

Submit Assignments to Gitlab

NetDB
CS, NTHU

Last Modified: 2015/09/30

Notice

- These slides will focus on how to submit via Git command line.
- You may use alternative GUI tools such as SourceTree and GitUp.

Git

- For following steps, you must have Git installed.
- Please refer to our appendix “Git Command-line Tool Installation” for more details.

Workflow

- For each assignment, you should follow the workflow below:
 1. Fork our template repository on Gitlab.
 2. Clone the **forked** repository to your computer.
 3. Finish your assignment.
 4. Commit changes in your computer.
 5. Push to Gitlab.
 6. Send merge request to our template repository.

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Fork

1. Go to our template repository

2014 Software Studio / Assignment1 - Tracing Memory

Search in this project

Activity Files Commits Network Graphs Issues 0 Merge Requests Wiki Settings

2014 Software Studio / Assignment1 - Tracing Memory

SSH HTTP <http://shwu10.cs.nthu.edu.tw/2014-software-studio/>

1 commit 1 branch 0 tags 0.08 MB

小山 pushed new branch master at 2014 Software Studio / Assignment1 - Tracing Memory about a minute ago

★ Star 0

Fork repository 0

Download zip

Compare code

README.md

Created on Oct 09, 2014

Owned by 2014 Software Studio group

2. Choose "Fork repository"

3. Check if this repository is under your account

The screenshot shows the GitHub interface for a repository named 'Assignment1 - Tracing Memory' owned by '軟實學生'. The repository name is highlighted in a red box in the top navigation bar. Below the navigation bar, the repository name is repeated, followed by a red box around the 'Settings' link in the top right. A red callout box with the text '4. Click "Settings"' points to the 'Settings' link. The main content area shows a recent activity log entry: '軟實學生 joined project at 軟實學生 / Assignment1 - Tracing Memory' with a timestamp of 'less than a minute ago'. On the right side, there are buttons for 'Star' (0), 'Download zip', 'Compare code', and 'README.md'. At the bottom, it says 'Created on Oct 09, 2014' and 'Owned by 軟實學生'.

軟實學生 / Assignment1 - Tracing Memory

Search in this project

Activity Files Commits Network Graphs Issues 0 Merge Requests Wiki Settings

軟實學生 / Assignment1 - Tracing Memory

SSH HTTP git@shwu10.cs.nthu.edu.tw:ssh://git@shwu10.cs.nthu.edu.tw:2222/softreal/Assignment1 - Tracing Memory.git

4. Click "Settings"

軟實學生 joined project at 軟實學生 / Assignment1 - Tracing Memory less than a minute ago

Forked from: 2014 Software Studio / Assignment1 - Tracing Memory

★ Star 0

Download zip

Compare code

README.md

Created on Oct 09, 2014

Owned by 軟實學生

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Clone

The screenshot shows the GitHub interface for a repository named 'Assignment1 - Tracing Memory' by user '軟實學生'. The repository has 1 commit, 1 branch, 0 tags, and a size of 0.08 MB. A red callout box labeled '1. Choose 'HTTP'' points to the 'HTTP' button in the cloning options. Another red callout box labeled '2. Copy this link' points to the URL 'http://shwu10.cs.nthu.edu.tw/ssstudent/assignment:'. The page also shows a recent activity log entry: '軟實學生 joined project at 軟實學生 / Assignment1 - Tracing Memory' 4 minutes ago. On the right sidebar, there are options to 'Star' (0), 'Download zip', 'Compare code', and 'README.md'. The repository was created on Oct 09, 2014, and is owned by '軟實學生'.

軟實學生 / Assignment1 - Tracing Memory

Search in this project

Activity Files Commits Network Graphs Issues 0 Settings

軟實學生 / Assignment1 - Tracing Memory

SSH HTTP http://shwu10.cs.nthu.edu.tw/ssstudent/assignment:

1. Choose 'HTTP'

2. Copy this link

1 commit 1 branch 0 tags 0.08 MB

軟實學生 joined project at 軟實學生 / Assignment1 - Tracing Memory 4 minutes ago

Forked from: 2014 Software Studio / Assignment1 - Tracing Memory

★ Star 0

Download zip

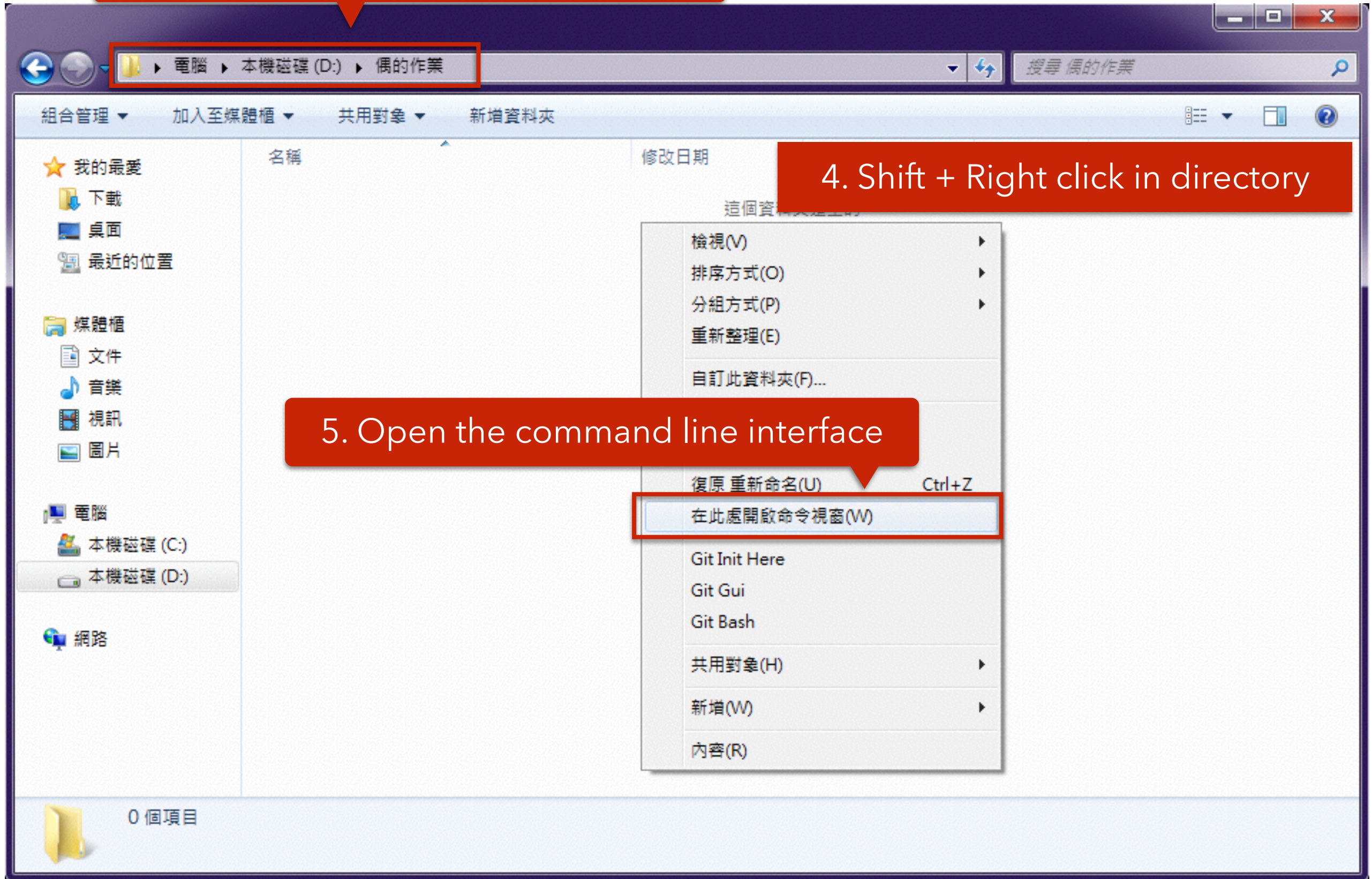
Compare code

README.md

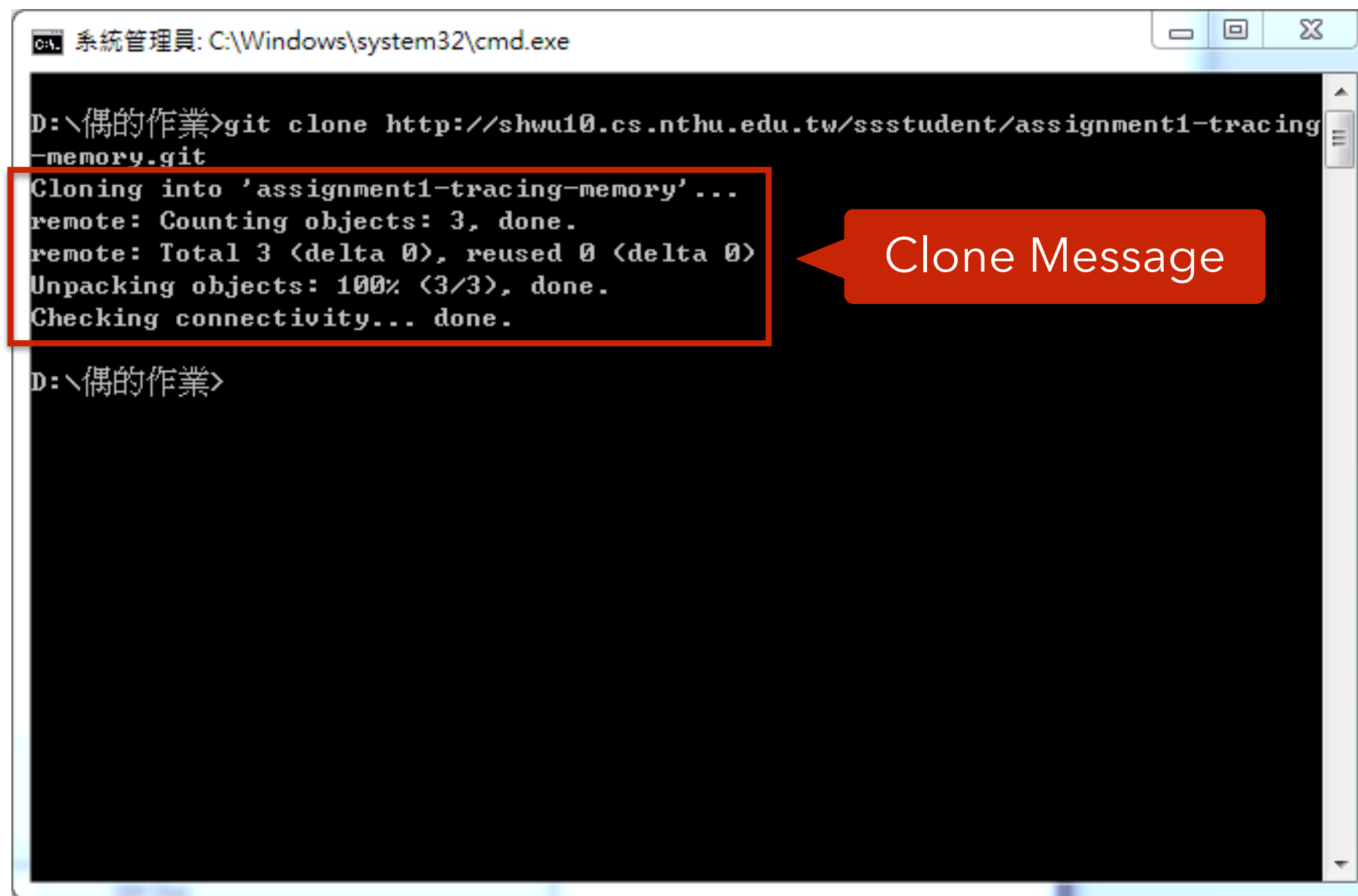
Created on Oct 09, 2014

Owned by 軟實學生

3. Find a space to put this repository



6. Type > git clone [URL]



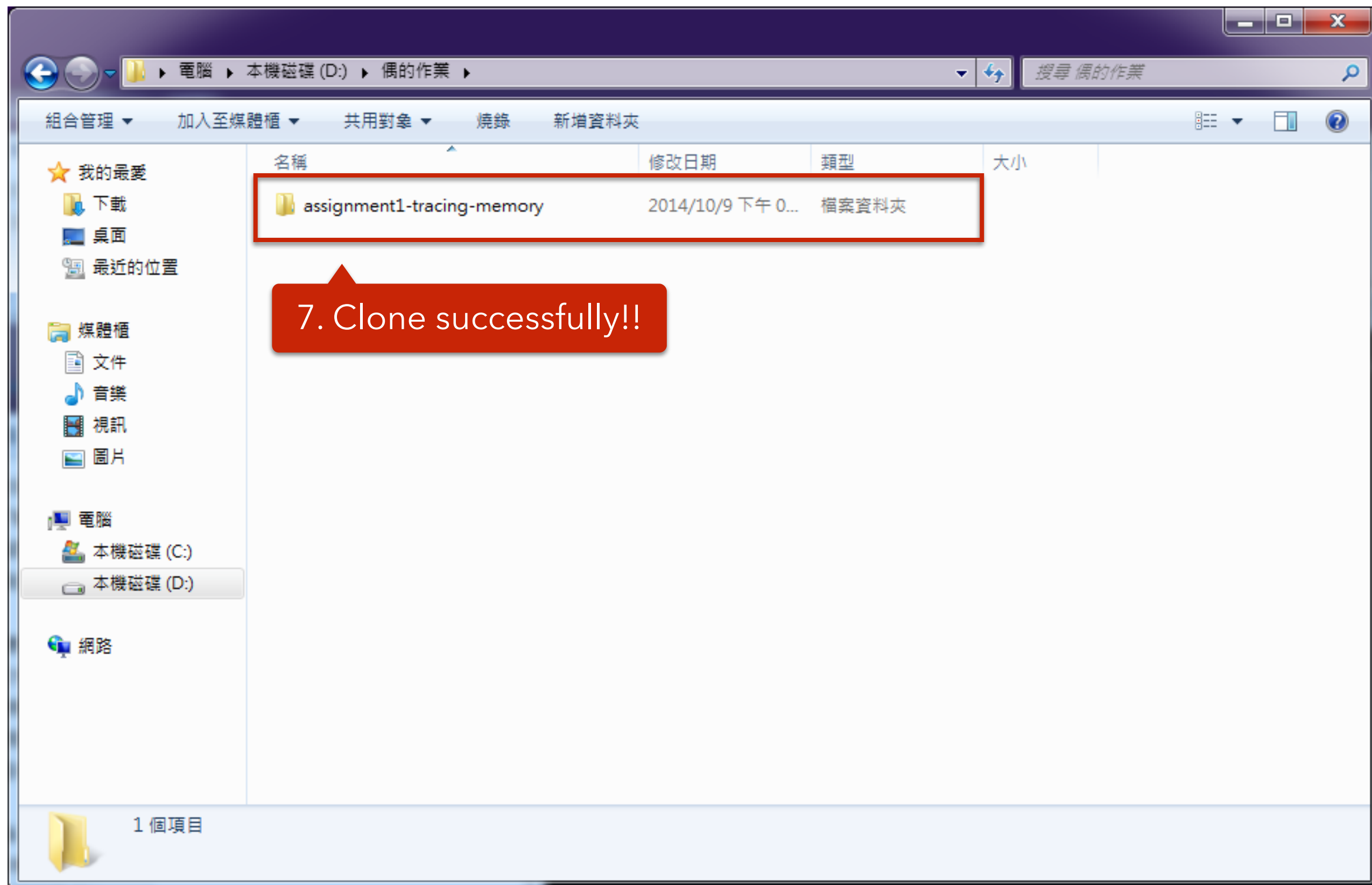
```
系統管理員: C:\Windows\system32\cmd.exe

D:\偶的作業>git clone http://shwu10.cs.nthu.edu.tw/ssstudent/assignment1-tracing-memory.git

Cloning into 'assignment1-tracing-memory'...
remote: Counting objects: 3, done.
remote: Total 3 (delta 0), reused 0 (delta 0)
Unpacking objects: 100% (3/3), done.
Checking connectivity... done.

D:\偶的作業>
```

Clone Message



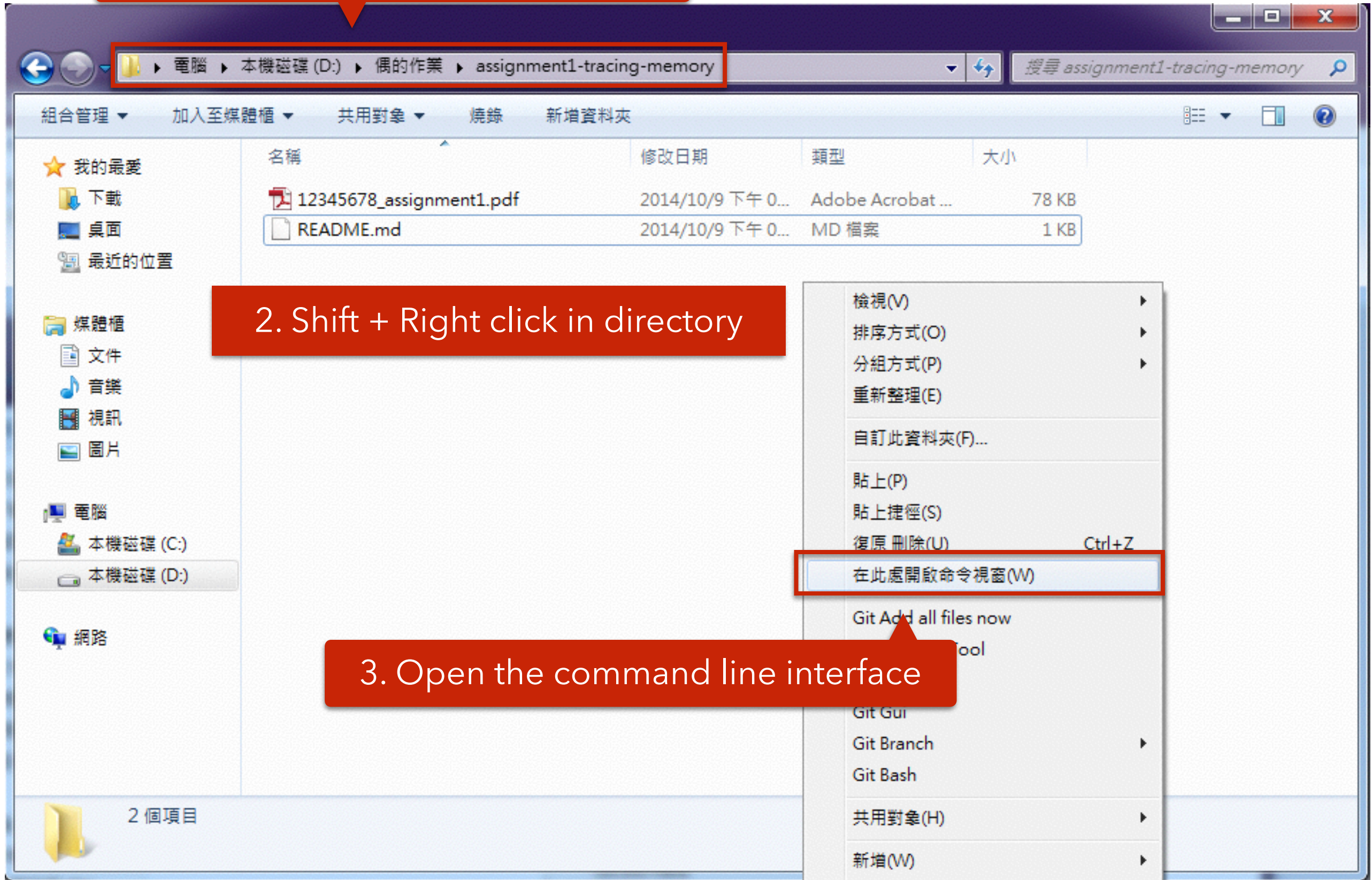
Workflow

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Commit

- After finishing your work, you need to commit changes.
- Two Steps
 - Add files to the staging area.
 - Commit.

1. Go to your repository directory



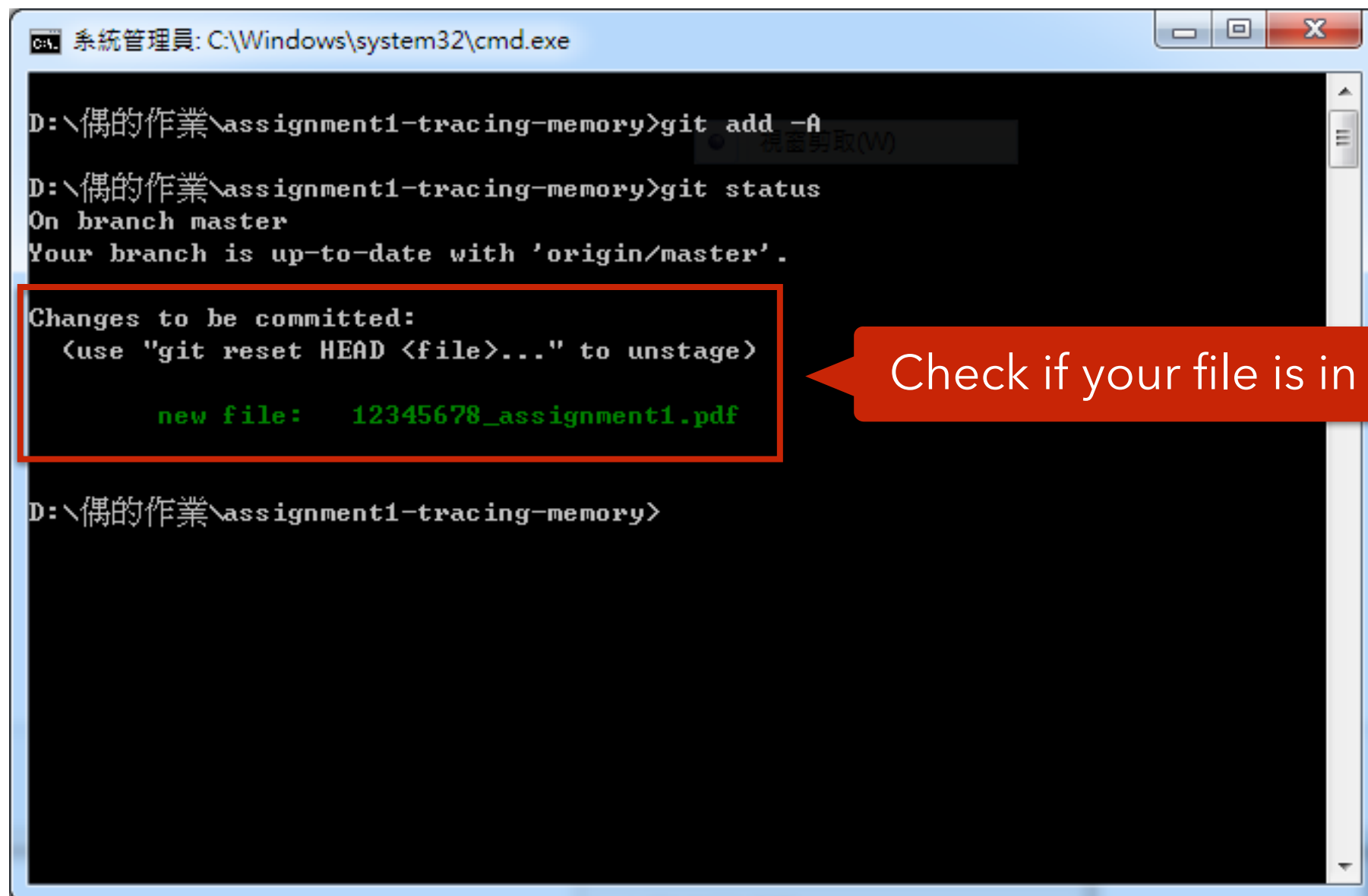
2. Shift + Right click in directory

3. Open the command line interface

4. Type > `git add -A`

- -A means all files

5. Type > `git status`



The screenshot shows a Windows Command Prompt window titled "系統管理員: C:\Windows\system32\cmd.exe". The command prompt is at the directory "D:\偶的作業\assignment1-tracing-memory". The user has entered the command `git add -A`, followed by `git status`. The output of `git status` is displayed, showing the current branch is master and it is up-to-date with 'origin/master'. A section titled "Changes to be committed:" is highlighted with a red box, showing a new file named "12345678_assignment1.pdf" staged for commit. A red callout bubble points to this section with the text "Check if your file is in list".

```
C:\Windows\system32\cmd.exe
D:\偶的作業\assignment1-tracing-memory>git add -A
D:\偶的作業\assignment1-tracing-memory>git status
On branch master
Your branch is up-to-date with 'origin/master'.

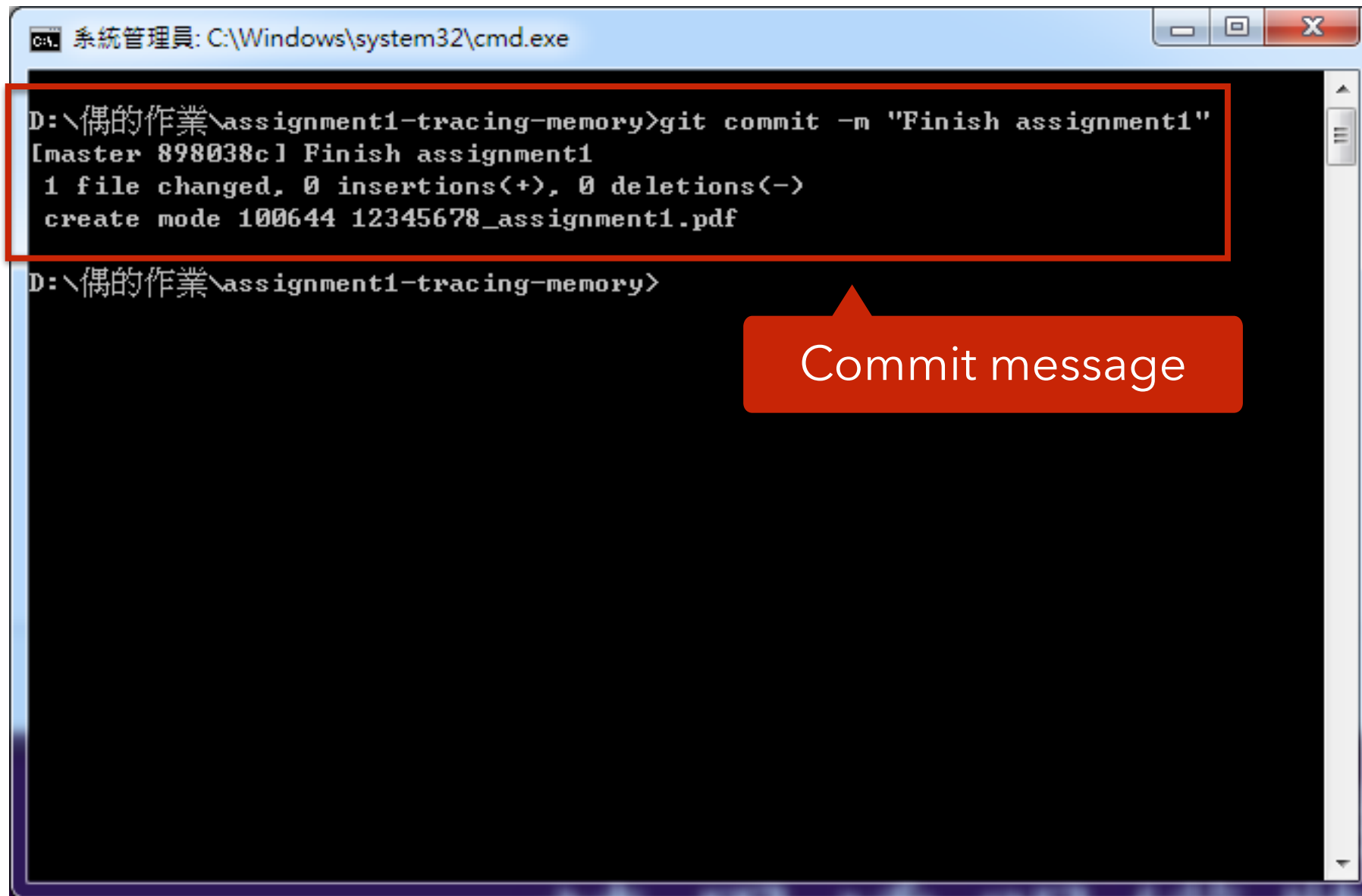
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

    new file:   12345678_assignment1.pdf

D:\偶的作業\assignment1-tracing-memory>
```

Check if your file is in list

6. Type > `git commit -m "[Message]"`



The screenshot shows a Windows command prompt window titled "系統管理員: C:\Windows\system32\cmd.exe". The command prompt is at the directory `D:\偶的作業\assignment1-tracing-memory`. The command `git commit -m "Finish assignment1"` has been executed. The output shows the commit hash `[master 898038c]`, the commit message `Finish assignment1`, and the file changes: `1 file changed, 0 insertions(+), 0 deletions(-)` and `create mode 100644 12345678_assignment1.pdf`. A red box highlights the output lines. A red callout box with the text "Commit message" points to the commit message in the output.

```
D:\偶的作業\assignment1-tracing-memory>git commit -m "Finish assignment1"
[master 898038c] Finish assignment1
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 12345678_assignment1.pdf

D:\偶的作業\assignment1-tracing-memory>
```

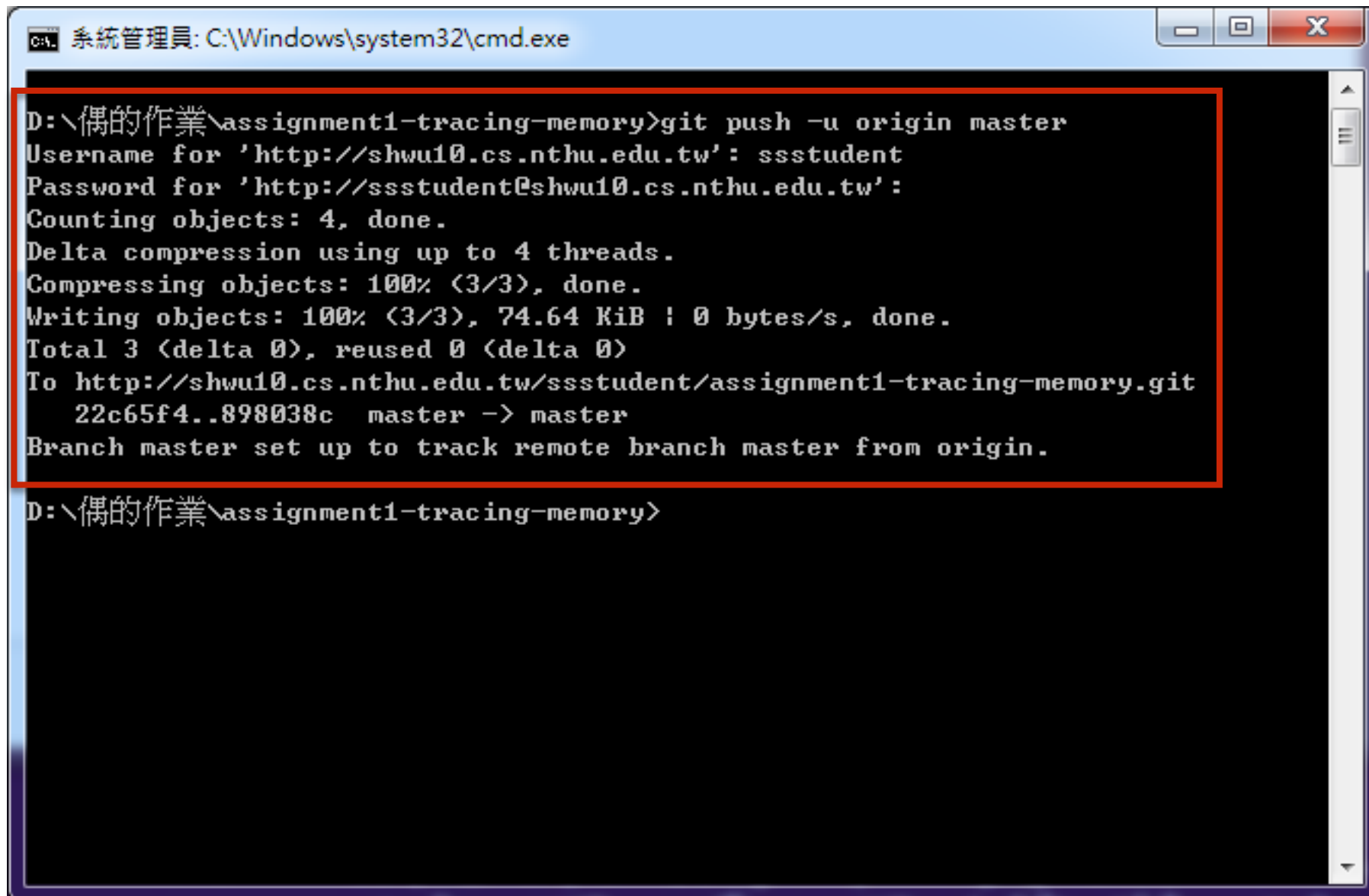
Commit message

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Push

- Type `> git push -u origin master`



```
系統管理員: C:\Windows\system32\cmd.exe

D:\偶的作業\assignment1-tracing-memory>git push -u origin master
Username for 'http://shwu10.cs.nthu.edu.tw': ssstudent
Password for 'http://ssstudent@shwu10.cs.nthu.edu.tw':
Counting objects: 4, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 74.64 KiB | 0 bytes/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To http://shwu10.cs.nthu.edu.tw/ssstudent/assignment1-tracing-memory.git
    22c65f4..898038c  master -> master
Branch master set up to track remote branch master from origin.

D:\偶的作業\assignment1-tracing-memory>
```

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Send Merge Request

1. Go to your repository

The screenshot shows the GitHub interface for a repository named 'Assignment1 - Tracing Memory'. The 'Merge' tab is selected in the top navigation bar. Below the navigation bar, the 'Merge Requests' section is visible. On the left, there are filters for 'Everyone's' (0), 'Assigned to me' (0), and 'Created by me' (0). Below these are filters for 'State' (Open, Closed, All) and 'Labels'. On the right, there are filters for 'assignee: Any' and 'milestone: Any'. A large box in the center of the page displays the message 'No merge requests to show'. A green button labeled '+ New Merge Request' is located in the top right corner of the 'Merge Requests' section.

軟實學生 / Assignment1 - Tracing Memory

Search in this project

Activity Files Commits Network Graphs Issues 0 Merge Wiki Settings

Merge Requests

+ New Merge Request

Everyone's 0

Assigned to me 0

Created by me 0

State

Open Closed All

Labels

assignee: Any milestone: Any

No merge requests to show

2. Choose "Merge Request"

3. Click this button

Compare branches for new Merge Request

Source

ssstudent/assign...

Select branch


Select branch

master

Target branch

2014-software-st...

master

22c65f4b6 Init commit
 小山
Browse Code »
about an hour ago

You must select source and target branches

Compare branches

6. Click this button



Activity

Files

Commits

Network

Graphs

Issues 0

Merge

Wiki

Settings

New merge request

From `ssstudent:master` into `2014-software-studio:master`

[Change branches](#)

Title *

12345678 軟實學生

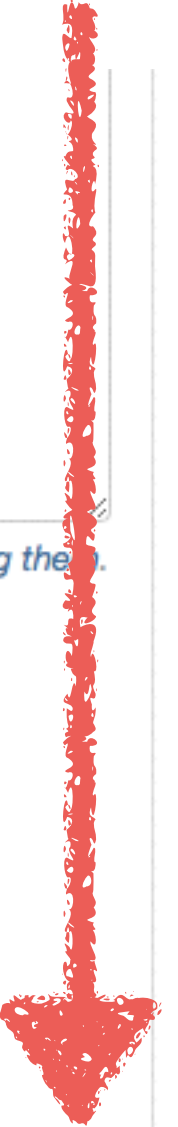
Description

7. Type "[Student ID] [Name]" here

Description is parsed with [GitLab Flavored Markdown](#).

Attach images (JPG, PNG, GIF) by dragging & dropping or selecting them.

8. Scroll down



Description is parsed with [GitLab Flavored Markdown](#).

Attach images (JPG, PNG, GIF) by dragging & dropping or selecting them.

Assign to

Select a user

Assign to me

Milestone

Select milestone


Labels

Submit merge request

Commits (1)

9. Click this button

898038c16 Finish assignment1

 軟實學生

[Browse Code »](#)

37 minutes ago



Activity

Files

Commits

Network

Graphs

Issues 0

Merge Requests

Wiki

Merge Request #1

Download as

Close

Edit

[← To merge requests](#)

From `ssstudent:master` into `2014-software-studio:master`

0 up

0 down

Open

Created by 軟實學生 less than a minute ago

12345678 軟實學生

Assignee:

Select assignee

Milestone:

Select milestone

This can be merged automatically but you don't have the permission to do so.

Commits (1)

898038c16 Finish assignment1

軟實學生

[Browse Code »](#)

39 minutes ago

1 participants

Finish !!