

Software Studio

軟體設計與實驗

Git

Environment Setting

Hung-Kuo Chu

Department of Computer Science
National Tsing Hua University



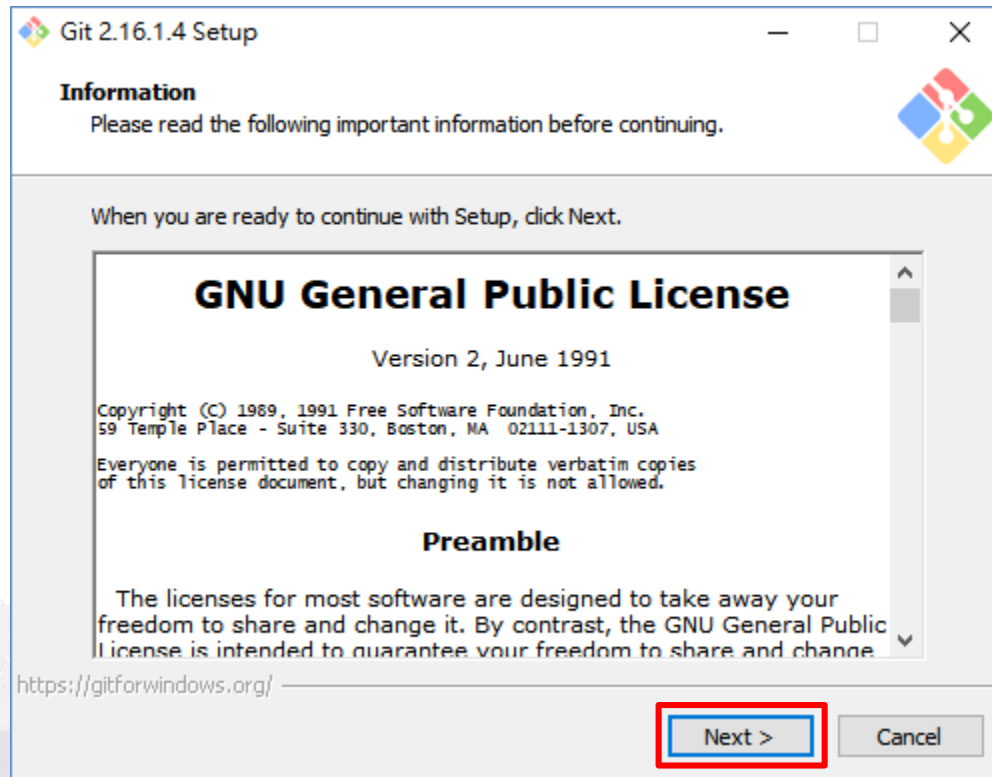
Install Git

- Go to the [link](https://git-scm.com)

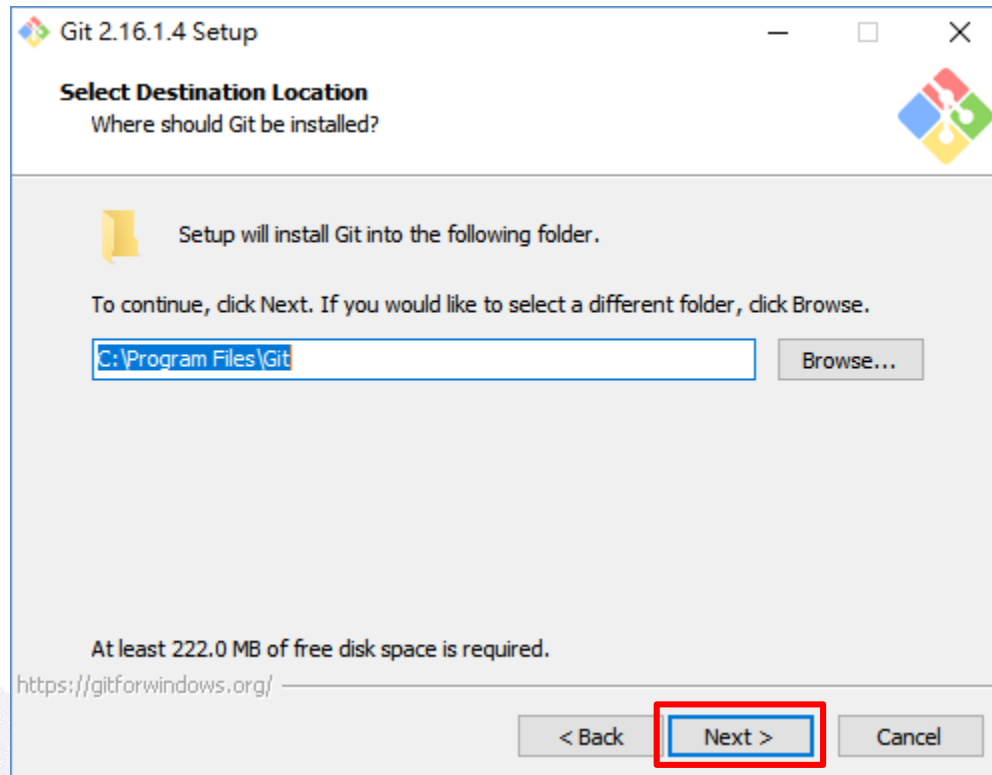


Install Git

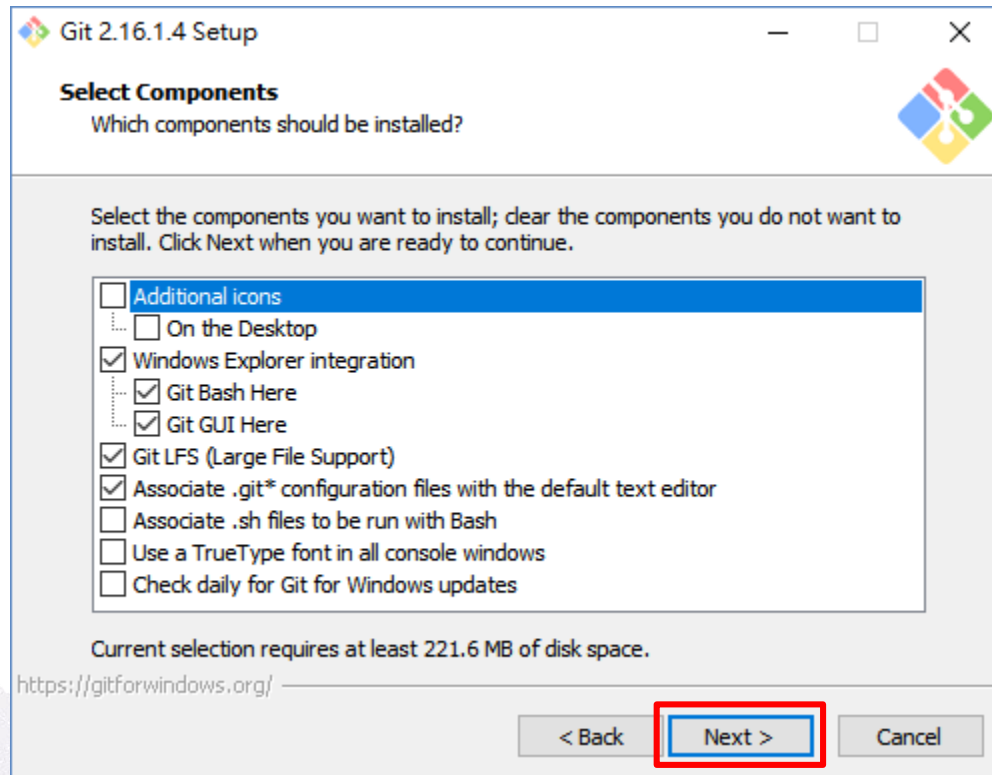
- Download and open the file



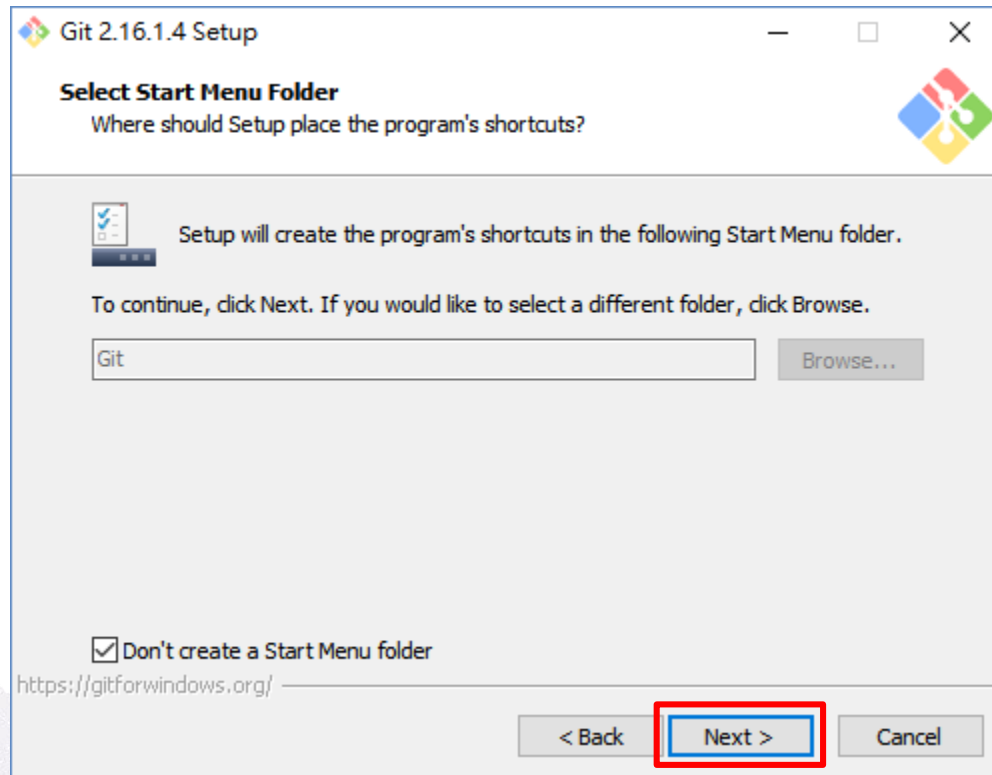
Install Git



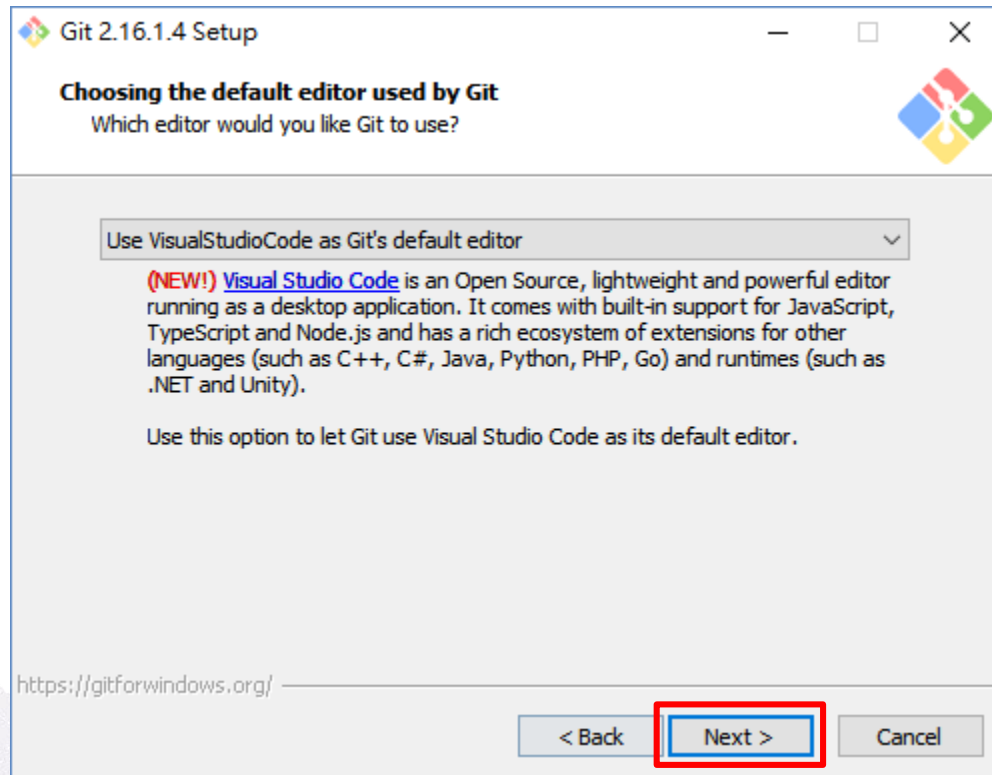
Install Git



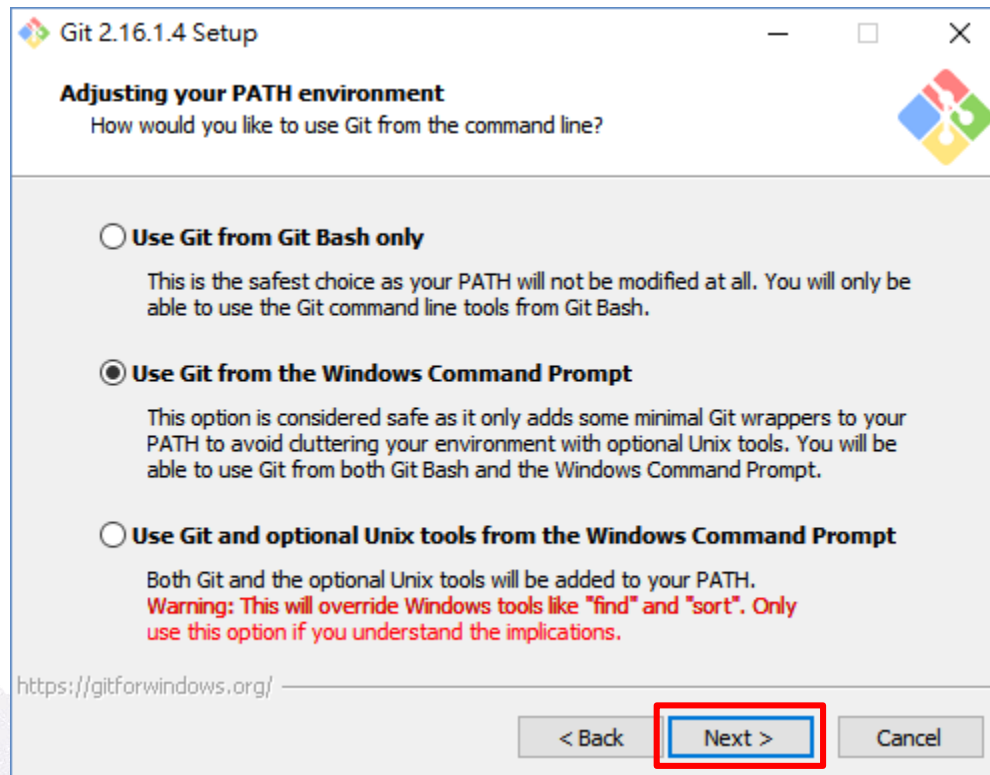
Install Git



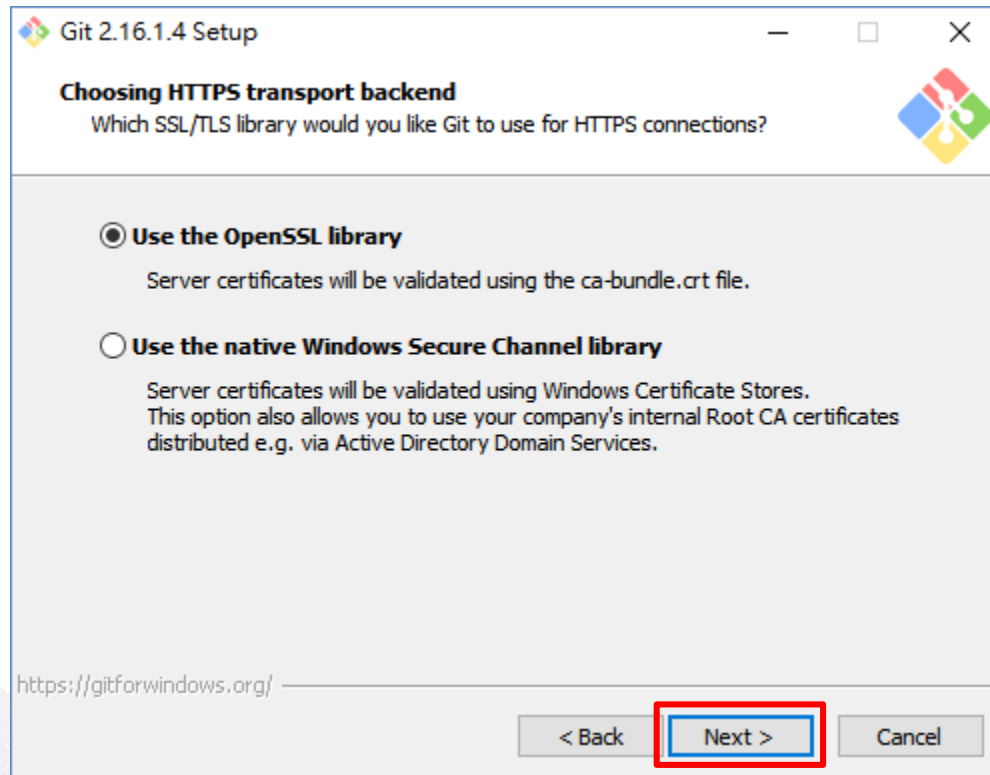
Install Git



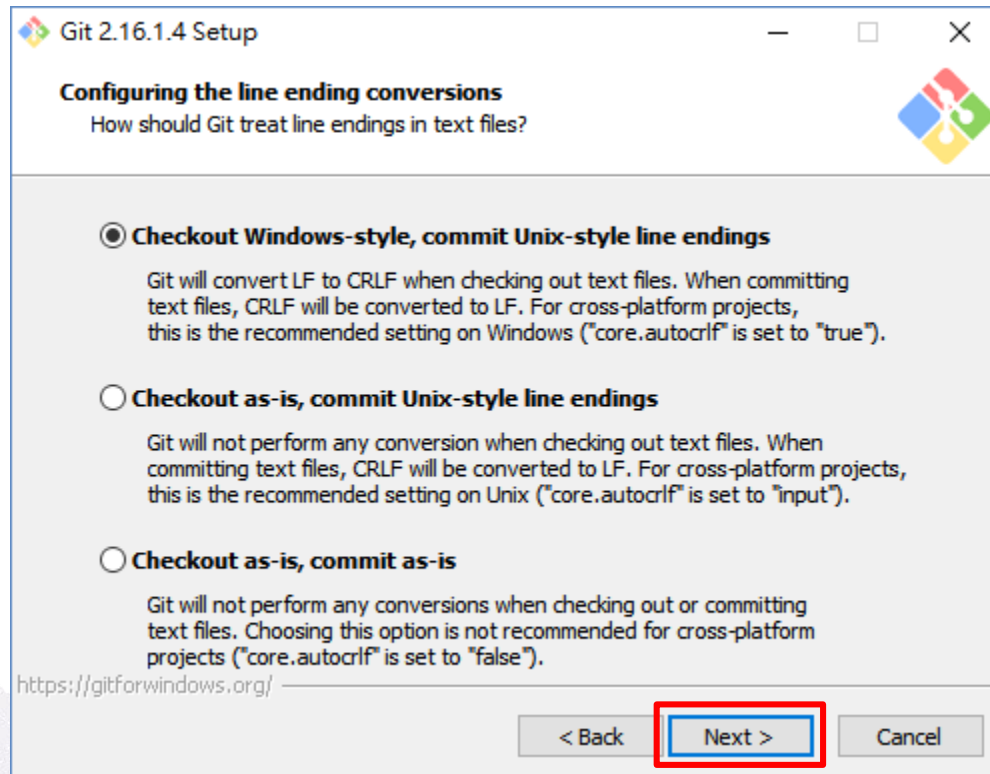
Install Git



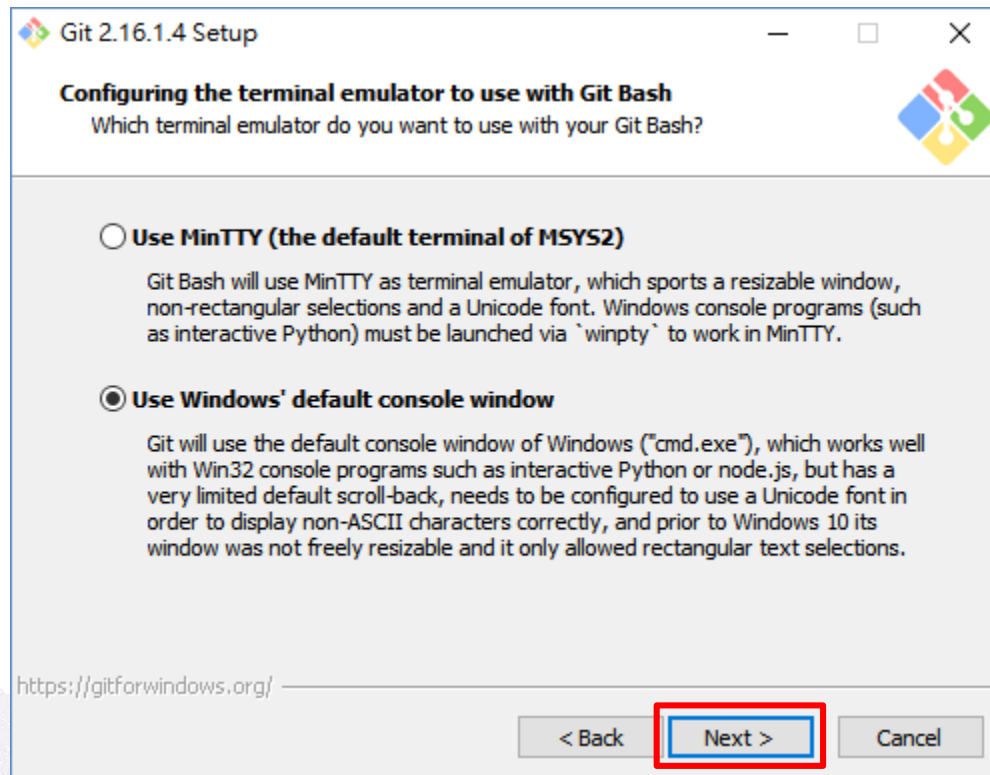
Install Git



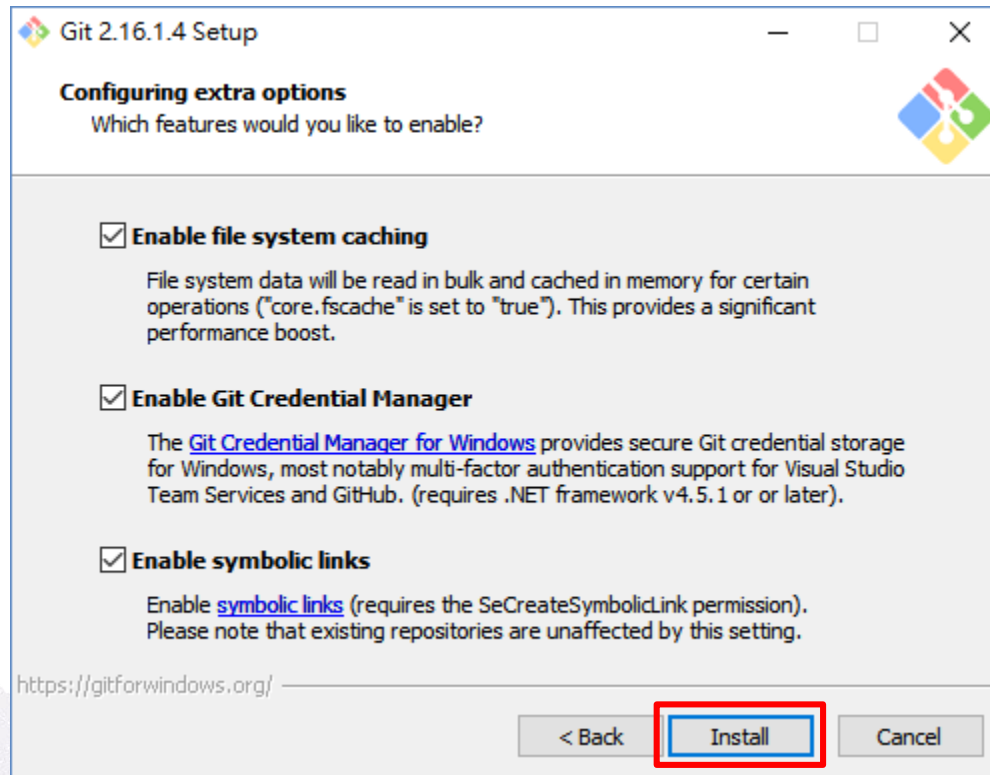
Install Git



Install Git

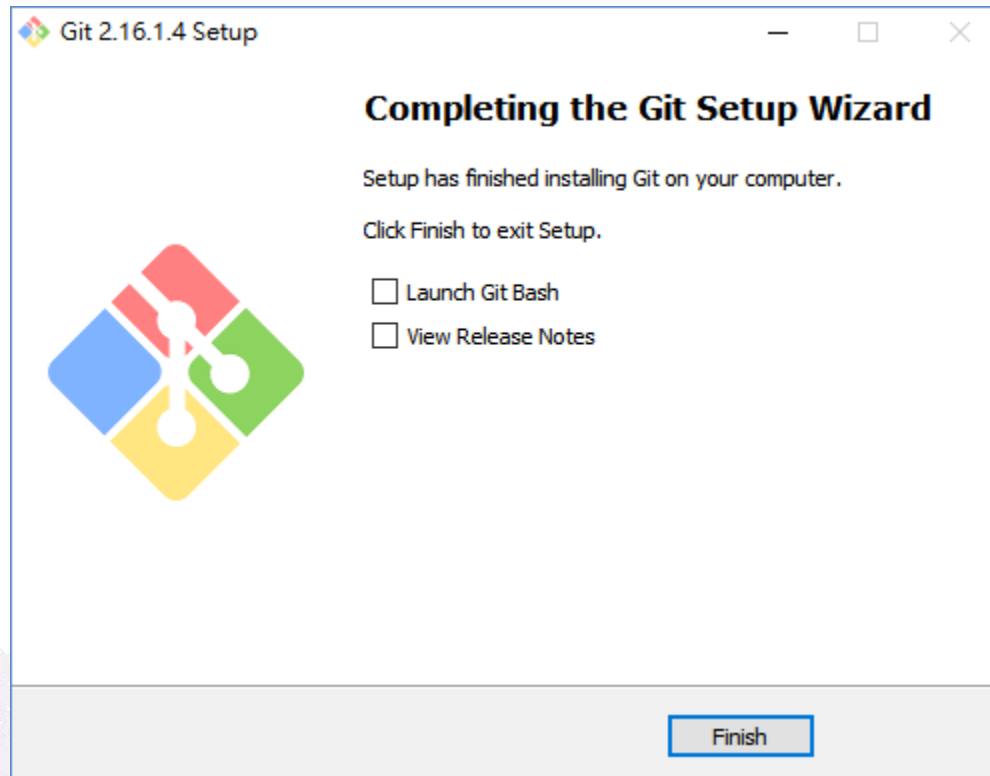


Install Git



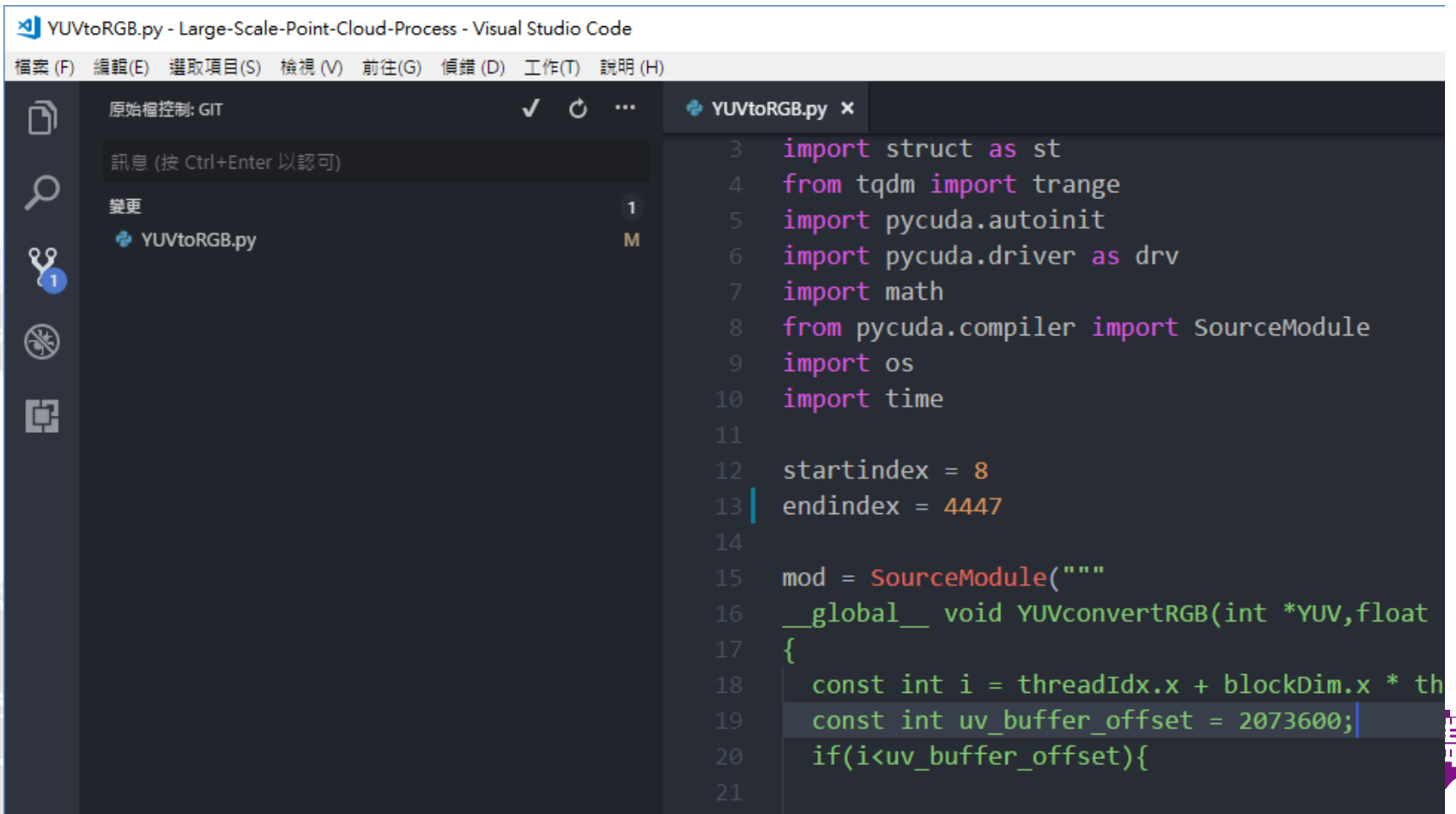
Install Git

- Complete



Git in VS code

- Now you can use git in VS code

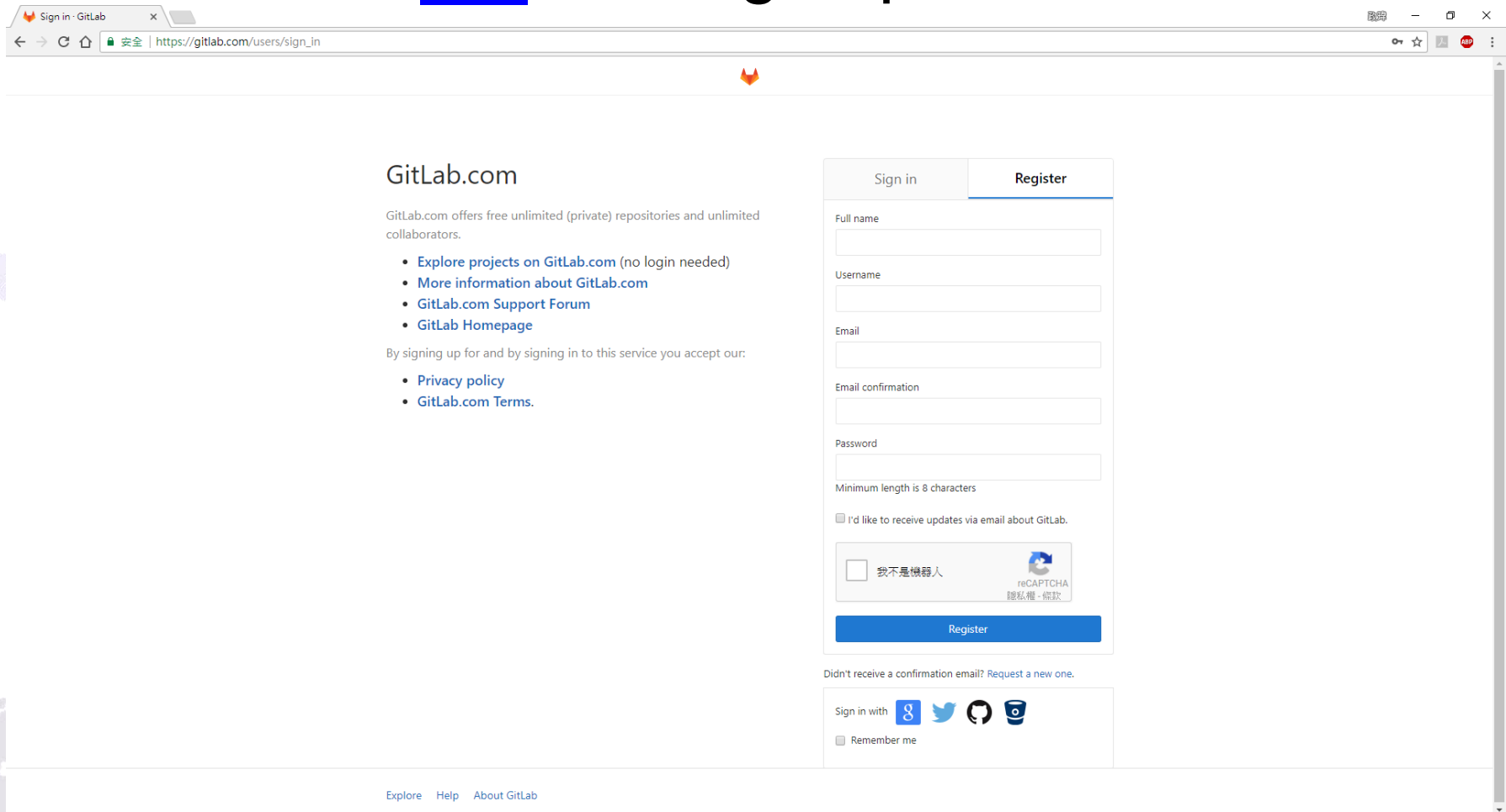


The screenshot shows the Visual Studio Code interface with the file `YUVtoRGB.py` open. The title bar indicates the project is `Large-Scale-Point-Cloud-Process`. The menu bar includes options like `檔案 (F)`, `編輯 (E)`, `選取項目 (S)`, `檢視 (V)`, `前往 (G)`, `偵錯 (D)`, `工作 (T)`, and `說明 (H)`. The left sidebar shows the `原始檔控制: GIT` (Source Control: GIT) view, which displays a list of changes for `YUVtoRGB.py`, including a commit message `訊息 (按 Ctrl+Enter 以認可)` and a status indicator `M`. The main editor area shows the Python code for `YUVtoRGB.py`, which includes imports for `struct`, `tqdm`, `trange`, `pycuda.autoinit`, `pycuda.driver`, `math`, `SourceModule`, `os`, and `time`. The code defines a `SourceModule` object and a `YUVconvertRGB` function. The function signature is `__global__ void YUVconvertRGB(int *YUV, float`. The function body includes a loop over `threadIdx.x` and a buffer offset calculation.

```
3 import struct as st
4 from tqdm import trange
5 import pycuda.autoinit
6 import pycuda.driver as drv
7 import math
8 from pycuda.compiler import SourceModule
9 import os
10 import time
11
12 startindex = 8
13 endIndex = 4447
14
15 mod = SourceModule("""
16 __global__ void YUVconvertRGB(int *YUV, float
17 {
18     const int i = threadIdx.x + blockDim.x * th
19     const int uv_buffer_offset = 2073600;
20     if(i < uv_buffer_offset){
21
```

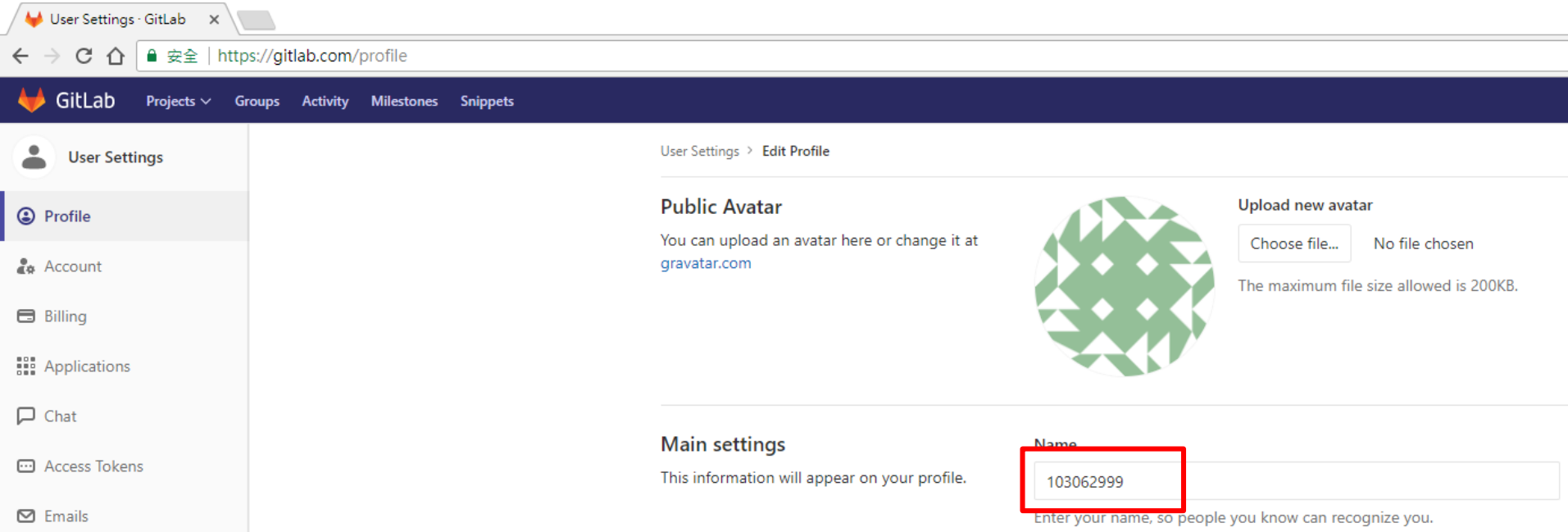
Sign up for GitLab

- Go to the [link](https://gitlab.com/users/sign_in) and sign up

A screenshot of the GitLab sign-up page in a web browser. The browser's address bar shows the URL 'https://gitlab.com/users/sign_in'. The page has a light gray background with a white content area. On the left, the 'GitLab.com' logo is displayed above a paragraph stating that GitLab offers free unlimited (private) repositories and unlimited collaborators. Below this, there are four blue links: 'Explore projects on GitLab.com (no login needed)', 'More information about GitLab.com', 'GitLab.com Support Forum', and 'GitLab Homepage'. A line of text indicates that by signing up, the user accepts the terms, followed by links to the 'Privacy policy' and 'GitLab.com Terms'. On the right, there is a registration form with two tabs: 'Sign in' and 'Register'. The 'Register' tab is active. The form contains input fields for 'Full name', 'Username', 'Email', and 'Email confirmation', followed by a 'Password' field with a note that the minimum length is 8 characters. There is a checkbox for 'I'd like to receive updates via email about GitLab.' and a reCAPTCHA widget with the text '我不是機器人' (I am not a robot) and 'reCAPTCHA 隱私權 - 條款' (reCAPTCHA Privacy Policy - Terms). A blue 'Register' button is at the bottom of the form. Below the form, there is a link for 'Didn't receive a confirmation email? Request a new one.' and a 'Sign in with' section featuring icons for Google, Twitter, GitHub, and OpenID. A 'Remember me' checkbox is located below the social login icons. At the bottom of the page, there are links for 'Explore', 'Help', and 'About GitLab'. The page is decorated with faint purple floral patterns in the corners.

Update Name

- After registering your account, go to [profile](#) and change your 'Name' to student id



User Settings · GitLab

安全 | <https://gitlab.com/profile>

GitLab Projects Groups Activity Milestones Snippets

User Settings

Profile Account Billing Applications Chat Access Tokens Emails

User Settings > Edit Profile

Public Avatar

You can upload an avatar here or change it at gravatar.com

Upload new avatar

Choose file... No file chosen

The maximum file size allowed is 200KB.

Main settings

This information will appear on your profile.

Name

103062999

Enter your name, so people you know can recognize you.



Add to the group

- TAs will add you to a software studio
GitLab group

