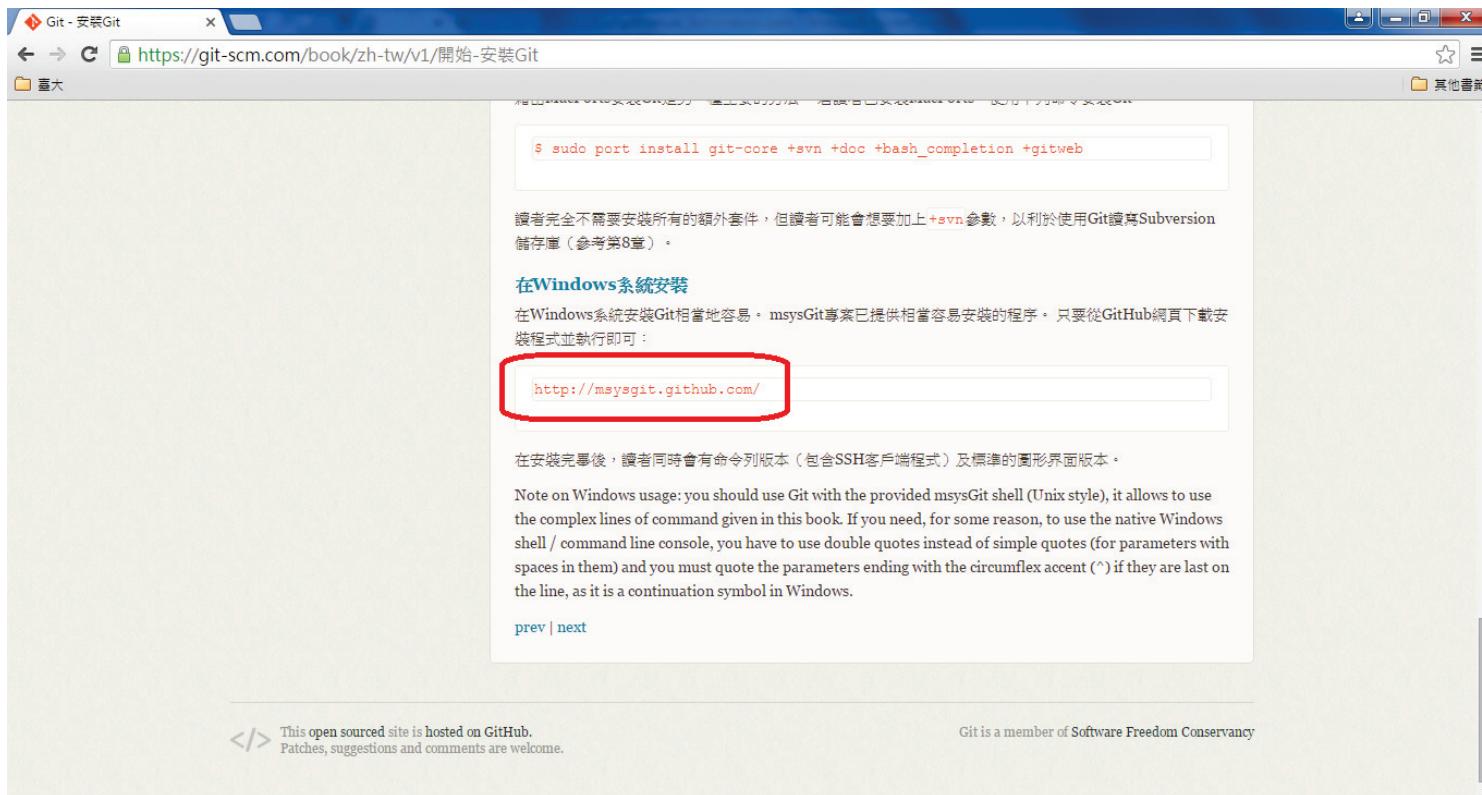


OOP Judge Manual

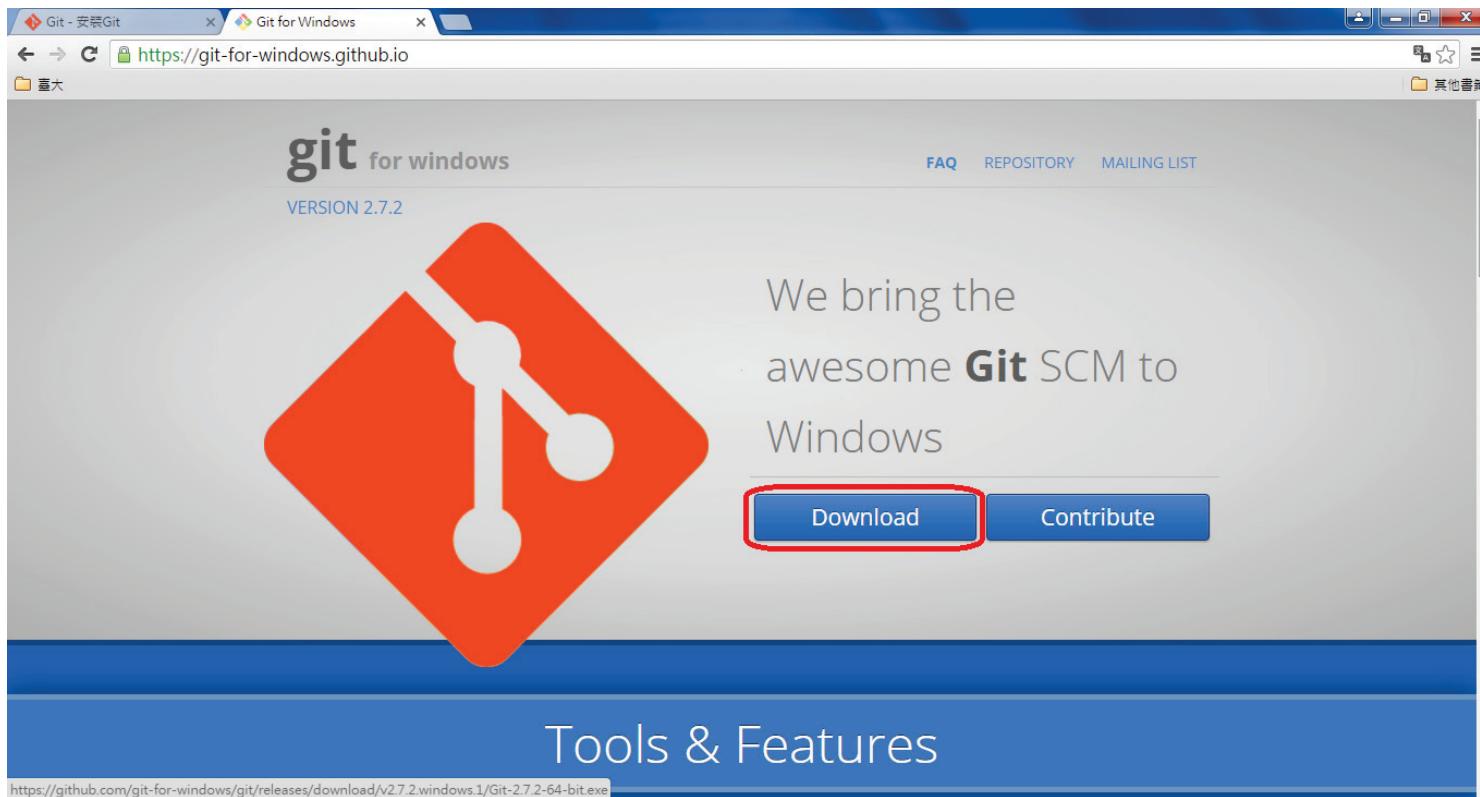
For Windows 7

Step 1 安裝 Git

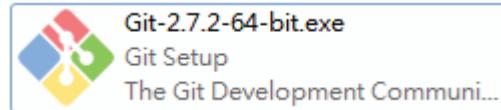


- <https://git-scm.com/book/zh-tw/v1/%E9%96%8B%E5%A7%8B-%E5%AE%89%E8%A3%9DGit>

Step 1-2 下載 Git



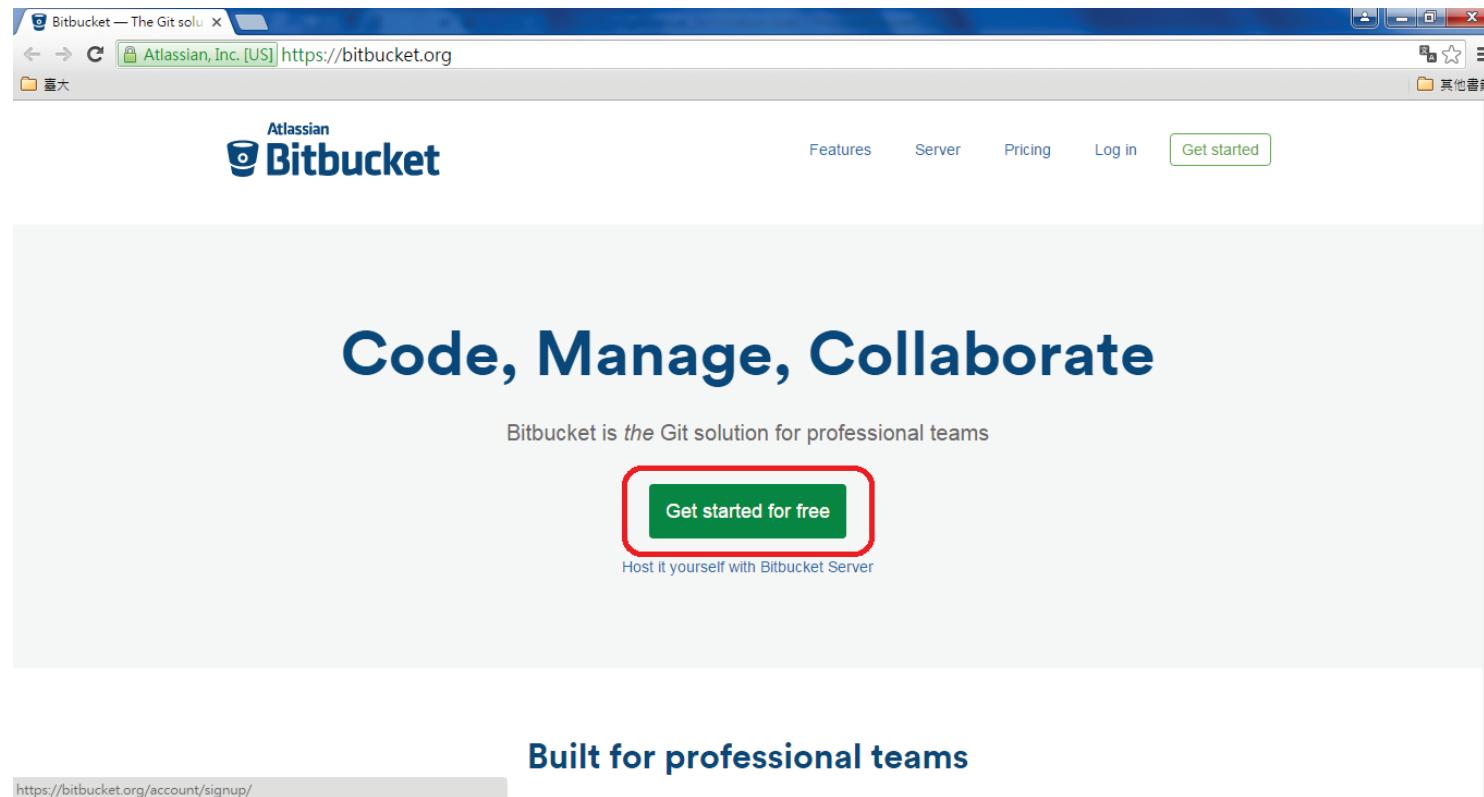
Step 1-3 執行 Git-2.7.2-64-bit.exe



- 一直按「Next」

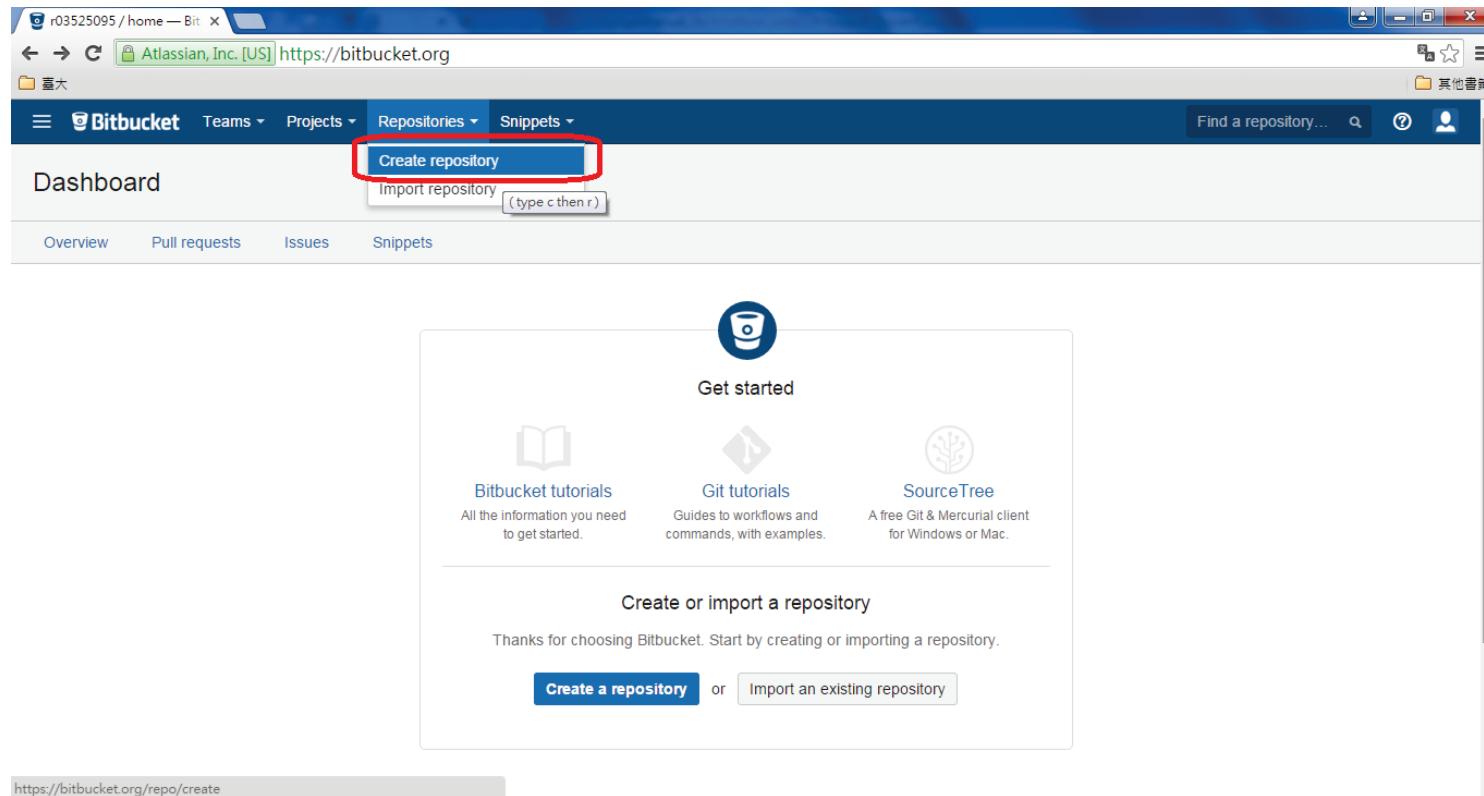
Step 2 申請一組 Bitbucket 帳號

- 請使用學校信箱註冊
- <https://bitbucket.org/>

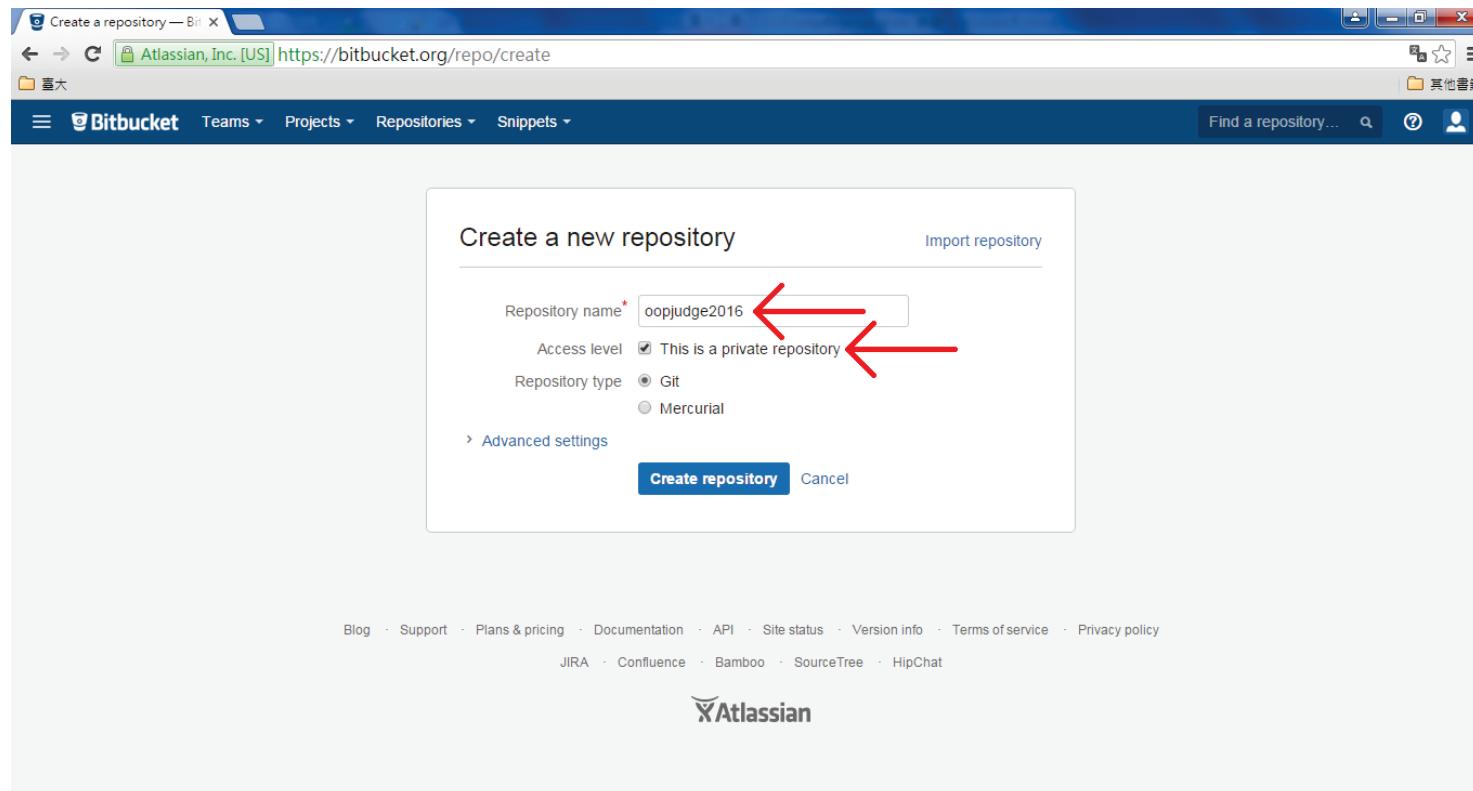


The screenshot shows a web browser window with the Bitbucket homepage loaded. The address bar displays "Atlassian, Inc. [US] https://bitbucket.org". The page features the Bitbucket logo at the top left. Navigation links for "Features", "Server", "Pricing", and "Log in" are visible, along with a prominent green "Get started" button. Below the navigation, the tagline "Code, Manage, Collaborate" is displayed in large blue text. A sub-tagline "Bitbucket is *the* Git solution for professional teams" follows. At the bottom of the main content area, there's a link "Host it yourself with Bitbucket Server". The footer contains the text "Built for professional teams" and the URL "https://bitbucket.org/account/signup/". A red box highlights the "Get started for free" button.

Step 3 在Bitbucket 上面新建一個 Repository(name: 請使用小寫字母與數字)



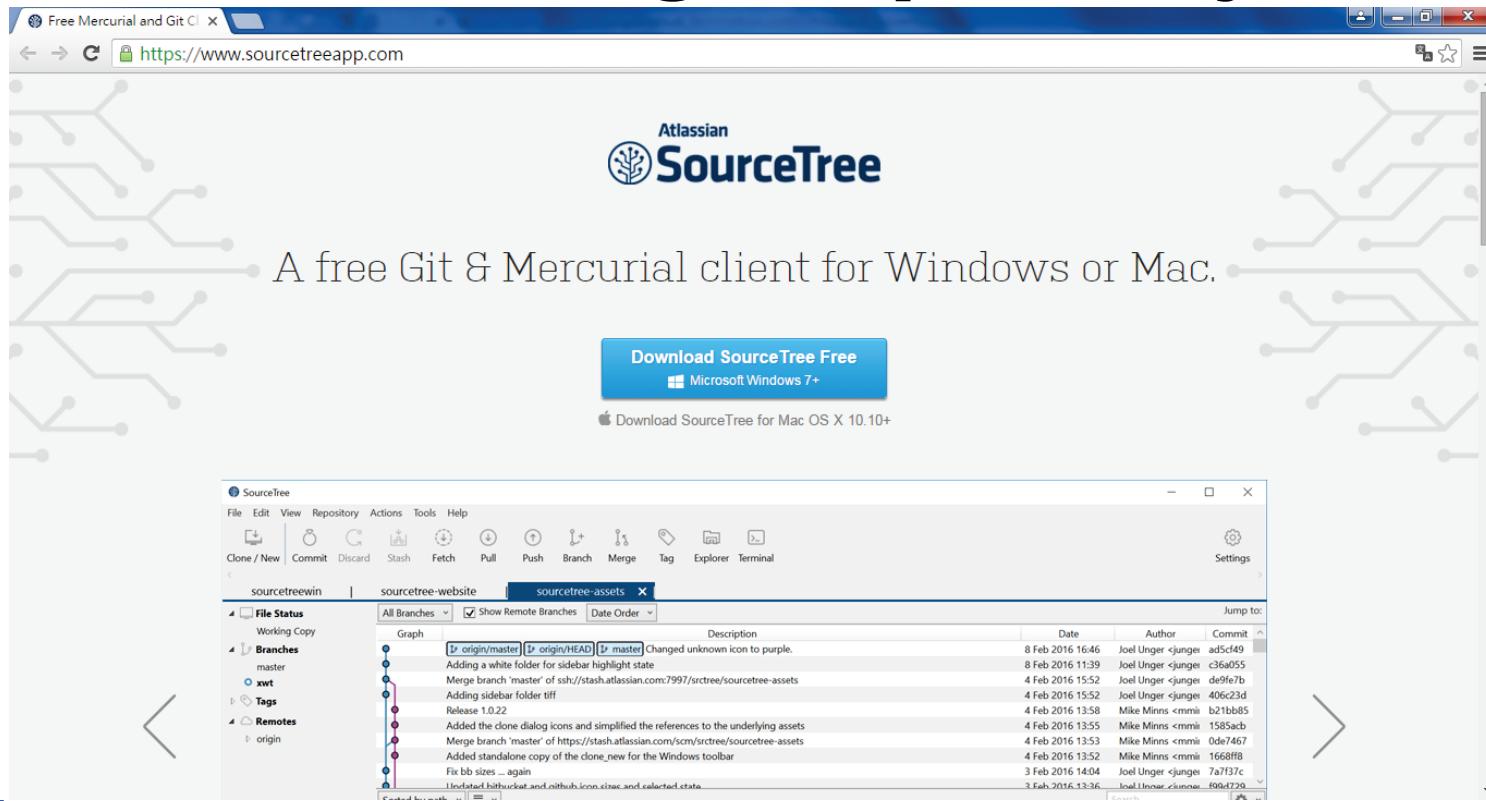
Step 3-2 命名為「oopjudge2016」 (不能有大寫！)



Step 3-3 新增完成

The screenshot shows a web browser window for Bitbucket. The URL in the address bar is <https://bitbucket.org/r03525095/oopjudge2016>. The page title is "Repository setup". On the left, there's a sidebar with user information (r03525095 / oopjudge2016) and navigation links: Overview (selected), Source, Commits, Branches, Pull requests, Downloads, and Settings. The main content area has a heading "Repository setup" with a sub-section "SourceTree" containing a link to "Get started using the SourceTree client" and a "Clone in SourceTree" button. Another section "Command line" has links for "I'm starting from scratch" and "I have an existing project". At the bottom, there's a link to "Need a complete walkthrough? Check out the Bitbucket Tutorials." The footer includes links to Blog, Support, Plans & pricing, Documentation, API, Site status, Version info, Terms of service, and Privacy policy.

Step 4 去下載安裝 SourceTree 他可以 幫你管理 git repository



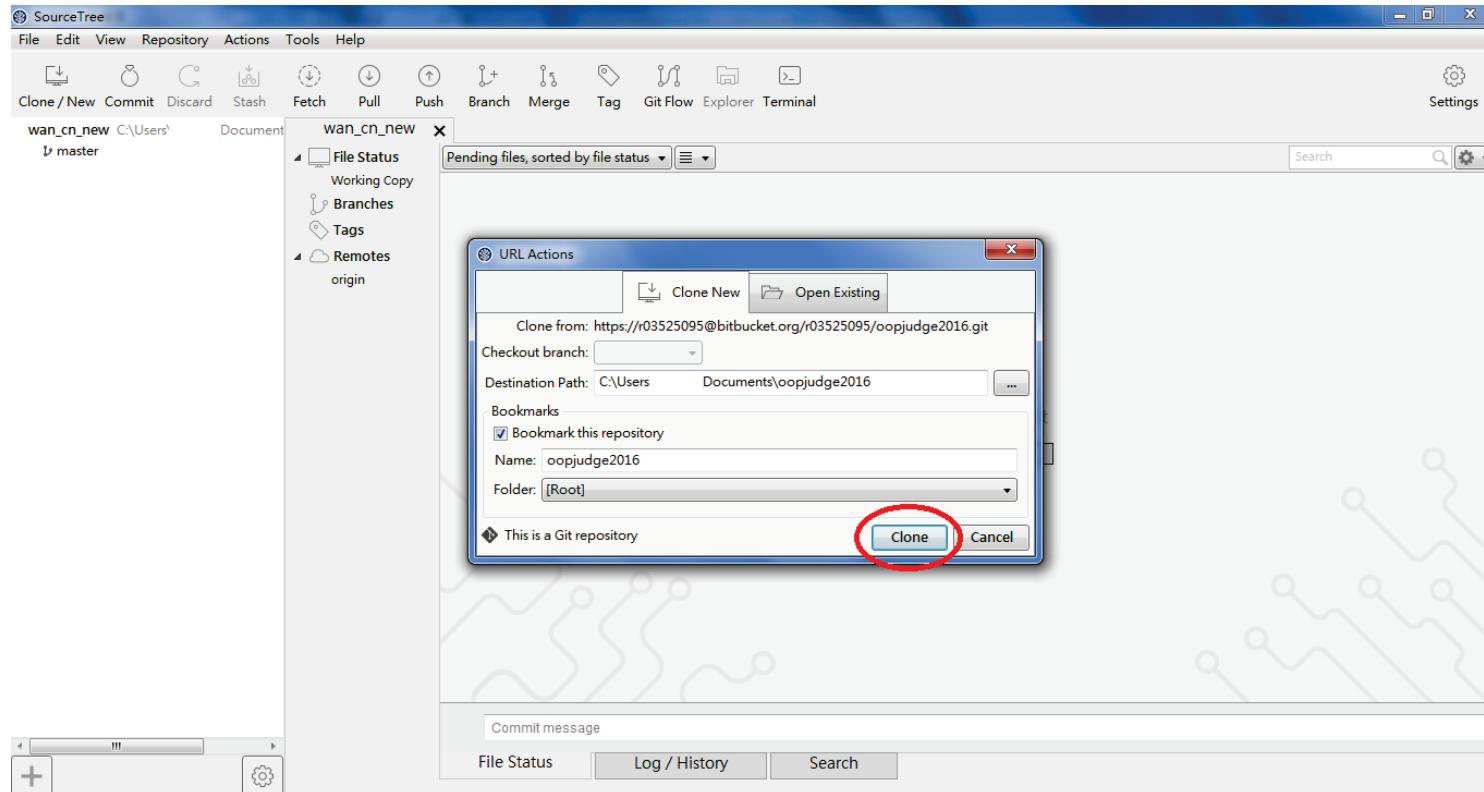
- <https://www.sourcetreeapp.com/>

Step 5 裝完SourceTree後，可以透過它把 Bitbucket 上面的 Repository 複製下來到自己的電腦裡面！

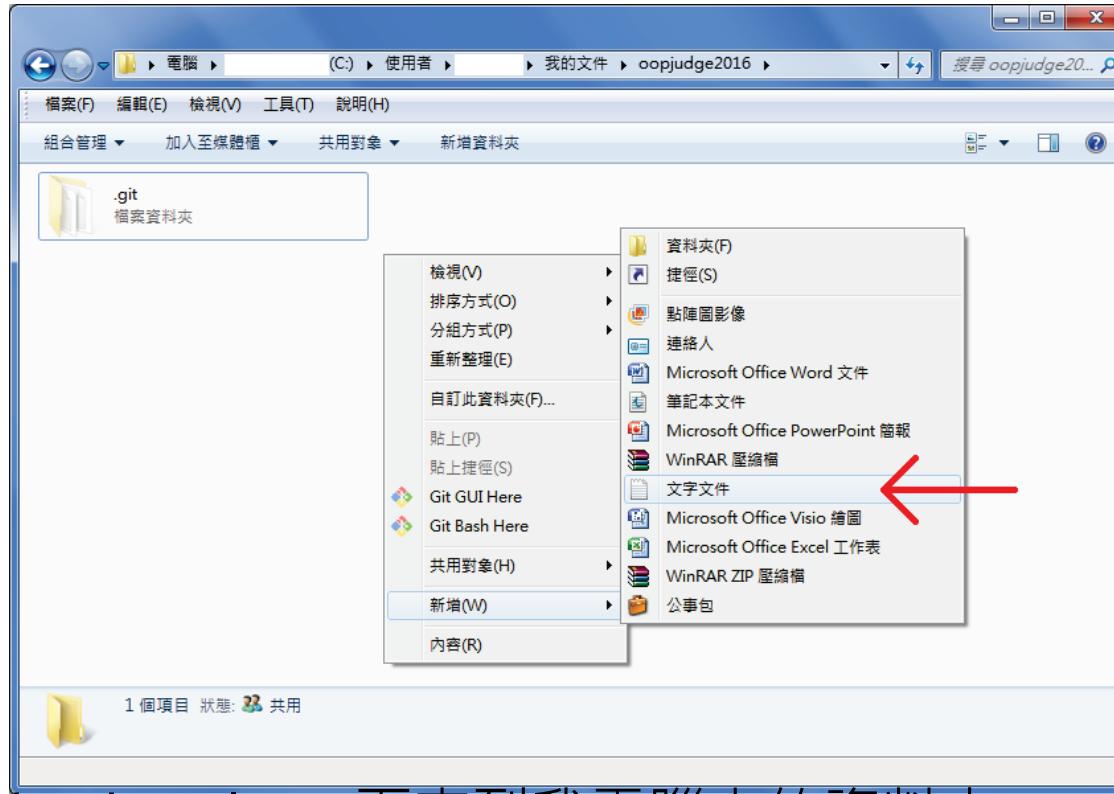


- —> 到剛剛建好的 BitbucketRepositorySetup 頁面點選 “Clone in SourceTree”

Step 5-2 設定作業要存檔的路徑 以及 repository 名稱(不能有大寫！)

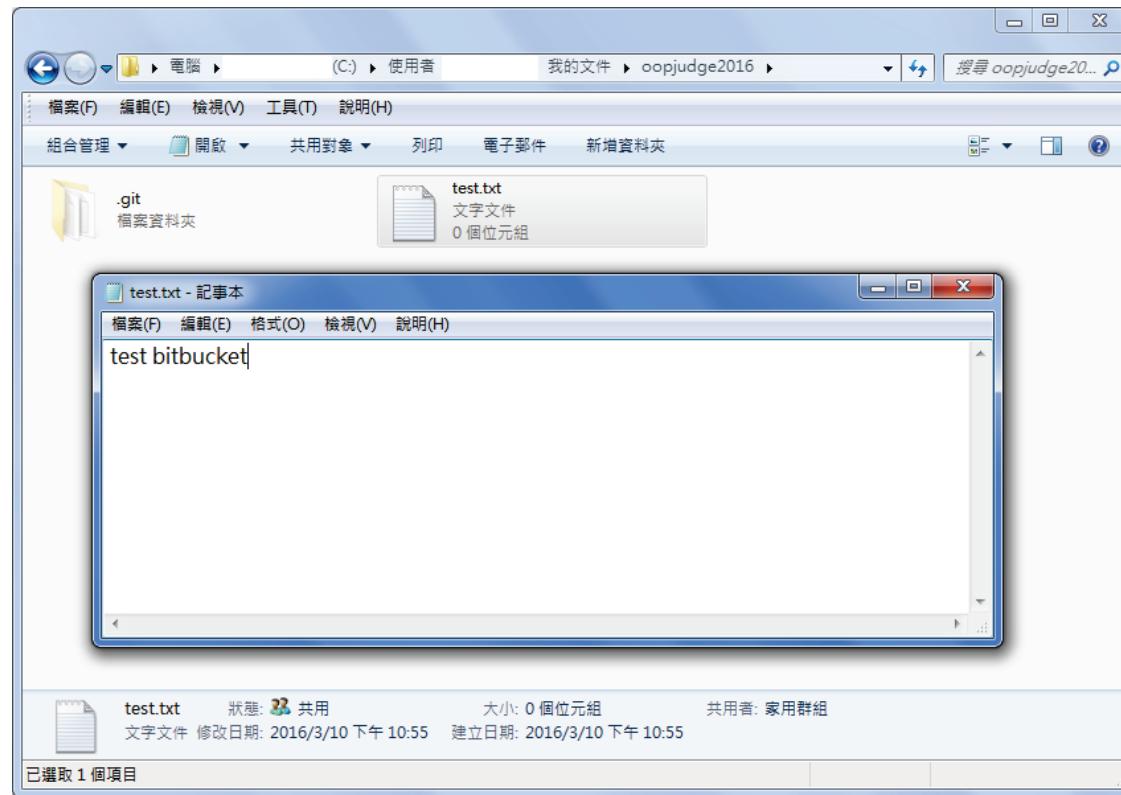


Step 6 首先來測試一下，如何把檔案上傳到 Bitbucket

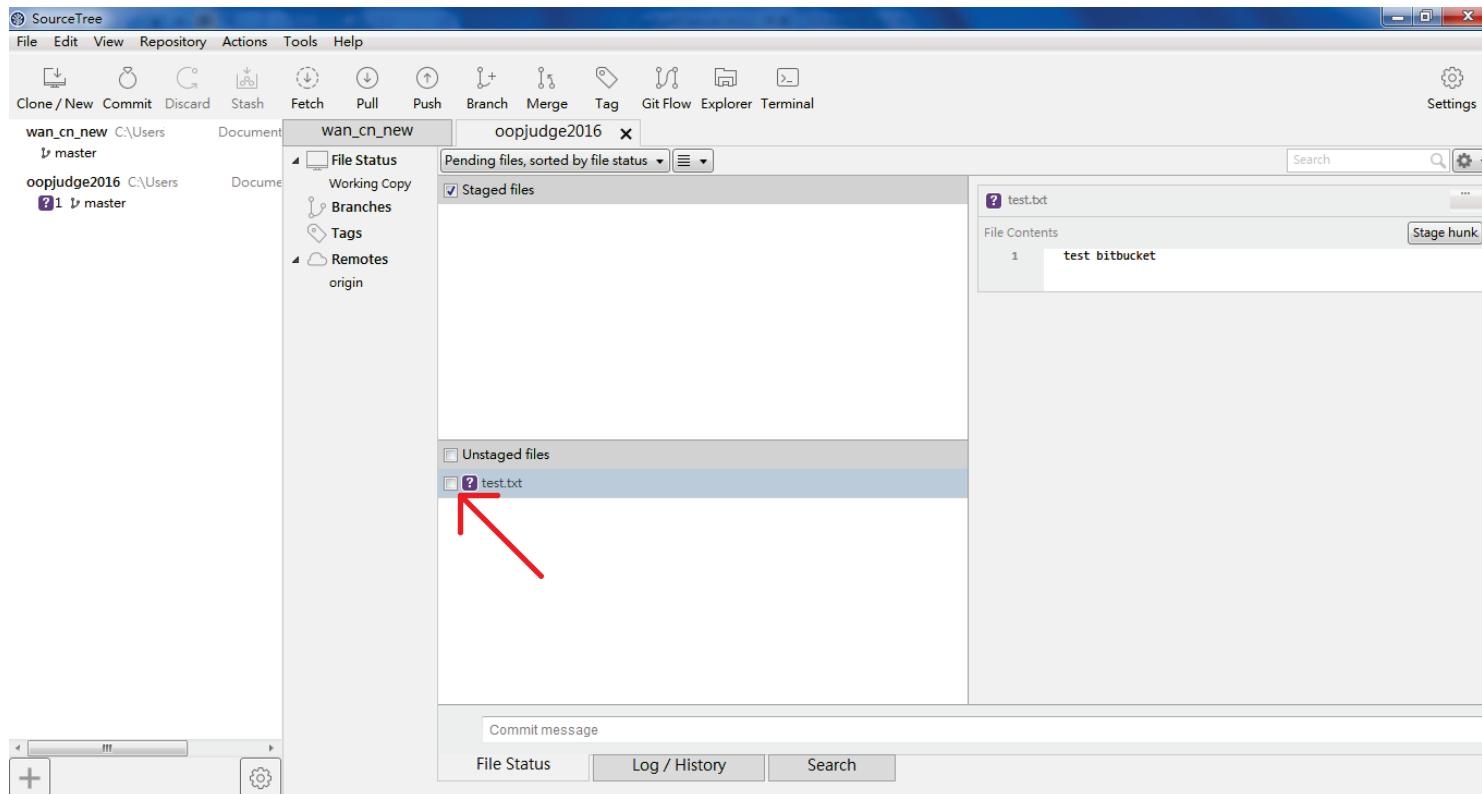


- 我再從 bitbucket clone 下來到我電腦中的資料夾 oopjudge2016 裡面新增一個文字文件 test.txt

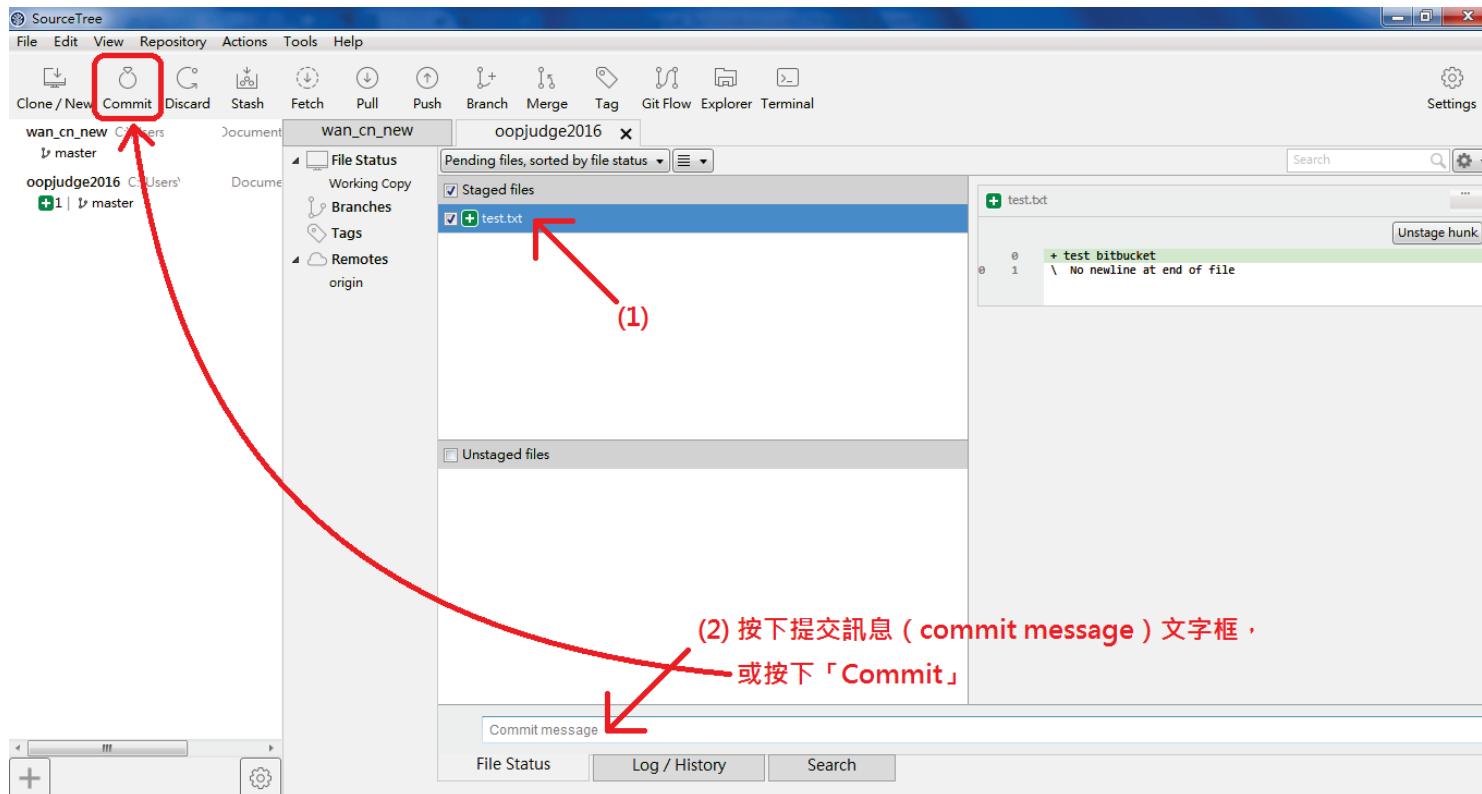
Step 6-2 在 test.txt 內寫一些內容



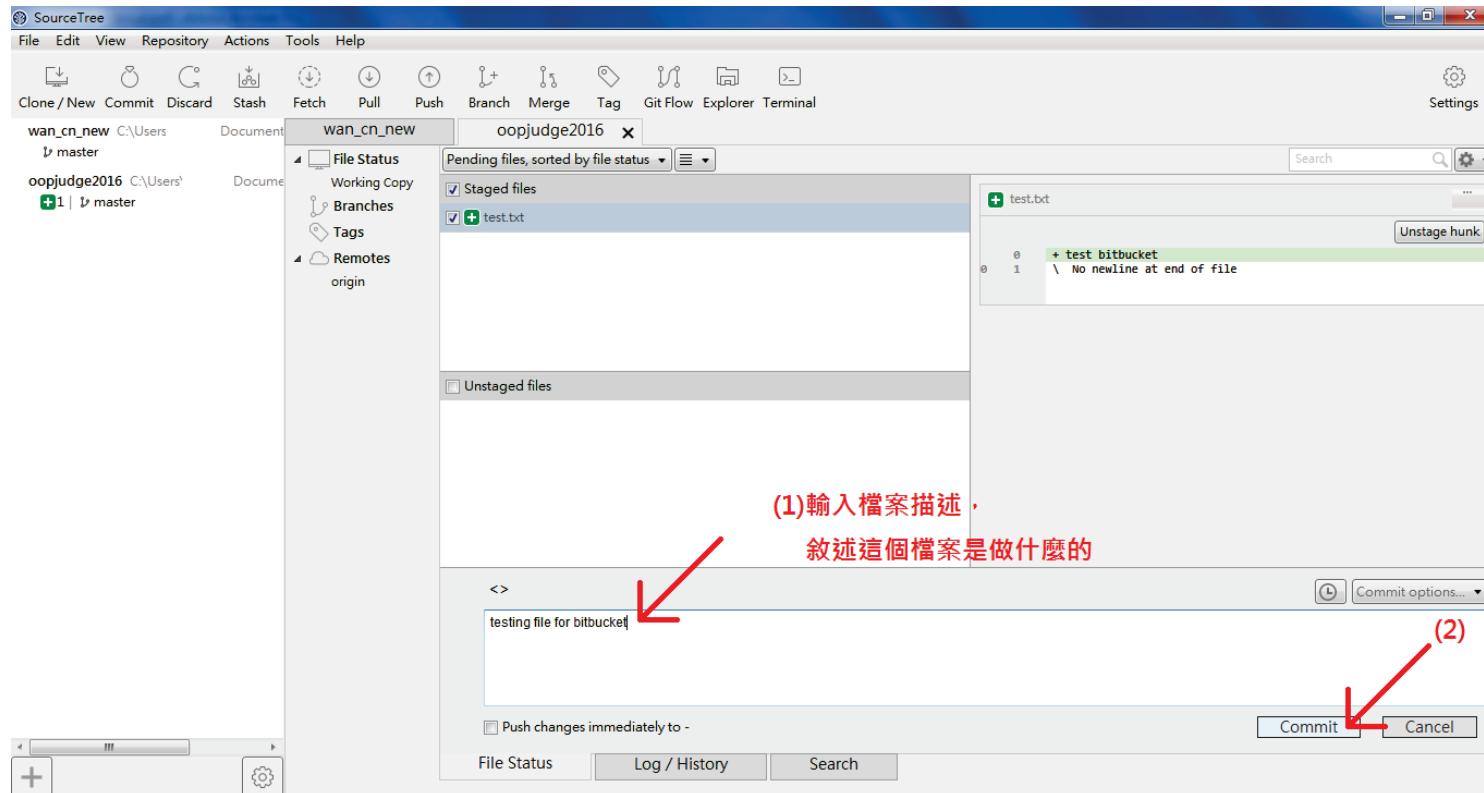
Step 6-3 此時，可以打開 SourceTree，你會看到剛剛新增的 test.txt 檔案在下面區域，勾選後他會跑上去



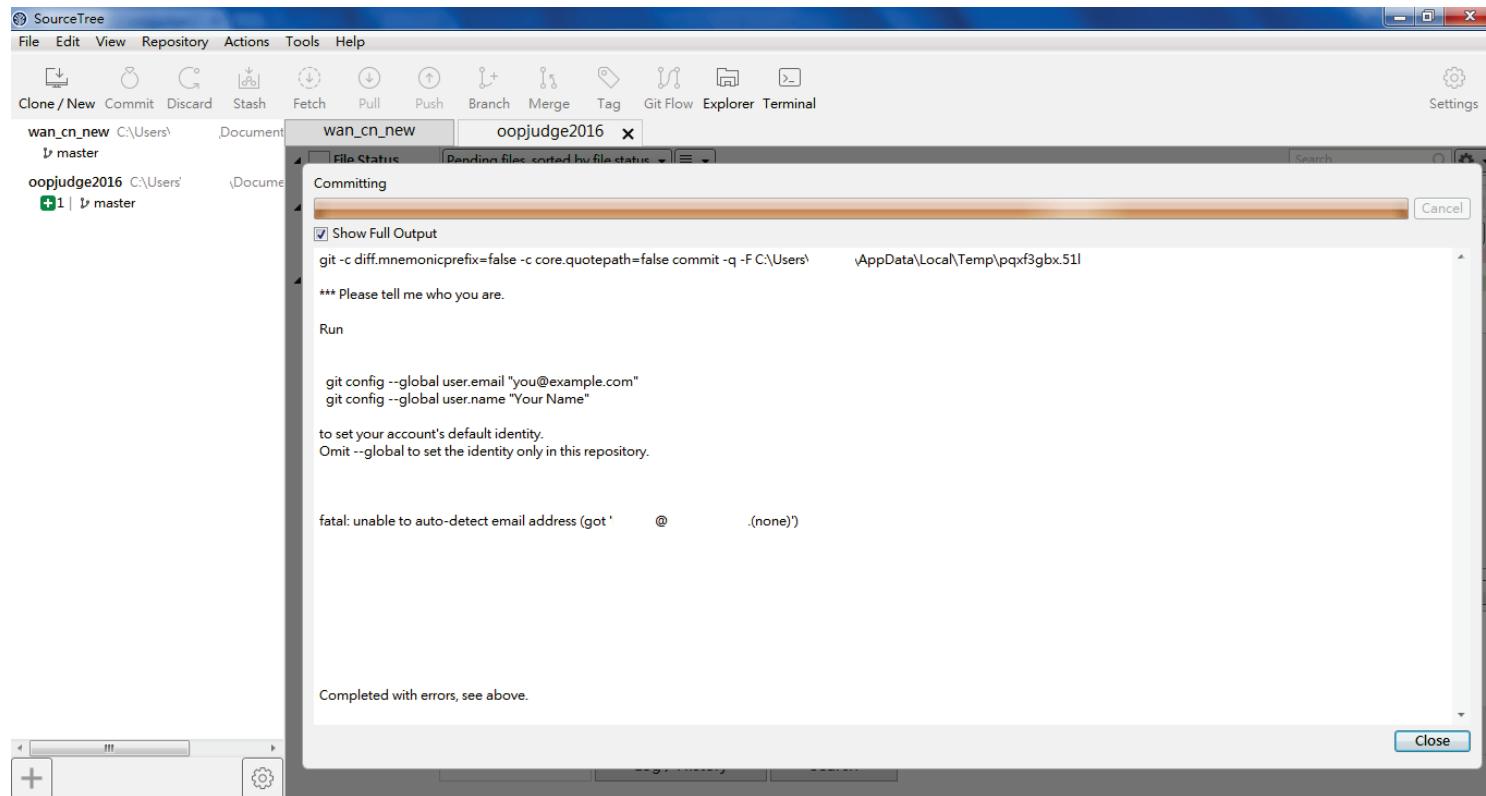
Step 6-4 接著，按下提交訊息 (commit message) 文字框，並且需輸入提交訊息 (commit message)



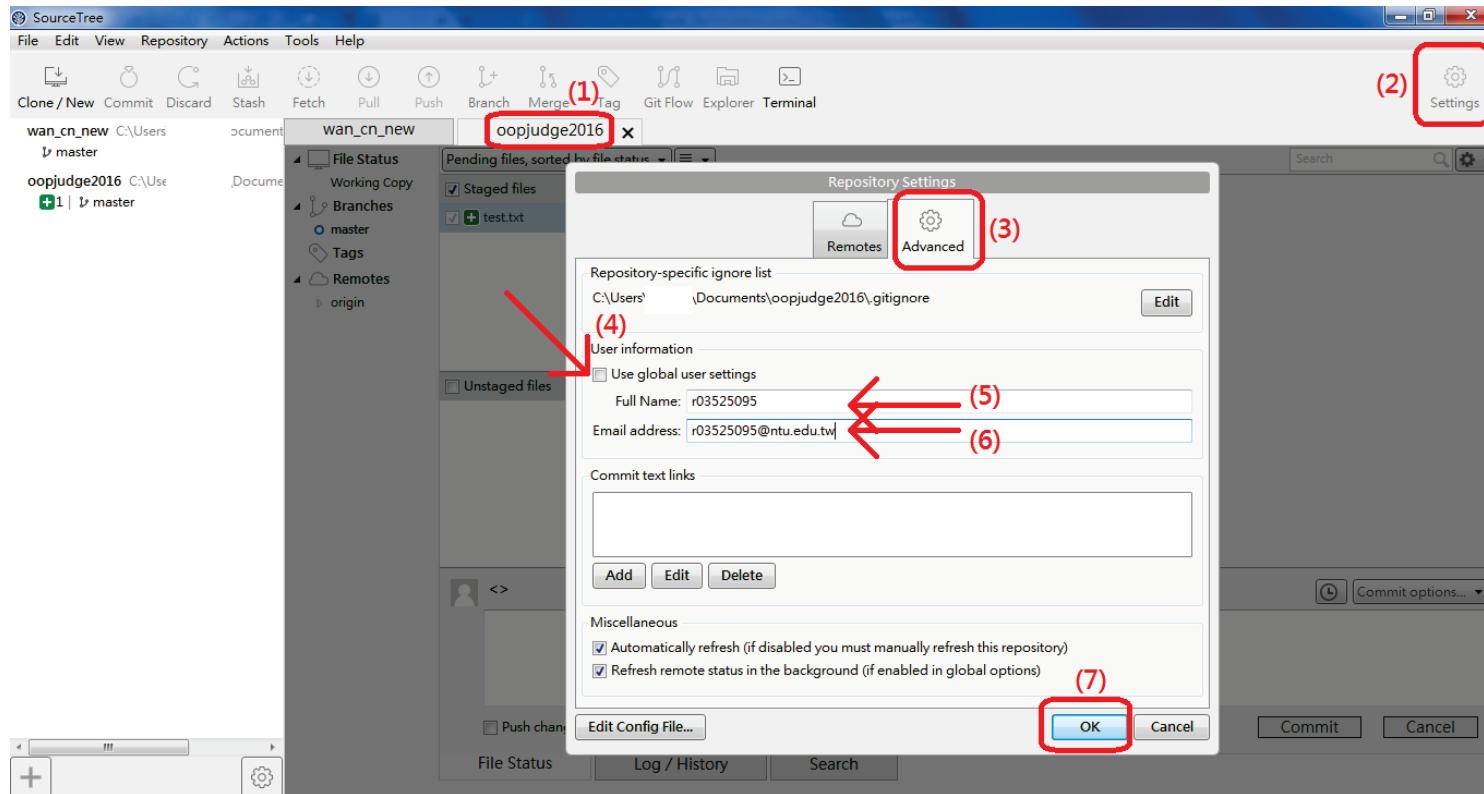
Step 6-5 輸入提交訊息 (commit message) 後，按下提交(Commit) 按紐



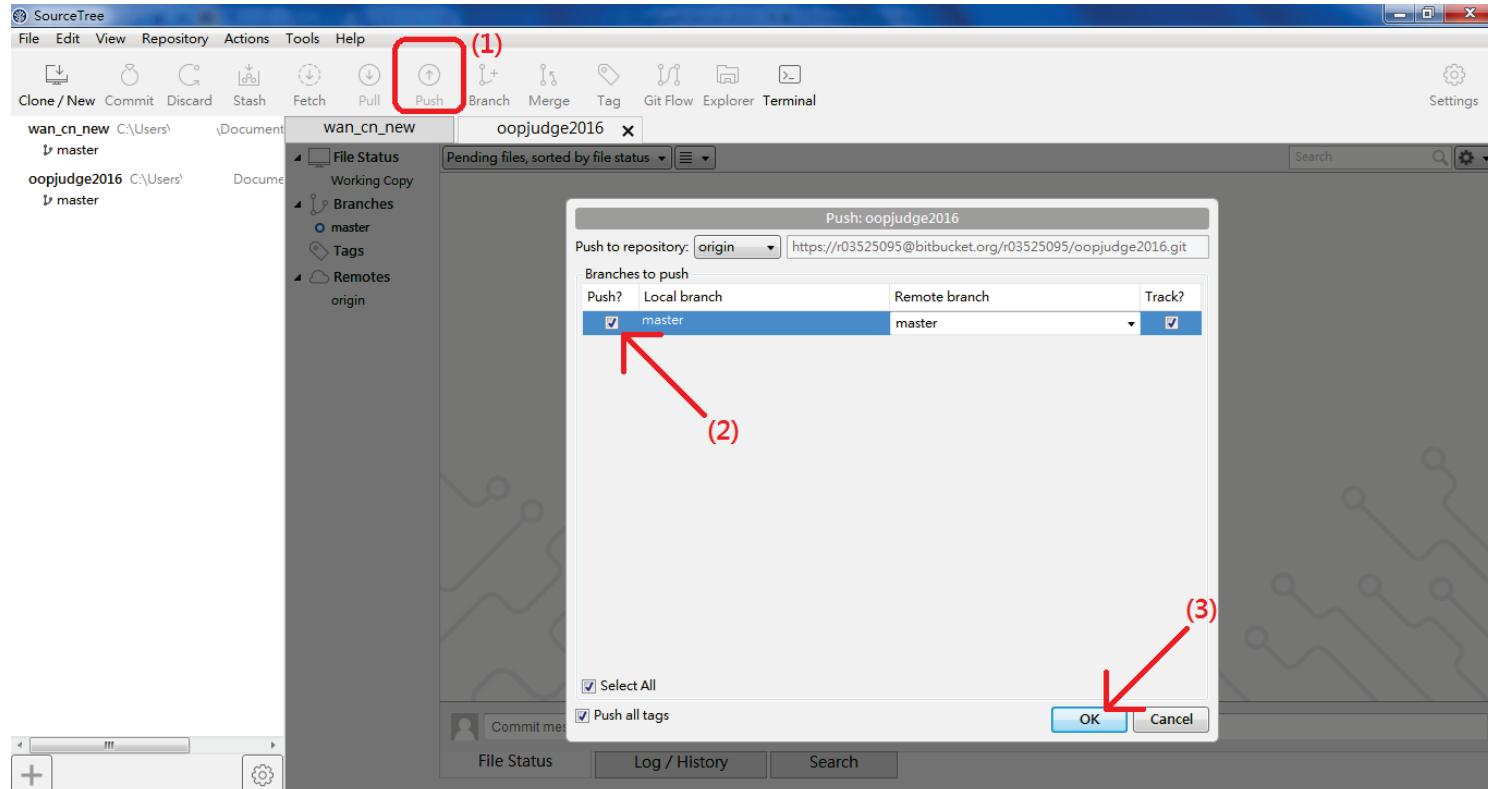
Step 6-5ex 若出現這個錯誤.....



Step 6-5ex2 請設定 BitBucket 的使用者名稱與電子郵件



Step 6-6 接著按下推送 (Push) 按鈕，這個步驟會確實把你本地端的檔案上傳到 Bitbucket 網站上！



- 勾選 master 後，按下OK 即可！

Step 6-7 此時去 Bitbucket 上面看看結果 可以發現，出現了一個 commit

The screenshot shows a Bitbucket repository overview for 'r03525095 / oopjudge2016'. The left sidebar includes actions like Clone, Create branch, Create pull request, Compare, and Fork; navigation links for Overview, Source, Commits, Branches, Pull requests, Downloads, and Settings; and a user profile for 'oopjudge2016'. The main area displays repository statistics: Last updated 3 minutes ago, Language —, Access level Admin, 1 Branch, 0 Tags, 0 Forks, and 1 Watcher. A 'Recent activity' sidebar on the right lists one commit by 'r03525095 / oopjudge2016' pushed 5 minutes ago, titled '4783066 testing file for bitbucket'. A red arrow points to this commit entry.

Atlassian, Inc. [US] https://bitbucket.org/r03525095/oopjudge2016

Bitbucket Teams Projects Repositories Snippets

Find a repository... ?

r03525095 / oopjudge2016

Overview

Last updated 3 minutes ago

Language —

Access level Admin

1 Branch

0 Tags

0 Forks

1 Watcher

Invite users to this repo

Send invitation

Recent activity

1 commit

Pushed to r03525095 / oopjudge2016

4783066 testing file for bitbucket

r03525095 · 5 minutes ago

r03525095 / oopjudge2016

Repository created

r03525095 · 23 hours ago

Step 6-8 點選 Source 可以看到上傳的檔案 test.txt

目前為止，已經學會了如何使用 BitBucket 以及他的好朋友 SourceTree

The screenshot shows a web browser window for Bitbucket. The URL is https://bitbucket.org/r03525095/oopjudge2016/src. The left sidebar has a user profile for 'oopjudge2016' and navigation links: Overview (selected), Source (highlighted with a red arrow), Commits, Branches, Pull requests, Downloads, and Settings. The main content area shows a repository 'r03525095 / oopjudge2016'. Under the 'Source' tab, it displays a file named 'test.txt' with a size of 14 B, uploaded 9 minutes ago by 'oopjudge2016', with the commit message 'testing file for bitbucket'. A red arrow points to the 'test.txt' file entry.

Step 7: 設定 Bitbucket Repository 權限，讓批改系統網站可以Read

The screenshot shows the Bitbucket Admin interface for managing repository access. The URL is https://bitbucket.org/r03525095/oopjudge2016/admin/access. The left sidebar has a 'Settings' button highlighted with a red box and the number (1). The main menu on the left includes 'Clone', 'Create branch', 'Create pull request', 'Compare', and 'Fork'. The 'Access management' section is highlighted with a red box and the number (2). The 'Users' section shows a user 'esoe_oop_judge' with a 'Read' permission level selected, also highlighted with a red box and the number (4). A 'Add' button is shown next to it, also highlighted with a red box and the number (5). The 'Groups' section is also visible.

- Setting -> Access management
- 輸入這個使用者:
esoe_oop_judge
- 設定權限為 Read 按下Add

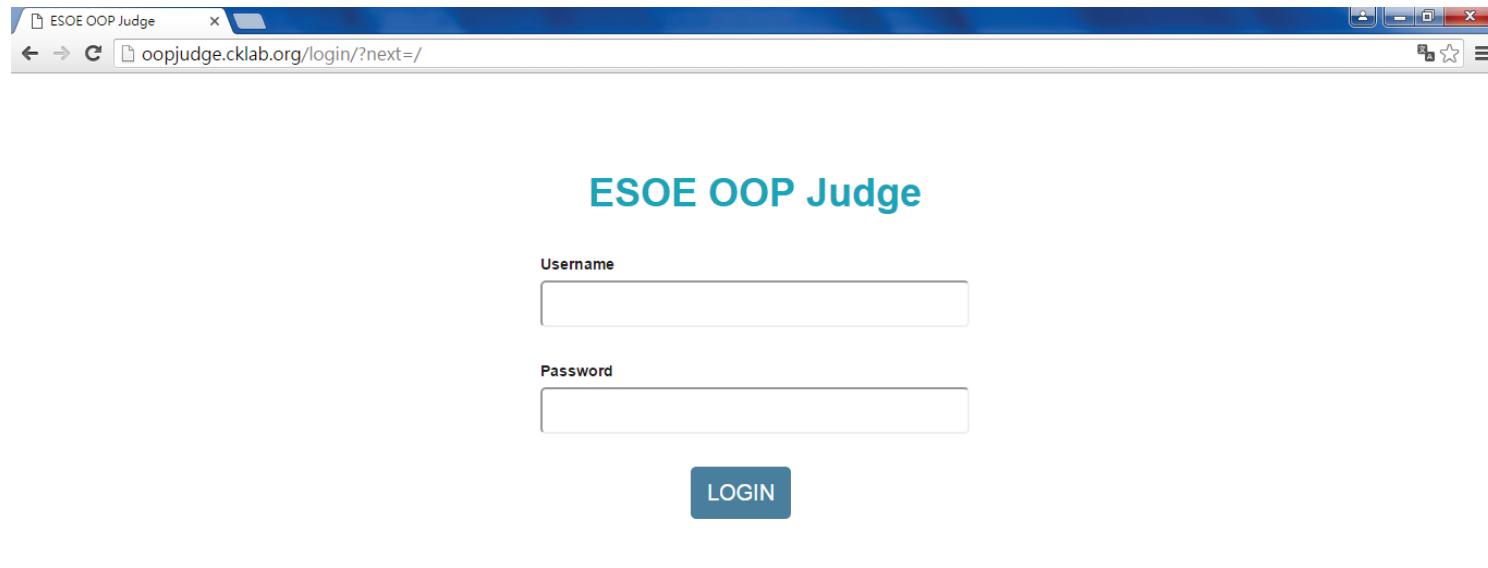
Step 7-2 如此即設定完成！

現在作業批改系統可以看到你Bitbucket上面的檔案了！

The screenshot shows the Bitbucket Admin interface for repository `r03525095 / oopjudge2016`. The left sidebar shows navigation links like Overview, Source, Commits, Branches, Pull requests, Downloads, and Settings. The main panel is titled 'Settings' and has a 'GENERAL' section with links to Repository details, Access management, Branch management, Username aliases, Deployment keys, Transfer repository, and Delete repository. The 'Access management' section is expanded, showing a table for 'Users'. It lists two users: `r03525095` (owner) and `ESOE OOP Judge`. The user `ESOE OOP Judge` is highlighted with a red arrow pointing to it. The 'Groups' section below shows a dropdown menu for selecting a group and a 'Read' button.

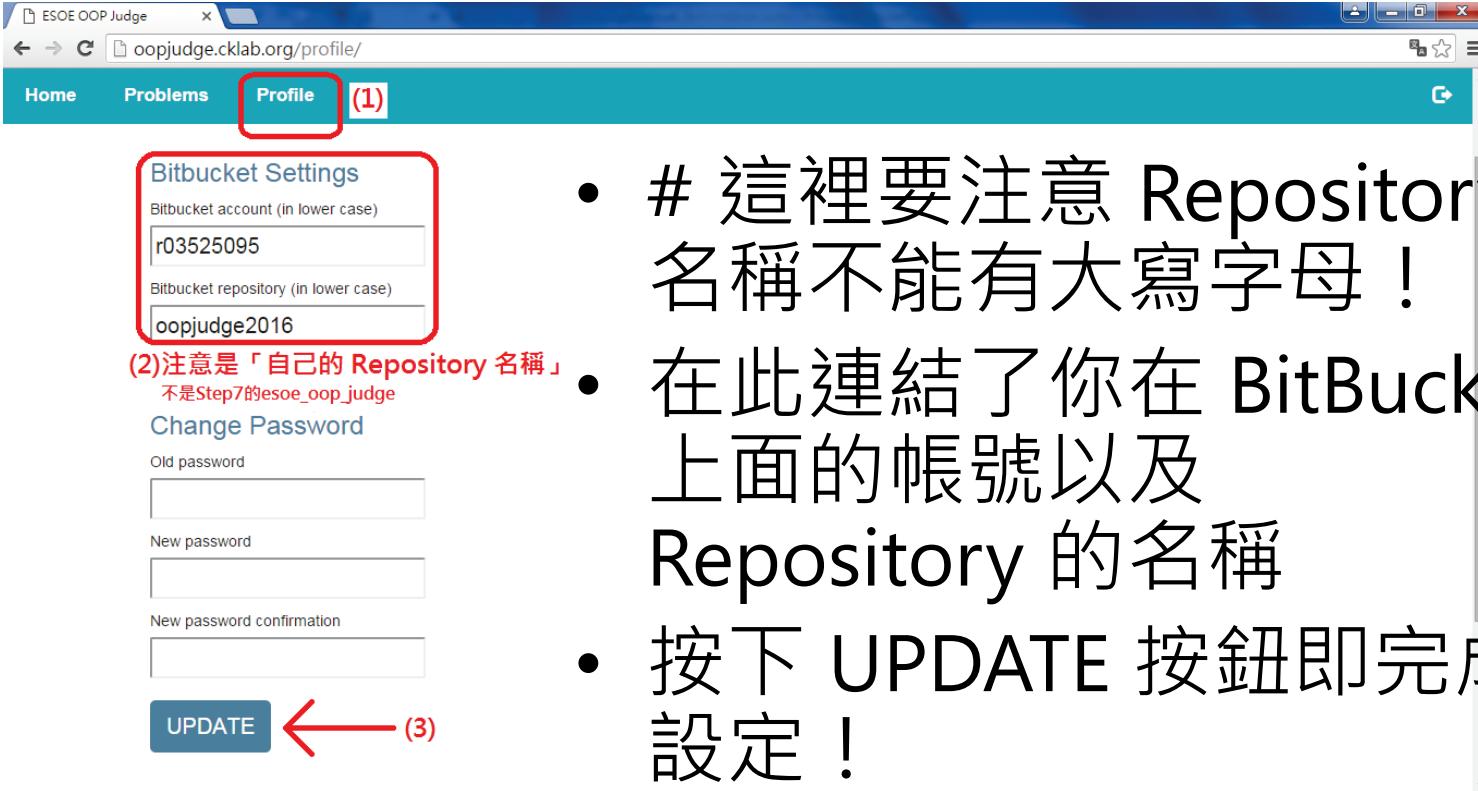
Step 8: 設定 oopJudge 批改系統網站，使它可以存取你的 Bitbucket Repository

<http://oopjudge.cklab.org/>



- 預設帳號密碼均為學號

Step 8-2 登入進去後，到 Profile 輸入你在 Bitbucket 的帳號以及 Repository 名稱



The screenshot shows the 'Profile' tab selected in the navigation bar. The 'Bitbucket Settings' section is highlighted with a red box. It contains two input fields: 'Bitbucket account (in lower case)' with value 'r03525095' and 'Bitbucket repository (in lower case)' with value 'oopjudge2016'. Below this, a note says '(2)注意是「自己的 Repository 名稱」不是Step7的esoe_oop_judge' (Note: it's your own Repository name, not Step7's esoe_oop_judge). There are also sections for 'Change Password' with fields for Old password, New password, and New password confirmation, and an 'UPDATE' button at the bottom left.

- # 這裡要注意 Repository 名稱不能有大寫字母！
- 在此連結了你在 BitBucket 上面的帳號以及 Repository 的名稱
- 按下 UPDATE 按鈕即完成設定！

Step 9 完成 Problem 1



The screenshot shows a web browser window titled "ESOE OOP Judge". The address bar contains the URL "oopjudge.cklab.org/problems/". The page has a blue header with navigation links for "Home", "Problems", and "Profile". Below the header is a table listing two problems:

ID	Title	Solved	Deadline
1	(Sample) A+B	✗	2099-12-31 00:00:00
2	Leap Year	✗	2016-03-21 14:00:00

Developed by 梁浩頴 (B02505012) and 李蔚成 (B02505006).
Credits to ADA2015 for inspiration.

Step 9-2 接下來教大家如何使用 Eclipse 以及如何交作業

The image displays two side-by-side screenshots of the ESOE OOP Judge web application, showing a Java problem submission interface.

Left Screenshot (Problem Details):

- Title:** (Sample) A+B
- Deadline:** 2099-12-31 00:00:00.
- Description:** In this problem, you are asked to implement the `APlusB` class.
In `APlusB`, there is only a single static method that you should implement, which is named `plus`, and whose function is to calculate the summation of two integers.
- Input Format:** `APlusB.plus(a, b)`, where a, b are integers and $-1000000 \leq a, b \leq 1000000$.
- Output Format:** `APlusB.plus(a, b)` should return an integer, which is the summation of a and b .
- Sample Input:**

```
System.out.println(APlusB.plus(1, 3));
System.out.println(APlusB.plus(-100, 99));
System.out.println(APlusB.plus(999, 1));
```

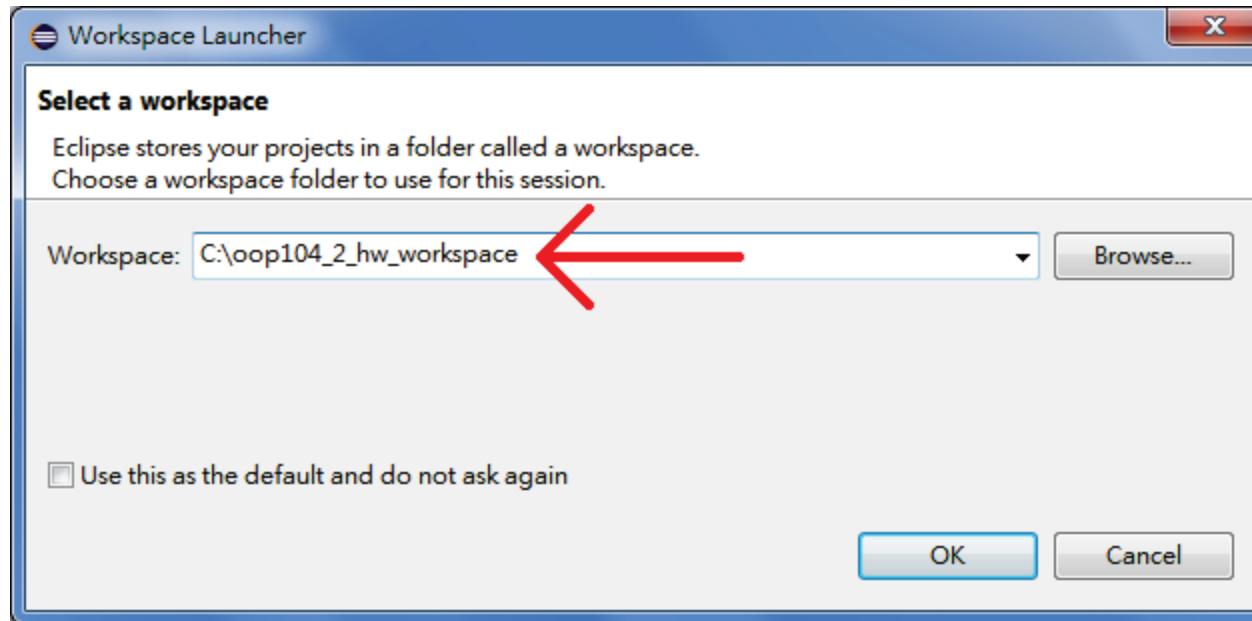
Right Screenshot (Submission Form):

- Code Input:** `System.out.println(APlusB.plus(999, 1));`
- Sample Output:**

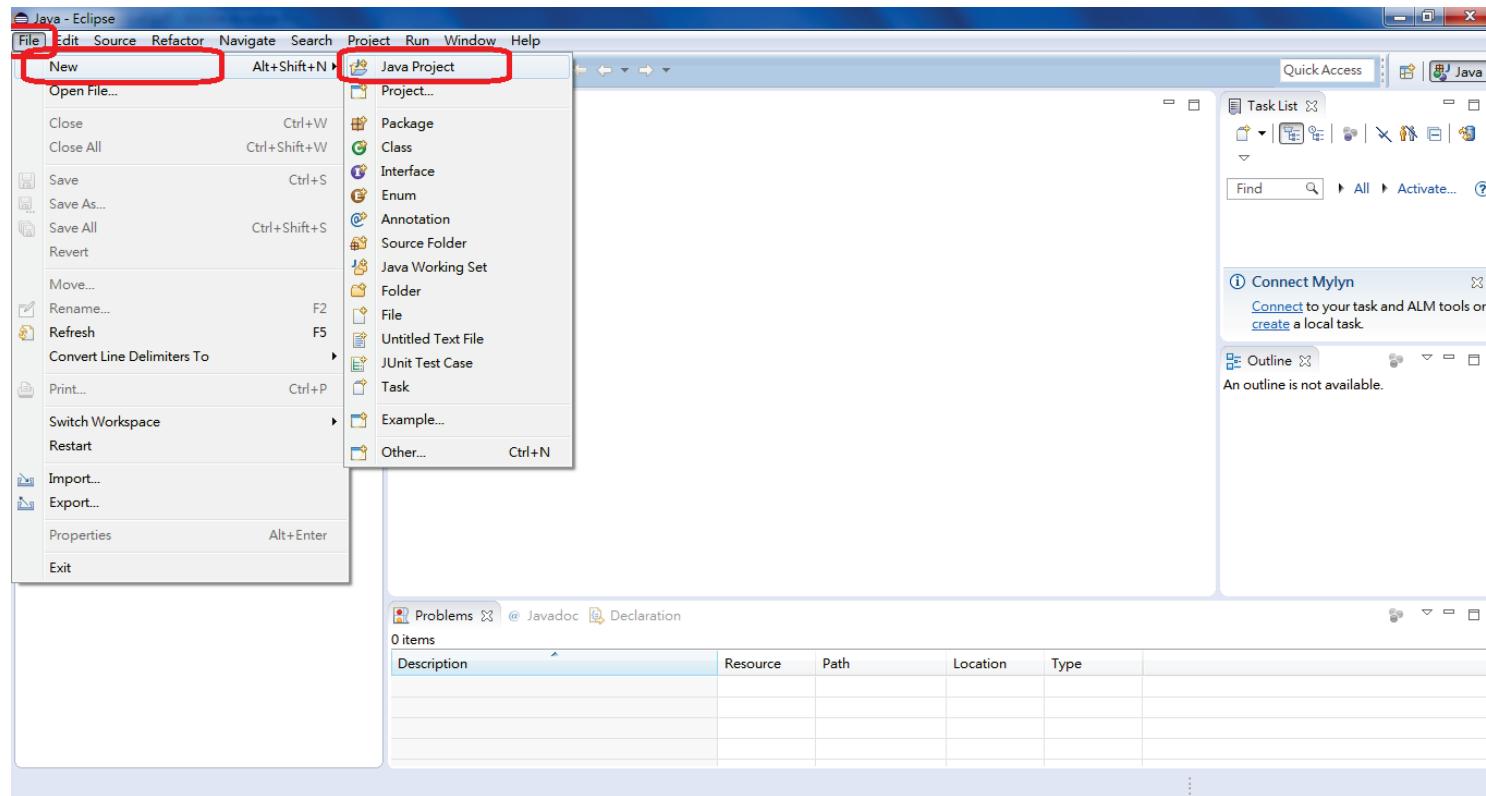
```
4
-1
1000
```
- Required Files:** `APlusB.java` (Submitted)
- Buttons:** SUBMIT
- My Submissions:** A table with columns ID, Status, and Datetime.
- Developed by 梁浩輝 (B02505012) and 李詩龍 (B02505006)
Credits to ADA2015 for inspiration.

Step 9-3 Problem 1 的要求：建立資料夾(名稱為 1)，並且在裡面放要繳交的 APlusB.java 檔案

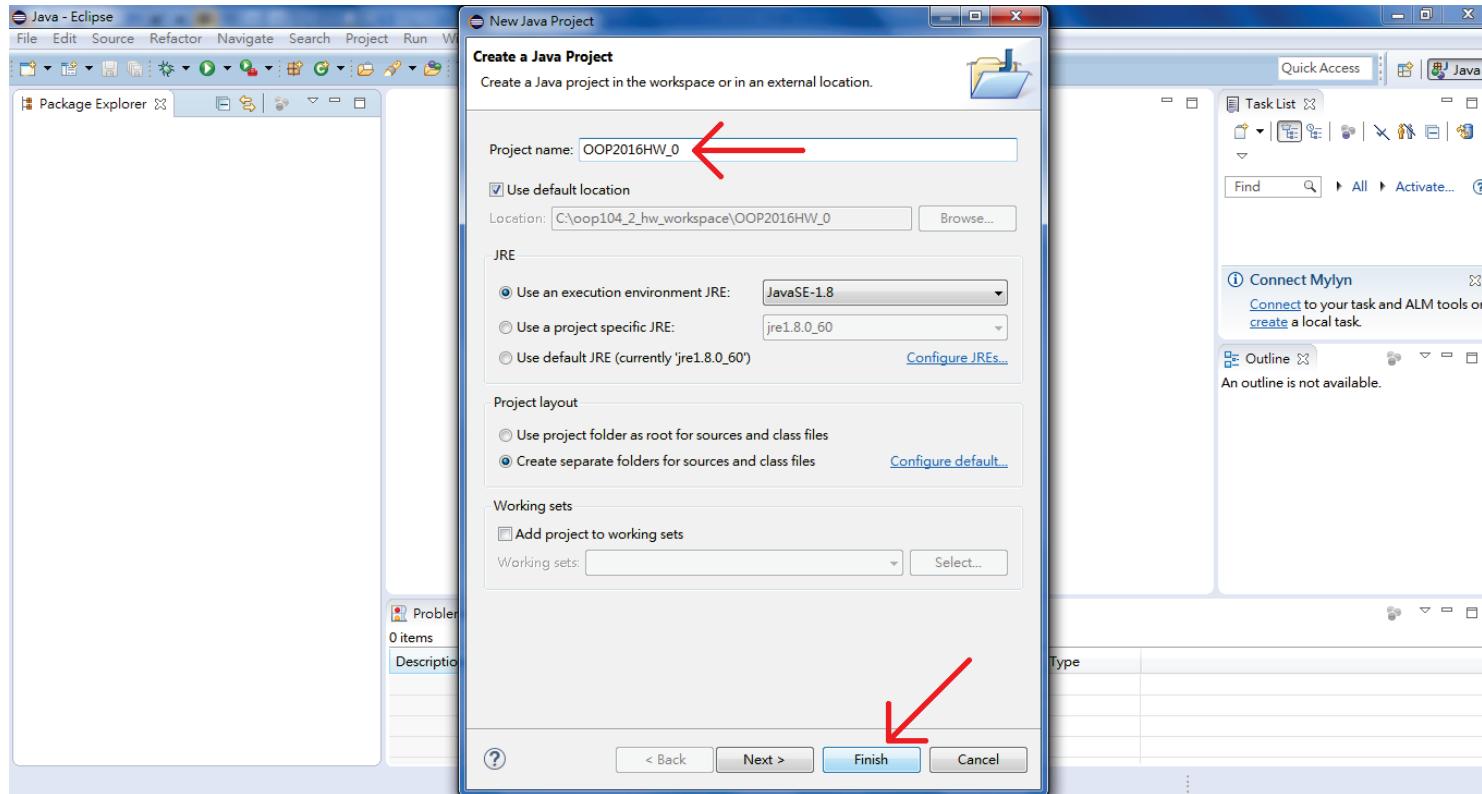
首先，打開 Eclipse，指定workspace 路徑 (Eclipse會將檔案放在workspace)



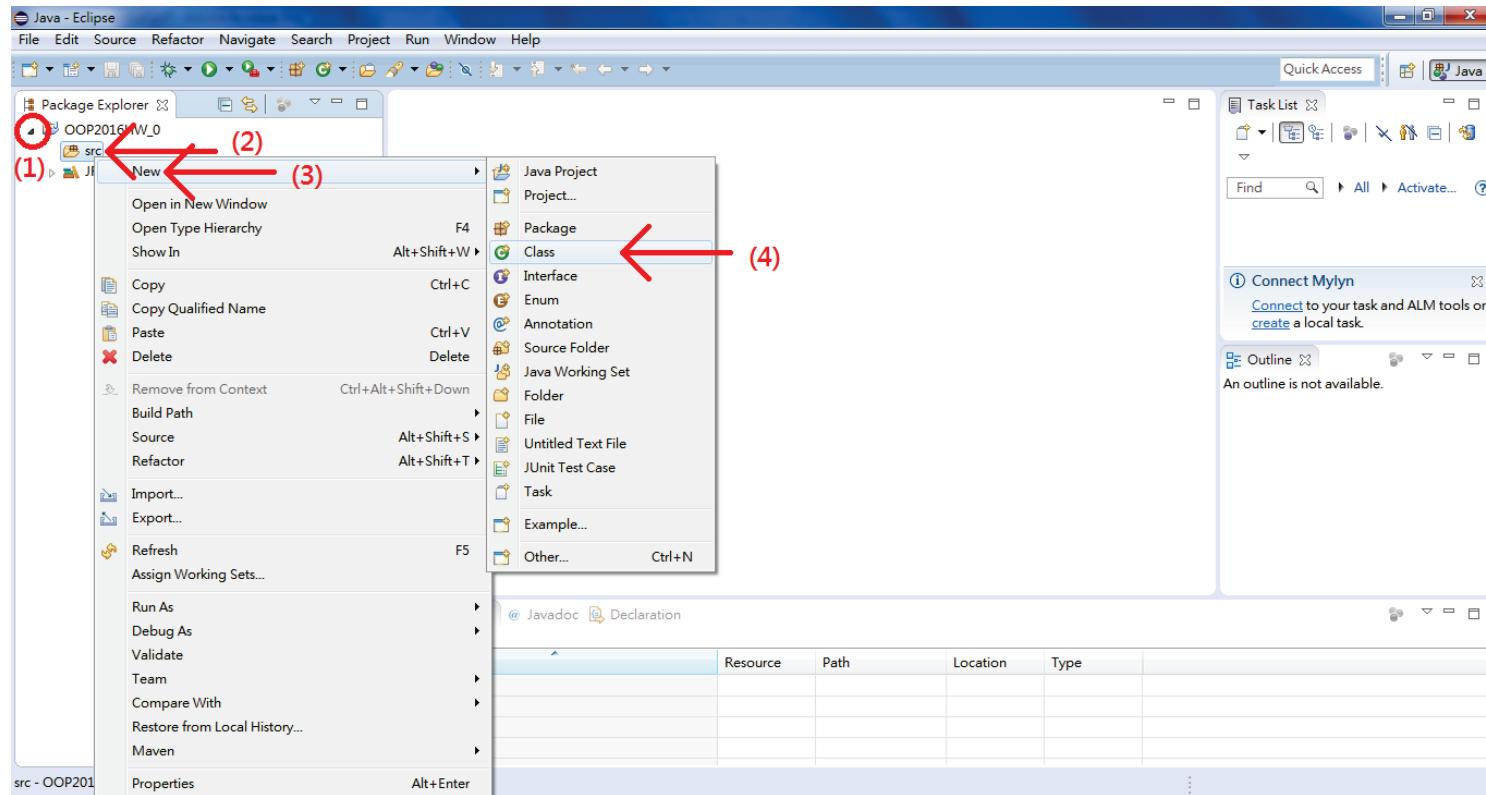
Step 9-4 File -> New -> Java Project



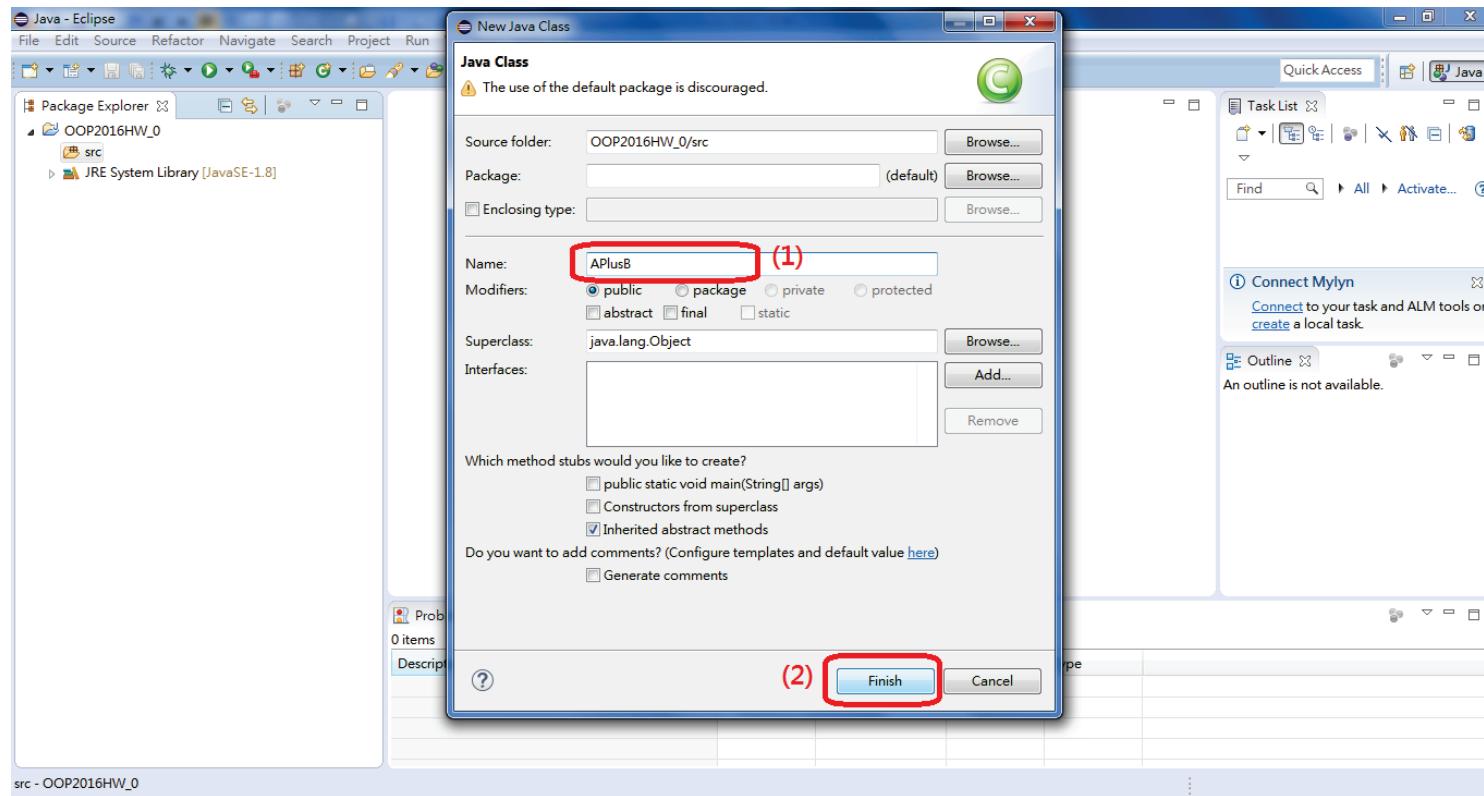
Step 9-5 設定 Project name 後按下 Finish 這個步驟會產生一個新的 Project



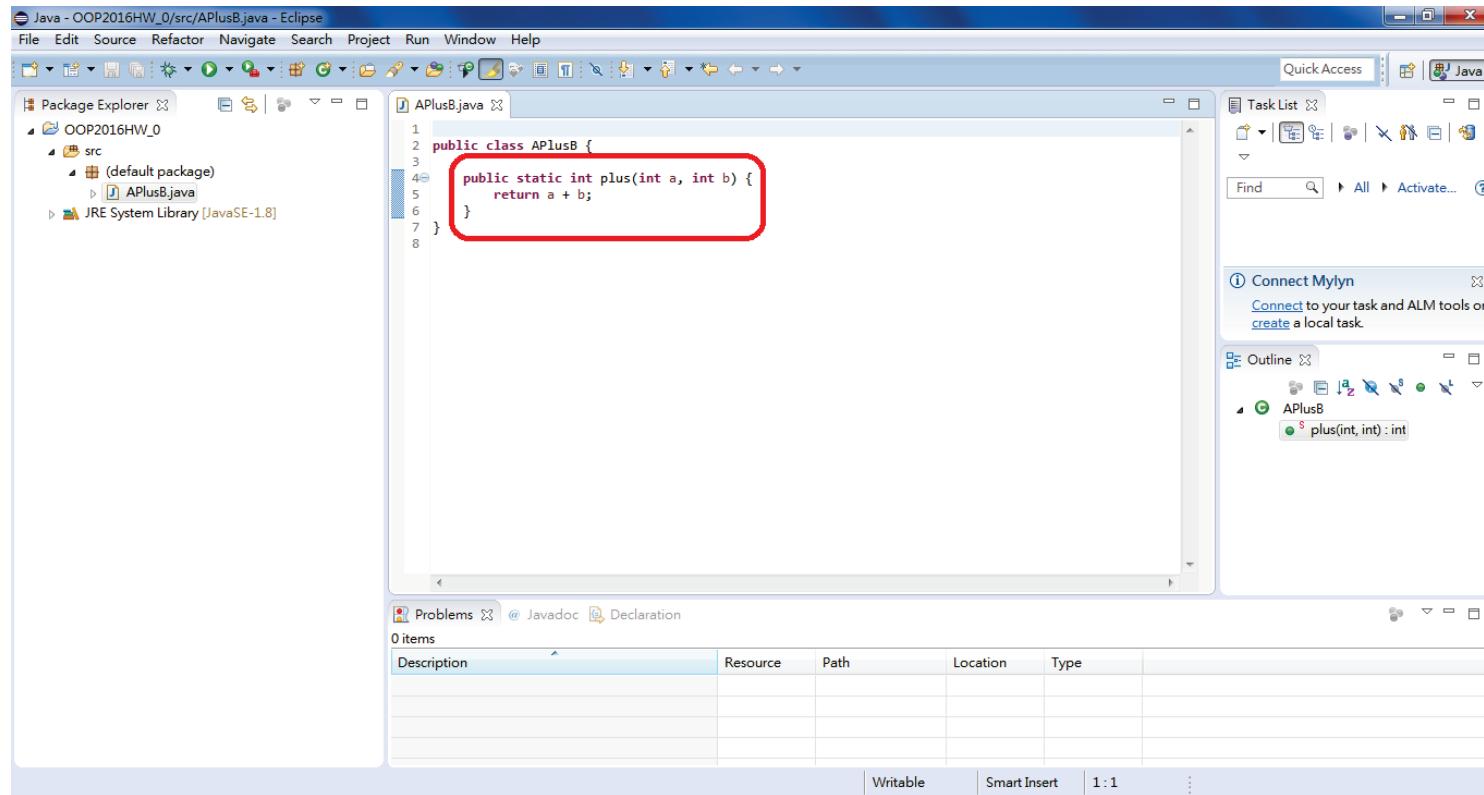
Step 9-6 再去這個 Project 裡面找到 src 資料夾，按下右鍵 New -> Class



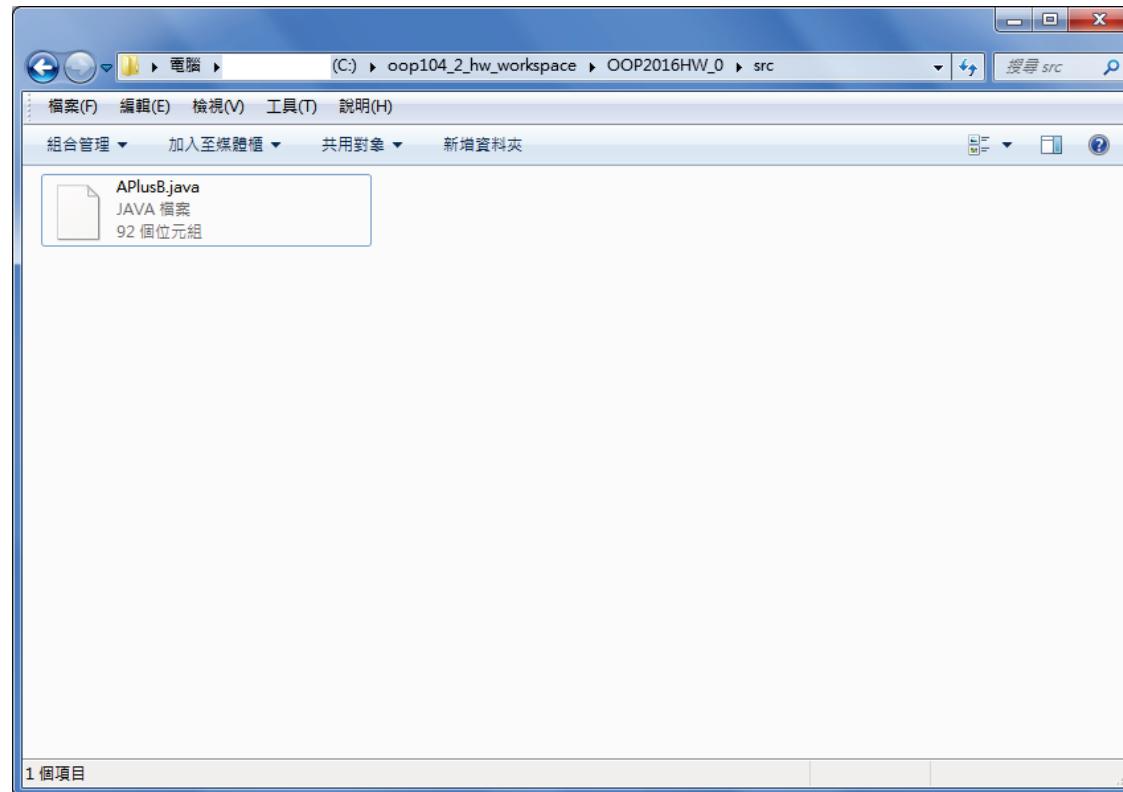
Step 9-7 建立一個名為 APlusB 的 Class 按下 Finish



Step 9-8 撰寫 APlusB 的內容 (本題不計分，直接附上Code)



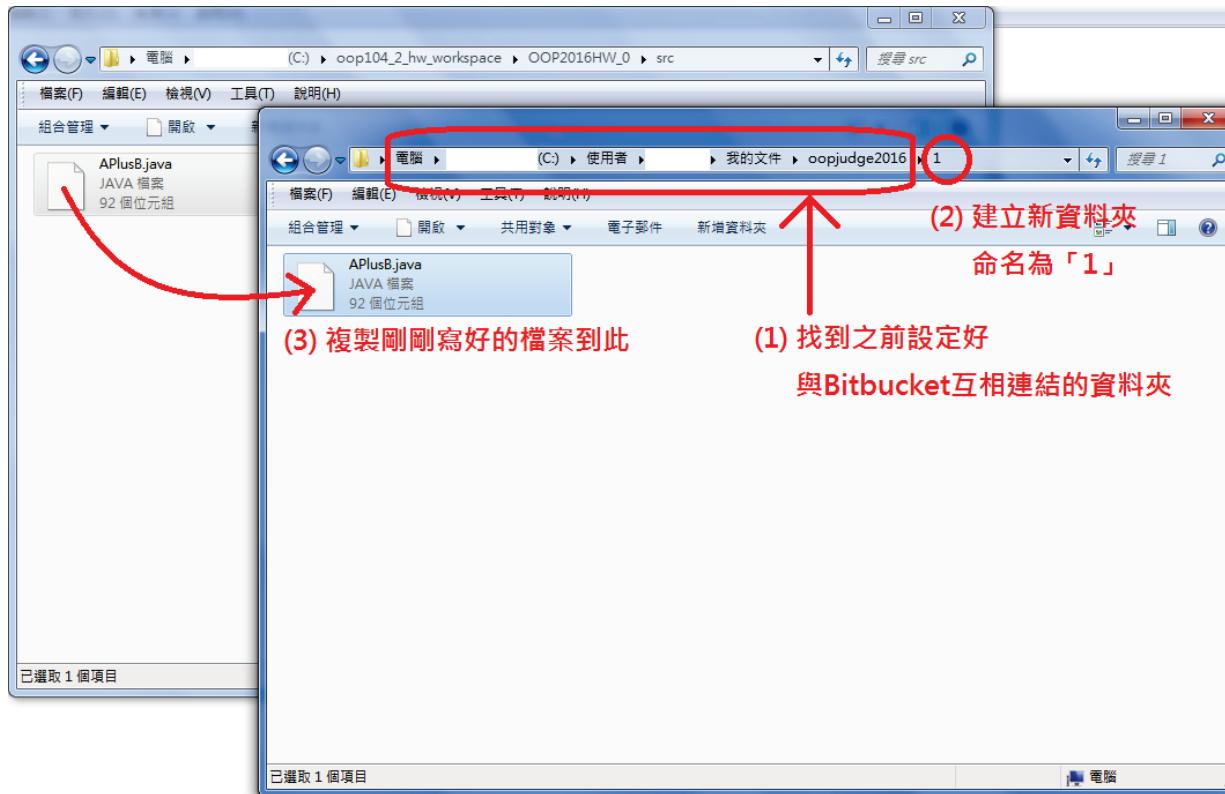
Step 9-9 寫完後，到你剛剛設定的 workspace 裡專案資料夾的 src/ 裡面可以看到 APlusB.java 的檔案



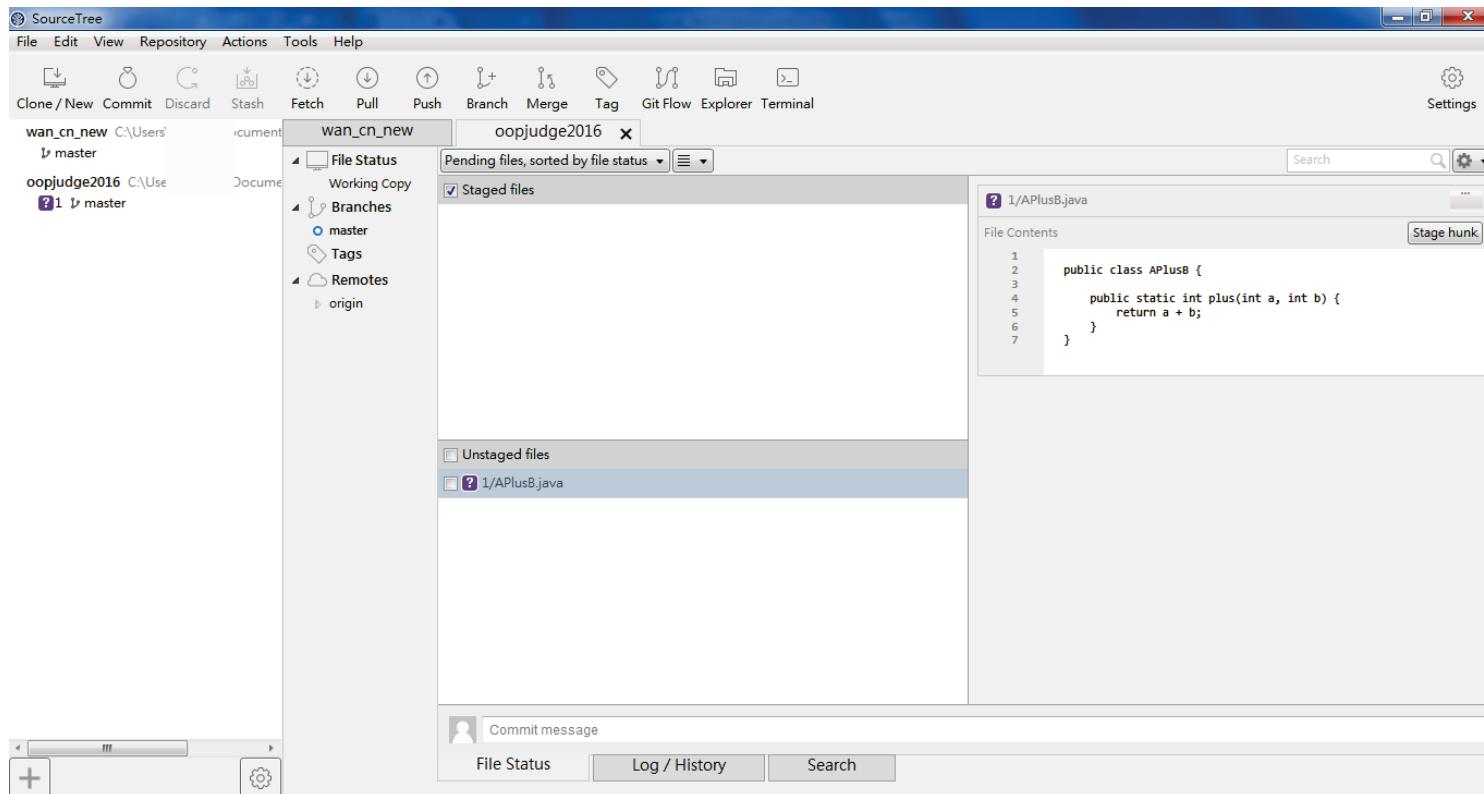
Step 9-10 把這個要繳交的Java檔案複製到我在Step 5-2所述那個oopjudge2016資料夾中

由於我們這次要解的 Problem ID 是 1

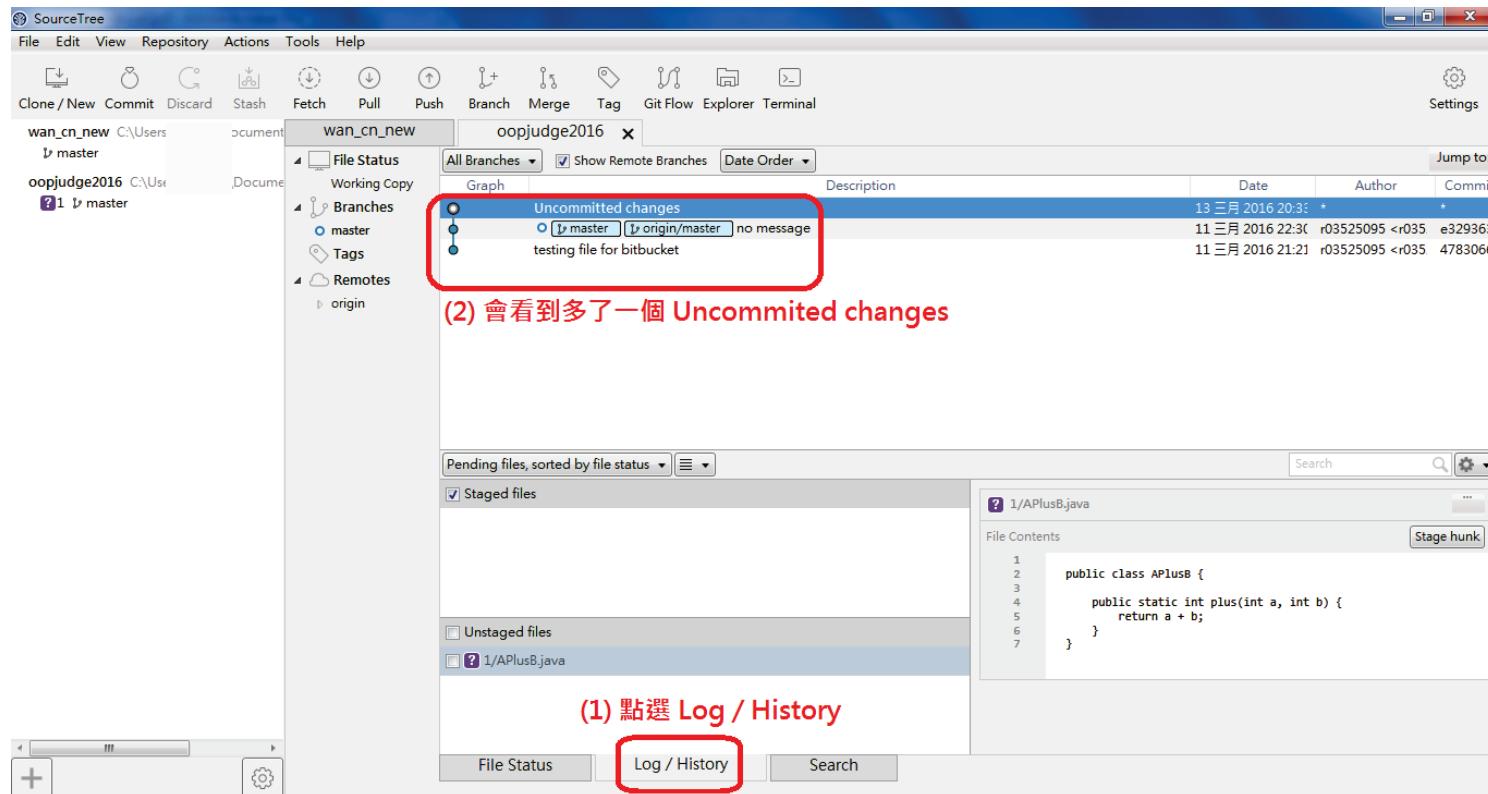
所以要在資料夾中先建立一個名稱為 1 的資料夾，並且把要繳交的檔案裝到 1 資料夾當中



Step 10 使用 SourceTree 上傳作業到 BitBucket 並且在 OOPJudge 裡面批改

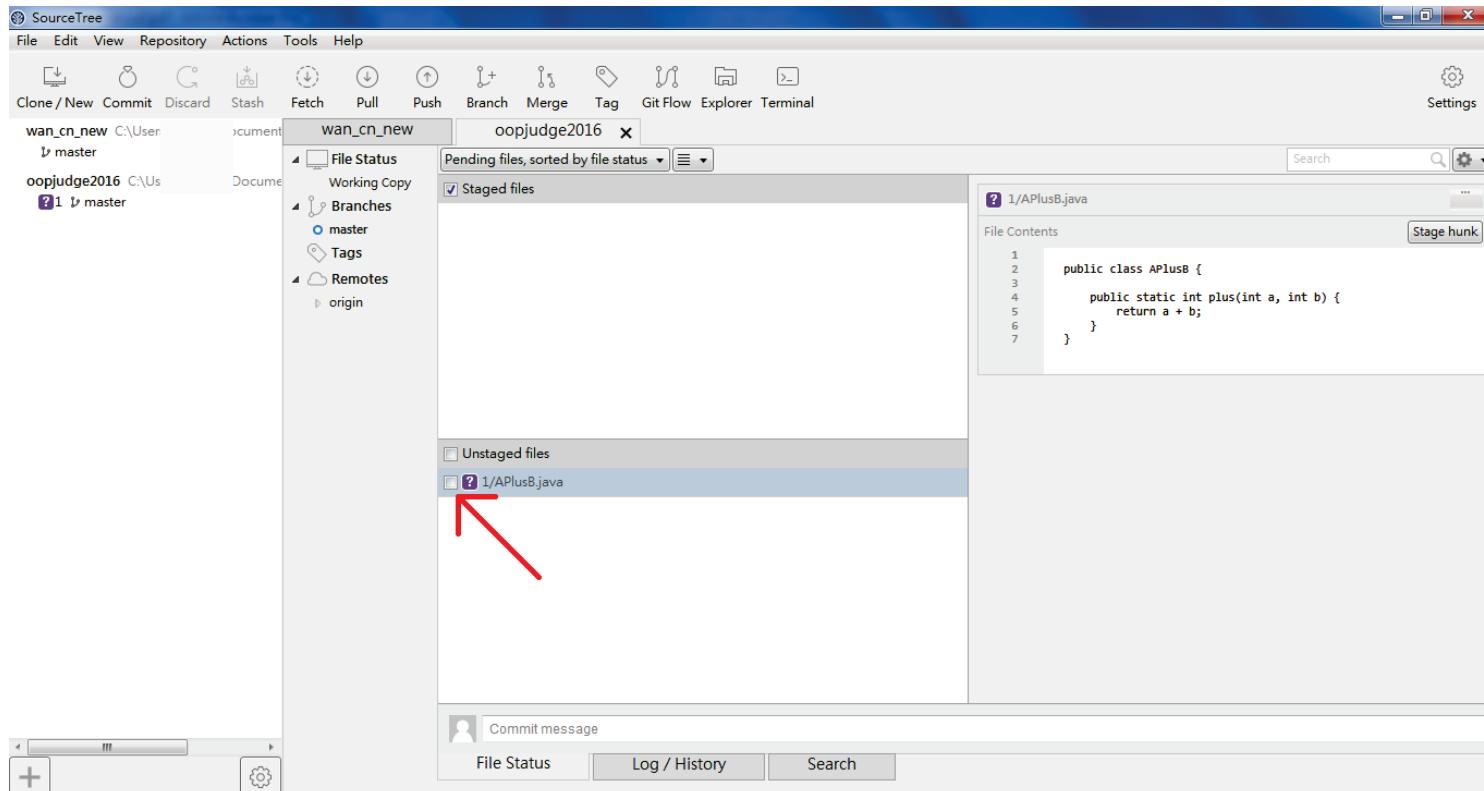


Step 10-2 打開 SourceTree 會看到多了一個 Uncommitted changes，點擊它會看到剛剛加入的 APlusB.java



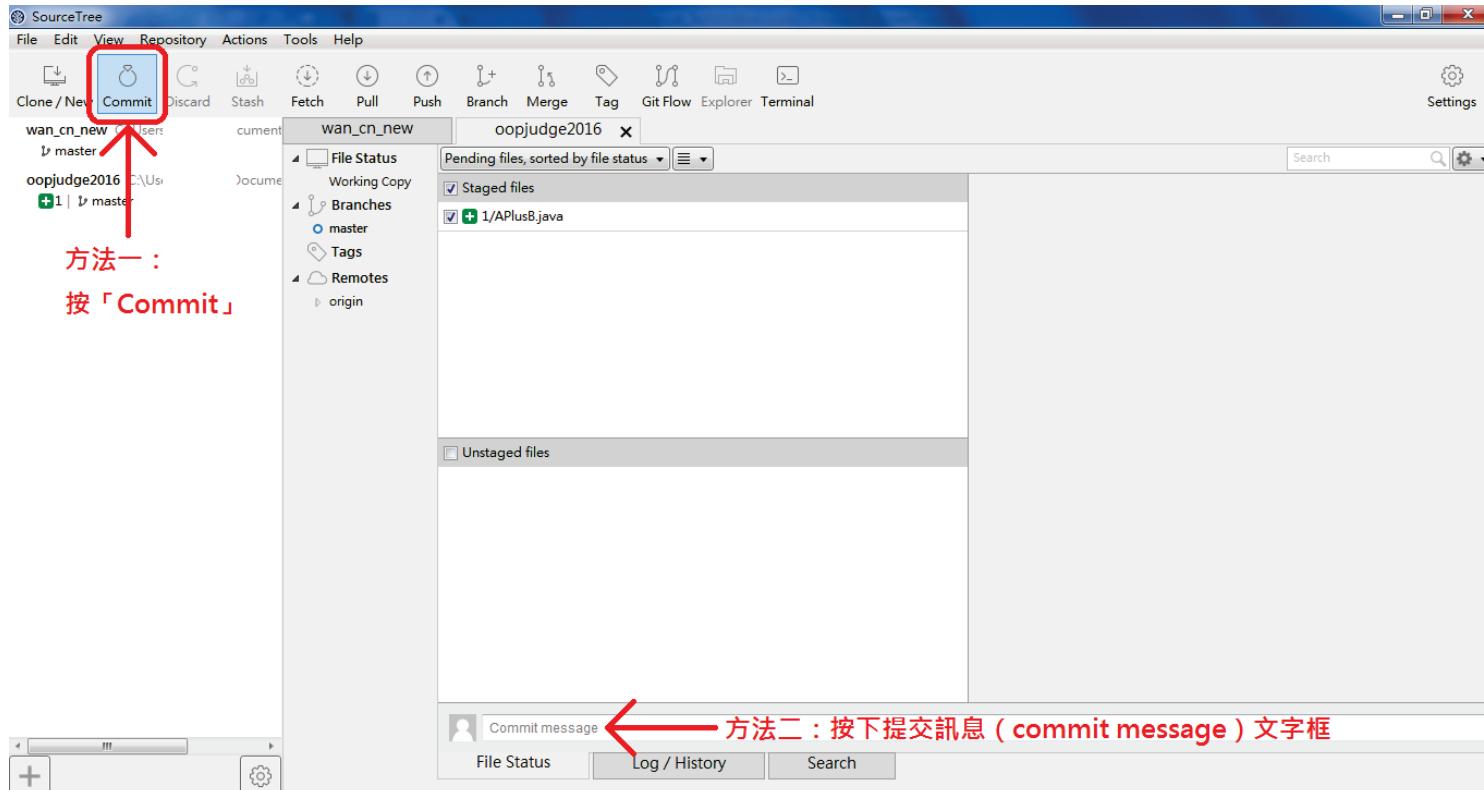
Step 10-3 比照Step 6 方法

勾選後 ->按下提交 (Commit) ->需撰寫 Commit message ->推送(Push)



Step 10-4 比照Step 6 方法

勾選後 -> 按下提交 (Commit) -> 需撰寫 Commit message -> 推送(Push)

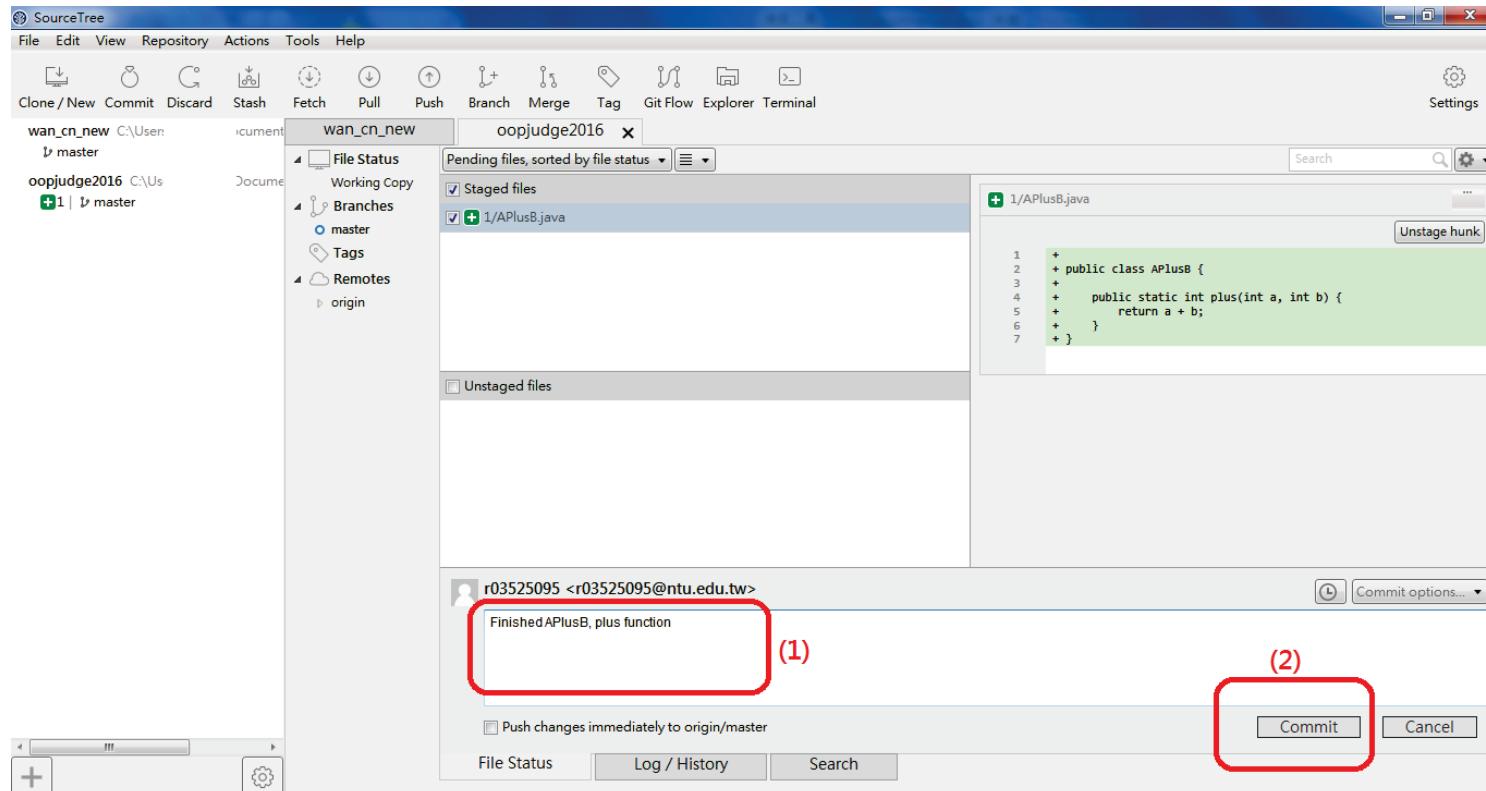


方法一：
按「Commit」

方法二：按下提交訊息 (commit message) 文字框

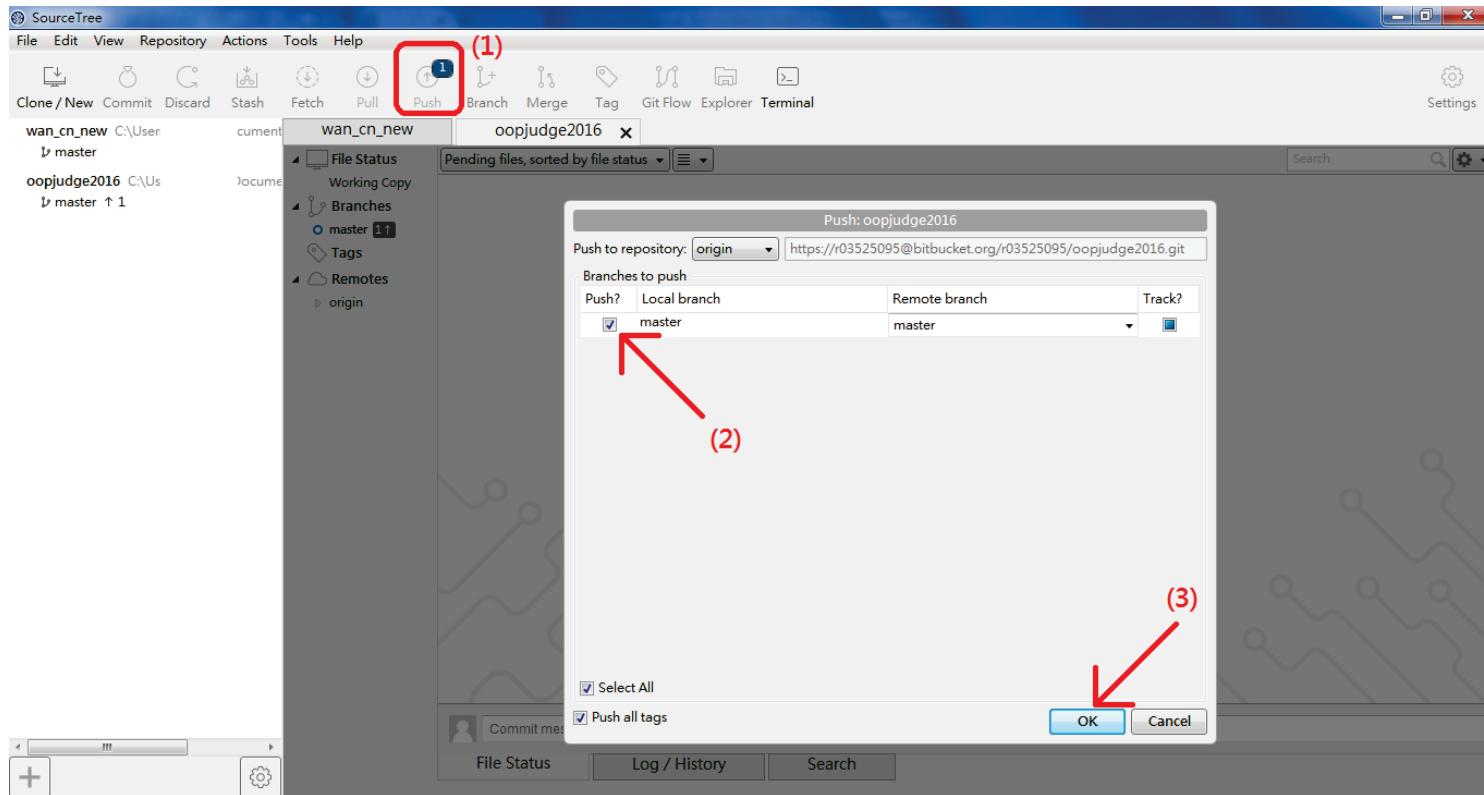
Step 10-5 比照Step 6 方法

勾選後 -> 按下提交 (Commit) -> 需撰寫 Commit message -> 推送(Push)

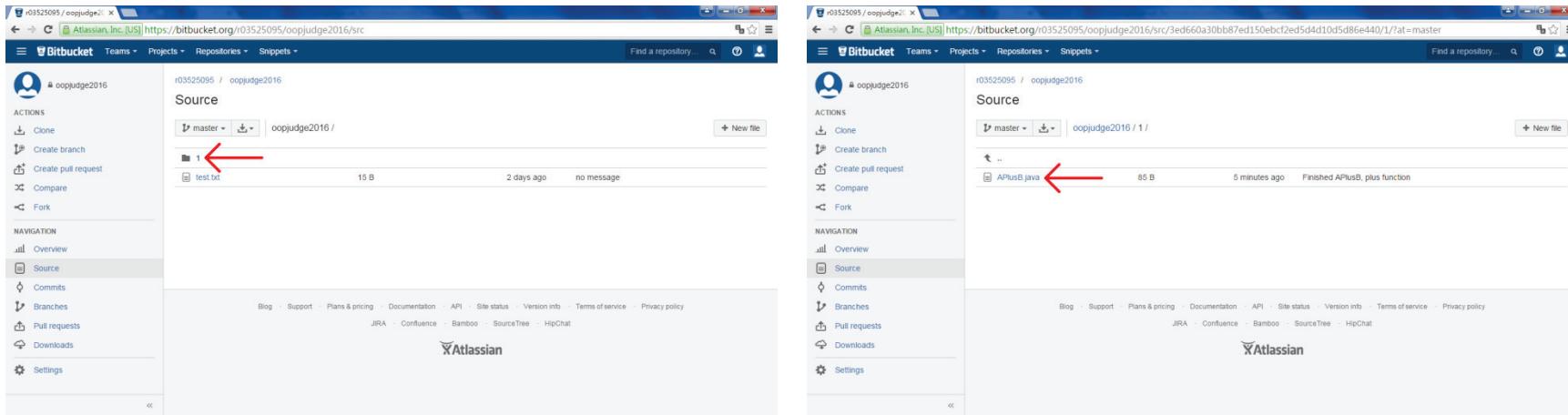


Step 10-6 比照Step 6 方法

勾選後 -> 按下提交 (Commit) -> 需撰寫 Commit message -> **推送(Push)**



Step 10-7 會成功 Push 到你的 Bitbucket Repository 裡面！



Step 10-8 確認剛剛的 1 資料夾已經成功上BitBucket 後去批改系統網站 (oopjudge.cklab.org) 要繳交的題目頁面按下Submit

The image shows two side-by-side screenshots of a web browser displaying the oopjudge.cklab.org website.

Left Screenshot (Home Page):

- The title bar says "ESOE OOP Judge".
- The address bar shows "oopjudge.cklab.org/problems/".
- The main content area has tabs: Home, Problems, Profile.
- A table lists problems:

ID	Title	Solved	Deadline
1	(Sample) A+B	✗	2099-12-31 00:00:00
2	Leap Year	✗	2016-03-21 14:00:00

Right Screenshot (Problem Details Page):

- The title bar says "ESOE OOP Judge".
- The address bar shows "oopjudge.cklab.org/problems/1".
- The main content area has tabs: Home, Problems, Profile.
- A "Sample Output" box contains:

```
4
-
1000
```
- A "Required Files" box contains a file entry:
 - APplusB.java (Submitted)
- A large red box highlights the "SUBMIT" button.
- A "My Submissions" table at the bottom has columns: ID, Status, Datetime.
- The footer credits "Developed by 梁浩揚 (B02505012) and 李軒成 (B02505006). Credits to ADA2015 for inspiration."

Step 10-9 系統就會自動去你的 BitBucket 找你的 Java 檔案並且批改後顯示結果！

The image displays two side-by-side screenshots of a web-based programming competition platform. Both screenshots show the same problem page for 'A+B'.

Left Screenshot (Submission Process):

- The title bar says "Submitting..." with a red arrow pointing to it.
- The main area shows the problem statement: "In this problem, you are asked to implement the `APlusB` class. In `APlusB`, there is only a single static method that you should implement, which is named `plus`, and whose function is to calculate the summation of two integers. `APlusB.plus(a, b)`, where a, b are integers and $-1000000 \leq a, b \leq 1000000$. `APlusB.plus(a, b)` should return an integer, which is the summation of a and b ".
- The "Deadline" is listed as 2099-12-31 00:00:00.
- The "Description" section contains the problem details.
- The "Input Format" section specifies `APlusB.plus(a, b)`.
- The "Output Format" section specifies the return value as an integer.
- The "Sample Input" field is empty.

Right Screenshot (Results Page):

- The title bar says "Submitting..." with a red arrow pointing to it.
- The main area shows the "Sample Output" as 4, -1, 1000.
- The "Required Files" section lists `APlusB.java` (Submitted).
- The "SUBMIT" button is visible.
- The "My Submissions" table has one row:

ID	Status	Datetime
138	Submitting	2016-03-13 21:00:37
- At the bottom, it says "Developed by 梁浩鏗 (B02505012) and 季蔚成 (B02505006). Credits to ADA3015 for inspiration."

Step 10-10 待系統上傳完畢， 即可看到批改結果

The image consists of two side-by-side screenshots of a web browser displaying the ESOE OOP Judge system.

Screenshot 1 (Left): Problem List

- The browser title bar says "ESOE OOP Judge".
- The address bar shows "oopjudge.cklab.org/problems/".
- The navigation menu at the top includes "Home", "Problems" (which is highlighted with a red box), and "Profile".
- A sub-menu "(1) 回到題目列表" is visible.
- A table lists two problems:

ID	Title	Solved	Deadline
1	(Sample) A+B	✓	2099-12-31 00:00:00
2	Leap Year	✗	2016-03-21 14:00:00

- A red arrow points from the text "(2) 已成功解題！" to the green checkmark in the "Solved" column of the second row.

Screenshot 2 (Right): Submission Details

- The browser title bar says "ESOE OOP Judge".
- The address bar shows "oopjudge.cklab.org/problems/1/".
- The navigation menu at the top includes "Home", "Problems", and "Profile".
- A section titled "Sample Output" contains the text:

```
4
-1
1000
```
- A section titled "Required Files" contains a list:
 - AplusB.java (Submitted)
- A blue "SUBMIT" button is present.
- A section titled "My Submissions" displays a table of submissions:

ID	Status	Datetime
138	Accepted	2016-03-13 21:00:37

- A red box highlights the "Accepted" status in the "Status" column of the first submission row.

綜合上述步驟簡單解釋就是

