .
```

    - 如有移除的檔案則變為 git rm ${{已刪除的檔案}}

```
Hsiang@DESKTOP-H8JAVUG: /mnt/c/Users/Patrick/Documents/Project
Hsiang@DESKTOP-H8JAVUG:/mnt/c/Users/Patrick/Documents/Project$ git rm test1.cpp
rm 'test1.cpp'
Hsiang@DESKTOP-H8JAVUG:/mnt/c/Users/Patrick/Documents/Project$
```

9. 再次確認檔案的變更狀態。輸入指令: git status

```
Hsiang@DESKTOP-H8JAVUG: /mnt/c/Users/Patrick/Documents/Project
Hsiang@DESKTOP-H8JAVUG:/mnt/c/Users/Patrick/Documents/Project$ git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        renamed:    test1.cpp -> test2.cpp

Hsiang@DESKTOP-H8JAVUG:/mnt/c/Users/Patrick/Documents/Project$
```

10. 確認無誤後，將這次變更 commit 到本地端版控中。輸入指令: git commit
    － m   "${{Your message}}"

```
Hsiang@DESKTOP-H8JAVUG: /mnt/c/Users/Patrick/Documents/Project
Hsiang@DESKTOP-H8JAVUG:/mnt/c/Users/Patrick/Documents/Project$ git commit -m "Commit testing"
[master 0deded9] Commit testing
 1 file changed, 0 insertions(+), 0 deletions(-)
 rename test1.cpp => test2.cpp (100%)
Hsiang@DESKTOP-H8JAVUG:/mnt/c/Users/Patrick/Documents/Project$
```

11. 將本地端的版本紀錄上傳至 GitLab。輸入指令: git push origin master
    輸入你的 Gitlab 的 Username 及 Password

    * Password 在輸入時不會顯示出任何字

```
Hsiang@DESKTOP-H8JAVUG: /mnt/c/Users/Patrick/Documents/Project
Hsiang@DESKTOP-H8JAVUG:/mnt/c/Users/Patrick/Documents/Project$ git push    origin master
Username for 'http://140.124.181.136:81': 106820000
Password for 'http://106820000@140.124.181.136:81':
```

12.回到 GitLab 確認自己的作業

框內為新增的檔案

13.上傳到 Jenkins 查看自己的作業狀態

會有兩個專案，通過的話會亮藍色，沒通過會亮紅色