



มหาวิทยาลัยราชภัฏนครปฐม
Nakhon Pathom Rajabhat University





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บทที่ 2 การติดตั้งโปรแกรมเบื้องต้น สำหรับการพัฒนาระบบ

รายวิชา 3603610 การพัฒนาเว็บแอปพลิเคชันสำหรับสตาร์ทอัพ

ผศ.ดร.เดช รสรมศิริ

โปรแกรมสำหรับเขียนโค้ด Visual studio code

← → ↻ code.visualstudio.com/Download

Visual Studio Code Docs Updates Blog API Extensions FAQ GitHub Copilot 🔍 Search Docs Download

🚀 Get [GitHub Copilot Free](#) in VS Code!

Download Visual Studio Code

Free and built on open source. Integrated Git, debugging and extensions.



↓ Windows
Windows 10, 11

User Installer [x64](#) [Arm64](#)
System Installer [x64](#) [Arm64](#)
.zip [x64](#) [Arm64](#)
CLI [x64](#) [Arm64](#)



↓ .deb Debian, Ubuntu
↓ .rpm Red Hat, Fedora, SUSE

.deb [x64](#) [Arm32](#) [Arm64](#)
.rpm [x64](#) [Arm32](#) [Arm64](#)
.tar.gz [x64](#) [Arm32](#) [Arm64](#)
Snap [Snap Store](#)
CLI [x64](#) [Arm32](#) [Arm64](#)



↓ Mac
macOS 10.15+

.zip [Intel chip](#) [Apple silicon](#) [Universal](#)
CLI [Intel chip](#) [Apple silicon](#)

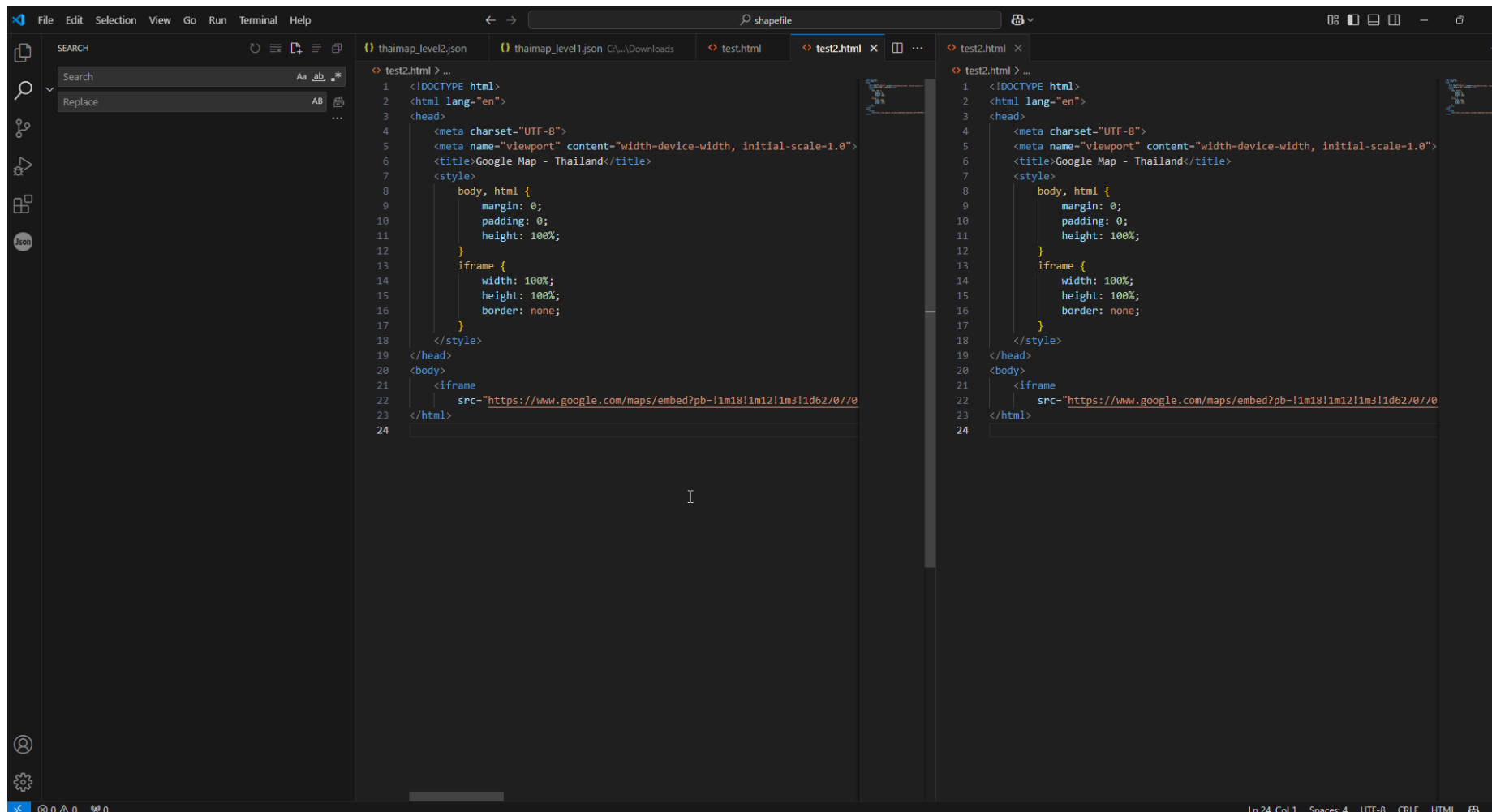
By downloading and using Visual Studio Code, you agree to the [license terms](#) and [privacy statement](#).

<https://code.visualstudio.com/Download>

ติดตั้ง Extension สำหรับใช้งาน

- Prettier code formatter
- ESLint
- Code Spell Checker
- Indent Rainbow
- Material Icon Theme
- Path Intellisense
- Auto Close Tag
- IntelliCode
- PHP IntelliSense
- PHP Intelephense
- HTML CSS Support
- Tailwind CSS IntelliSenseIndent
- Docker

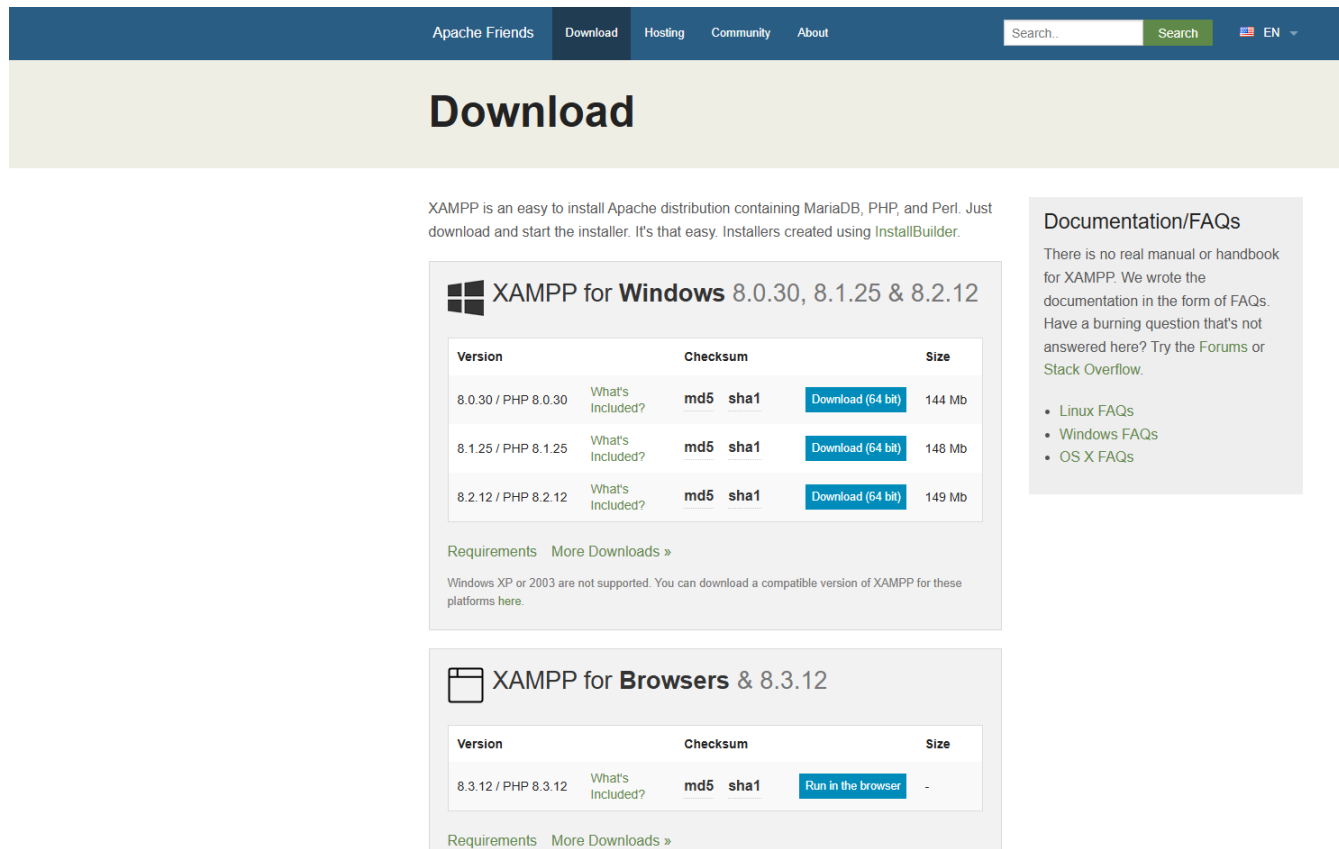
ตัวอย่างหน้าจอ Visual studio code



The screenshot displays the Visual Studio Code interface with two HTML files open in the editor. The left pane shows 'test.html' and the right pane shows 'test2.html'. Both files contain identical HTML code for a Google Map embed. The code includes a DOCTYPE declaration, a language attribute, a viewport meta tag, a title, and a style block for the body and html elements. An iframe is used to embed the Google Map from the URL: <https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d6270770>.

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Google Map - Thailand</title>
7   <style>
8     body, html {
9       margin: 0;
10      padding: 0;
11      height: 100%;
12    }
13    iframe {
14      width: 100%;
15      height: 100%;
16      border: none;
17    }
18  </style>
19 </head>
20 <body>
21   <iframe
22     src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d6270770"
23   </iframe>
24 </body>
```

Webserver+Database โปรแกรม Xampp



The screenshot shows the 'Download' section of the Apache Friends website. It features a navigation bar with links to 'Apache Friends', 'Download', 'Hosting', 'Community', and 'About'. A search bar is also present. The main heading is 'Download'. Below this, a paragraph explains that XAMPP is an easy-to-install Apache distribution containing MariaDB, PHP, and Perl, and that it's easy to download and start the installer. A table lists the available versions for Windows (8.0.30, 8.1.25, and 8.2.12) with their respective checksums (md5, sha1) and sizes (144 Mb, 148 Mb, and 149 Mb). Each row has a 'Download (64 bit)' button. To the right of the table, there is a 'Documentation/FAQs' section with a paragraph explaining that there is no real manual or handbook for XAMPP, and a list of links for Linux, Windows, and OS X FAQs. Below the table, there are links for 'Requirements' and 'More Downloads'. A note mentions that Windows XP or 2003 are not supported. Another section for 'XAMPP for Browsers & 8.3.12' shows a single version with a 'Run in the browser' button. This section also has links for 'Requirements' and 'More Downloads'.

Apache Friends Download Hosting Community About Search.. Search EN

Download

XAMPP is an easy to install Apache distribution containing MariaDB, PHP, and Perl. Just download and start the installer. It's that easy. Installers created using [InstallBuilder](#).

XAMPP for Windows 8.0.30, 8.1.25 & 8.2.12

Version	Checksum	Size
8.0.30 / PHP 8.0.30 What's Included?	md5 sha1 Download (64 bit)	144 Mb
8.1.25 / PHP 8.1.25 What's Included?	md5 sha1 Download (64 bit)	148 Mb
8.2.12 / PHP 8.2.12 What's Included?	md5 sha1 Download (64 bit)	149 Mb

[Requirements](#) [More Downloads »](#)

Windows XP or 2003 are not supported. You can download a compatible version of XAMPP for these platforms [here](#).

XAMPP for Browsers & 8.3.12

Version	Checksum	Size
8.3.12 / PHP 8.3.12 What's Included?	md5 sha1 Run in the browser	-

[Requirements](#) [More Downloads »](#)

Documentation/FAQs

There is no real manual or handbook for XAMPP. We wrote the documentation in the form of FAQs. Have a burning question that's not answered here? Try the Forums or [Stack Overflow](#).

- [Linux FAQs](#)
- [Windows FAQs](#)
- [OS X FAQs](#)

- <https://www.apachefriends.org/download.html>

XAMPP ประกอบด้วยโปรแกรมย่อยดังนี้

- Apache 2.4.58,
- MariaDB 10.4.32,
- PHP 8.0.30,
- phpMyAdmin 5.2.1,
- OpenSSL 3.1.3,
- XAMPP Control Panel 3.2.4
- FTP Server 0.9.41

Git คืออะไร

- Git คือ Version Control ตัวหนึ่งซึ่งจะเป็นระบบที่มีหน้าที่ทำการจัดเก็บการเปลี่ยนแปลงของไฟล์ใน Project และมีการ backup ให้เราสามารถที่จะเรียกดูหรือทำการย้อนกลับไปดูเวอร์ชันต่างๆของ Project ที่ใด เวลาใดก็ได้

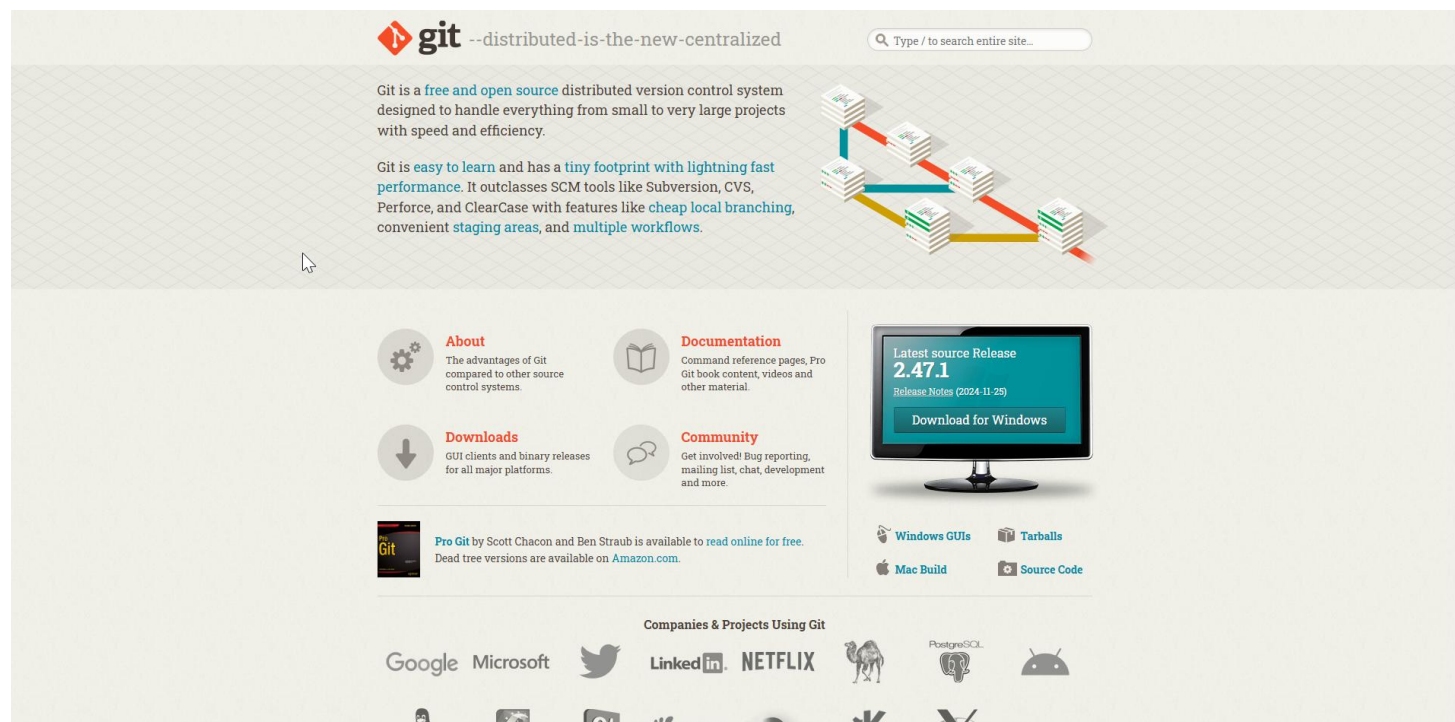
GitHub คืออะไร

- เว็บเซิร์ฟเวอร์ที่ให้บริการในการฝากไฟล์ Git หรือพูดง่าย ๆ ก็คือ Git ที่อยู่บนเว็บไซต์นั่นเอง ซึ่งจะทำให้เราสามารถใช้ Git ร่วมกับคนอื่นได้โดยผ่านเว็บไซต์ซึ่งจะมักนิยมใช้กันมาก ในการเก็บ Project Open Source ต่างๆ

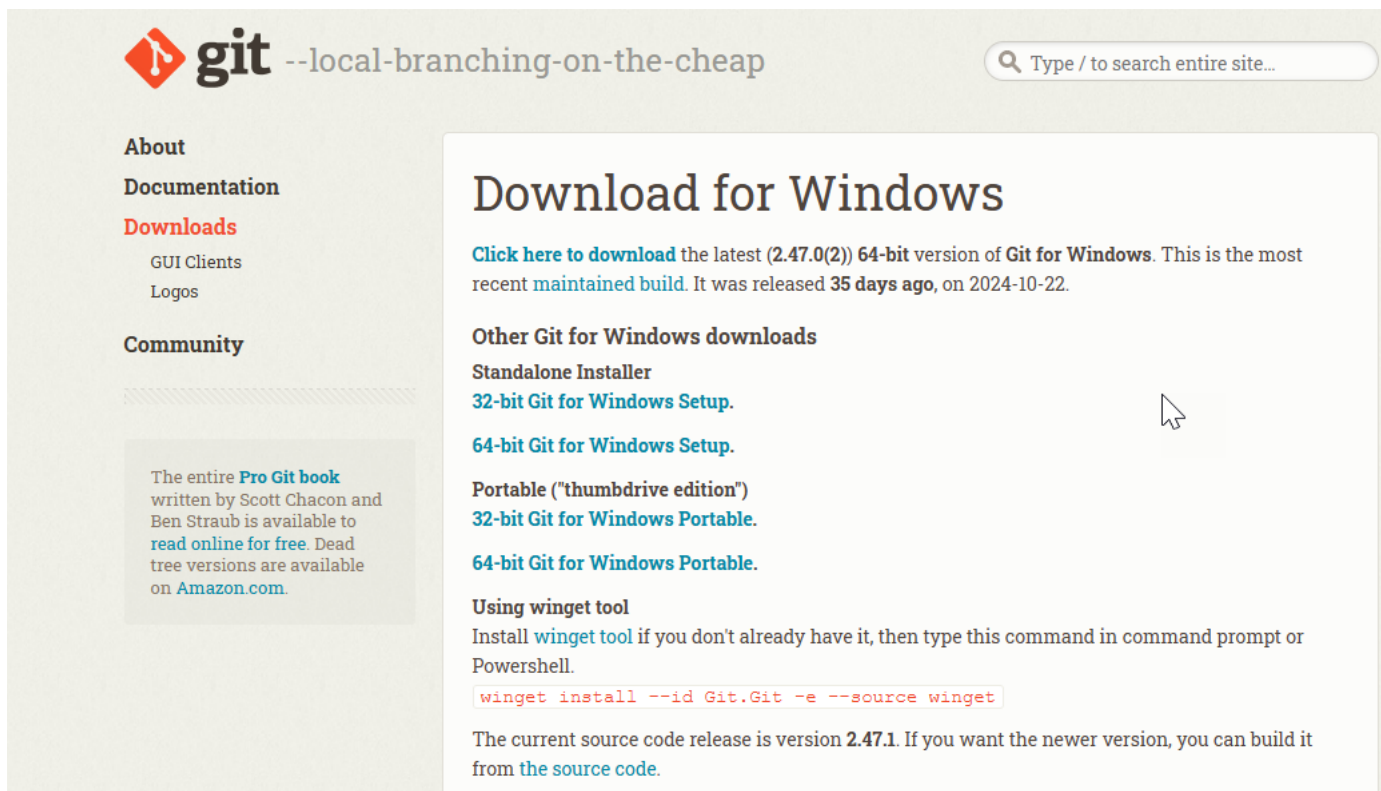


วิธีการติดตั้ง Git

- ให้เข้าไปที่ : <https://git-scm.com/>



เลือกทำการ Download



The screenshot shows the Git website's "Download for Windows" page. The header includes the Git logo and the tagline "--local-branching-on-the-cheap". A search bar is located in the top right corner. The left sidebar contains links for "About", "Documentation", "Downloads" (highlighted in red), "GUI Clients", "Logos", and "Community". Below the sidebar, there is a box mentioning the "Pro Git book" by Scott Chacon and Ben Straub, available for free online or on Amazon.com. The main content area is titled "Download for Windows" and provides instructions for downloading the latest 64-bit version of Git for Windows (2.47.0(2)). It lists various download options: "Standalone Installer", "32-bit Git for Windows Setup", "64-bit Git for Windows Setup", "Portable ('thumbdrive edition')", "32-bit Git for Windows Portable", and "64-bit Git for Windows Portable". It also includes instructions for using the winget tool to install Git, with a code block showing the command: `winget install --id Git.Git -e --source winget`. The page concludes by stating that the current source code release is version 2.47.1 and provides a link to the source code.

git --local-branching-on-the-cheap

Type / to search entire site...

About
Documentation
Downloads
GUI Clients
Logos
Community

The entire [Pro Git book](#) written by Scott Chacon and Ben Straub is available to [read online for free](#). Dead tree versions are available on [Amazon.com](#).

Download for Windows

[Click here to download](#) the latest (2.47.0(2)) 64-bit version of **Git for Windows**. This is the most recent [maintained build](#). It was released **35 days ago**, on 2024-10-22.

Other Git for Windows downloads

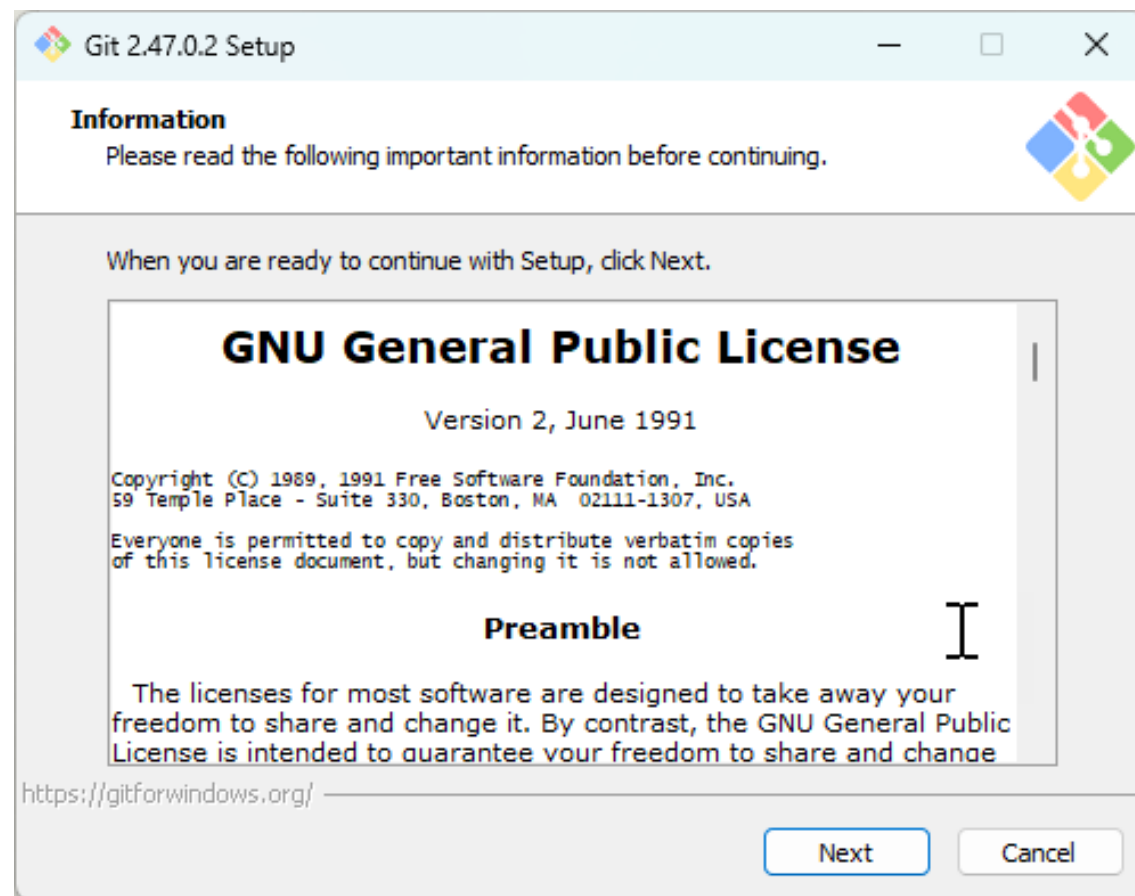
Standalone Installer
[32-bit Git for Windows Setup](#).
[64-bit Git for Windows Setup](#).

Portable ("thumbdrive edition")
[32-bit Git for Windows Portable](#).
[64-bit Git for Windows Portable](#).

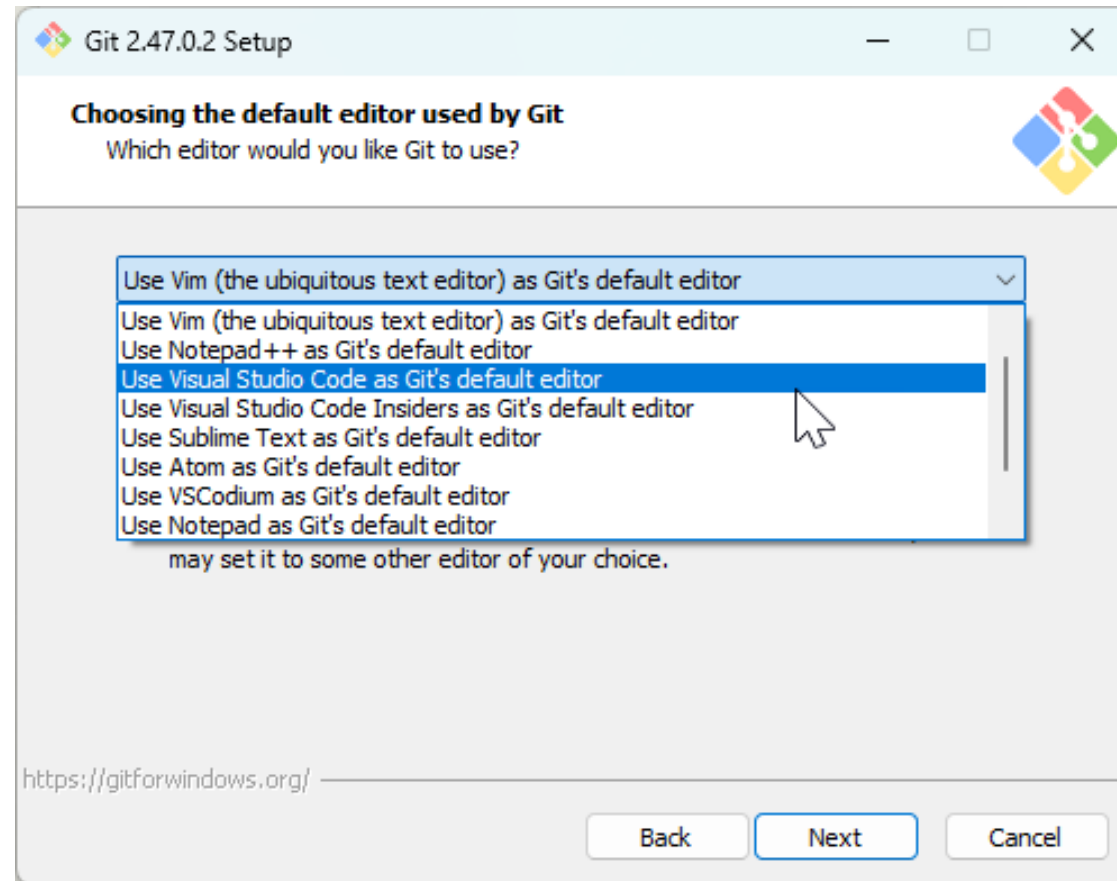
Using winget tool
Install [winget tool](#) if you don't already have it, then type this command in command prompt or Powershell.

```
winget install --id Git.Git -e --source winget
```

The current source code release is version **2.47.1**. If you want the newer version, you can build it from [the source code](#).

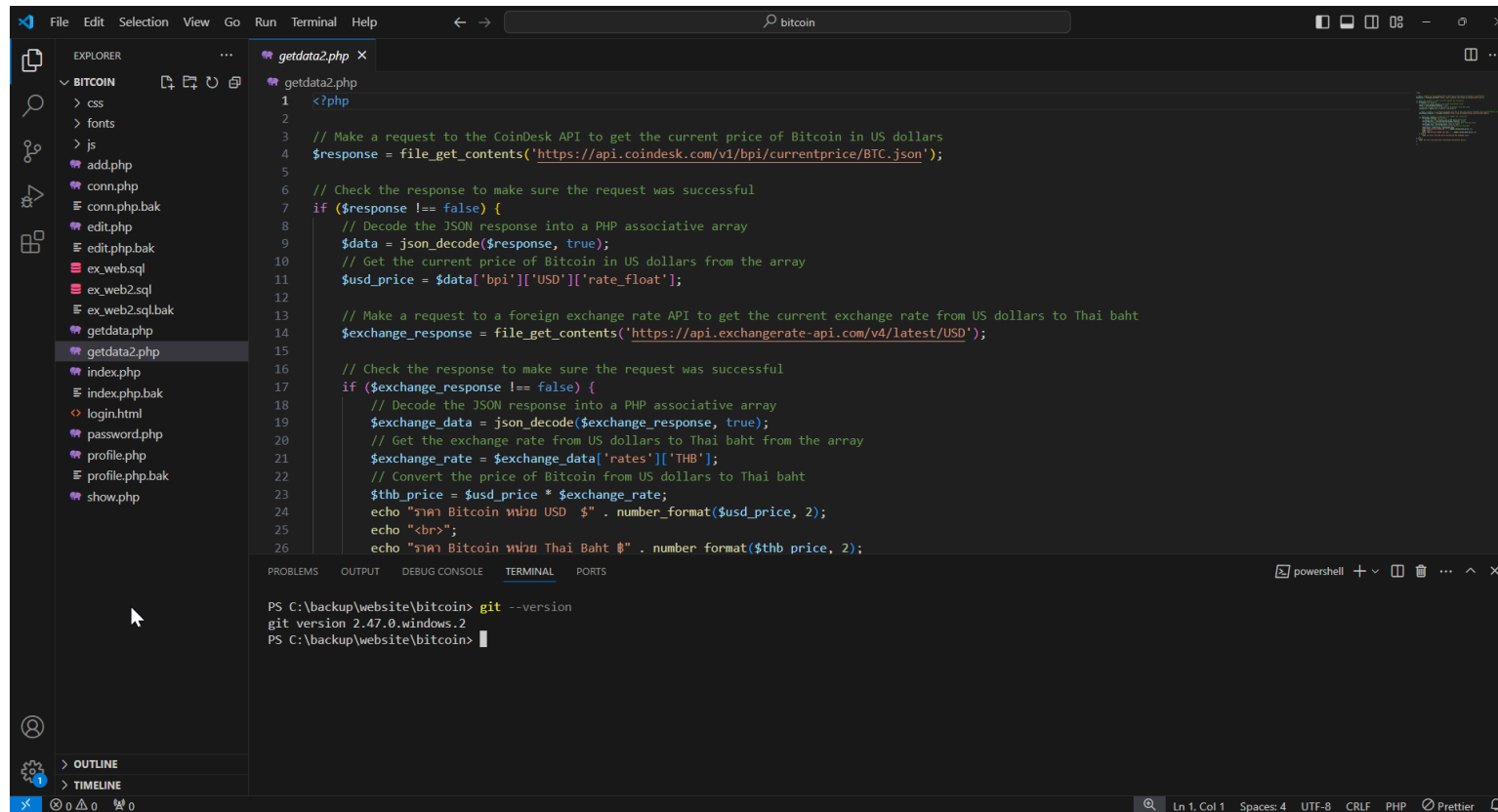


เลือก vs code



ทดสอบใช้งาน

- พิมพ์ git --version



The screenshot shows the Visual Studio Code editor interface. The Explorer panel on the left displays a file tree for a project named 'BITCOIN', with 'getdata2.php' selected. The main editor area shows the content of 'getdata2.php', a PHP script that fetches Bitcoin prices from the CoinDesk API and converts them from USD to Thai Baht using an exchange rate API. The script includes comments in Thai and uses functions like `file_get_contents`, `json_decode`, and `number_format`. The bottom panel contains a terminal window with the command `git --version` and its output, `git version 2.47.0.windows.2`.

```
1 <?php
2
3 // Make a request to the CoinDesk API to get the current price of Bitcoin in US dollars
4 $response = file_get_contents('https://api.coindesk.com/v1/bpi/currentprice/BTC.json');
5
6 // Check the response to make sure the request was successful
7 if ($response !== false) {
8     // Decode the JSON response into a PHP associative array
9     $data = json_decode($response, true);
10    // Get the current price of Bitcoin in US dollars from the array
11    $usd_price = $data['bpi']['USD']['rate_float'];
12
13    // Make a request to a foreign exchange rate API to get the current exchange rate from US dollars to Thai baht
14    $exchange_response = file_get_contents('https://api.exchangerate-api.com/v4/latest/USD');
15
16    // Check the response to make sure the request was successful
17    if ($exchange_response !== false) {
18        // Decode the JSON response into a PHP associative array
19        $exchange_data = json_decode($exchange_response, true);
20        // Get the exchange rate from US dollars to Thai baht from the array
21        $exchange_rate = $exchange_data['rates']['THB'];
22        // Convert the price of Bitcoin from US dollars to Thai baht
23        $thb_price = $usd_price * $exchange_rate;
24        echo "ราคา Bitcoin หน่วย USD $" . number_format($usd_price, 2);
25        echo "<br>";
26        echo "ราคา Bitcoin หน่วย Thai Baht ฿" . number_format($thb_price, 2);
27    }
28 }
```

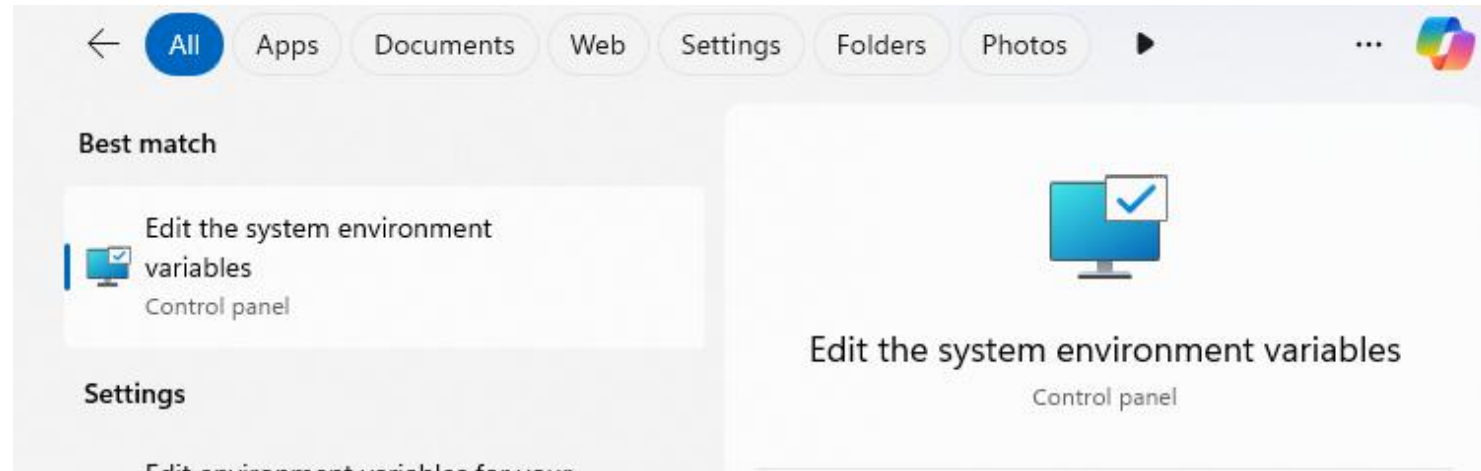
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

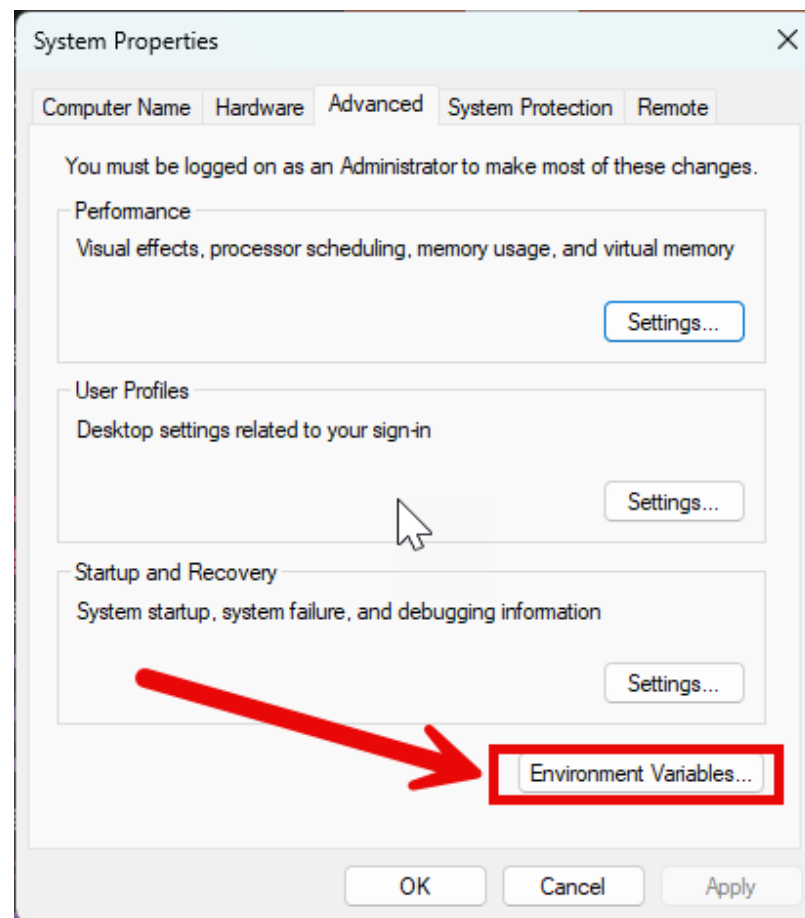
PS C:\backup\website\bitcoin> git --version
git version 2.47.0.windows.2
PS C:\backup\website\bitcoin>

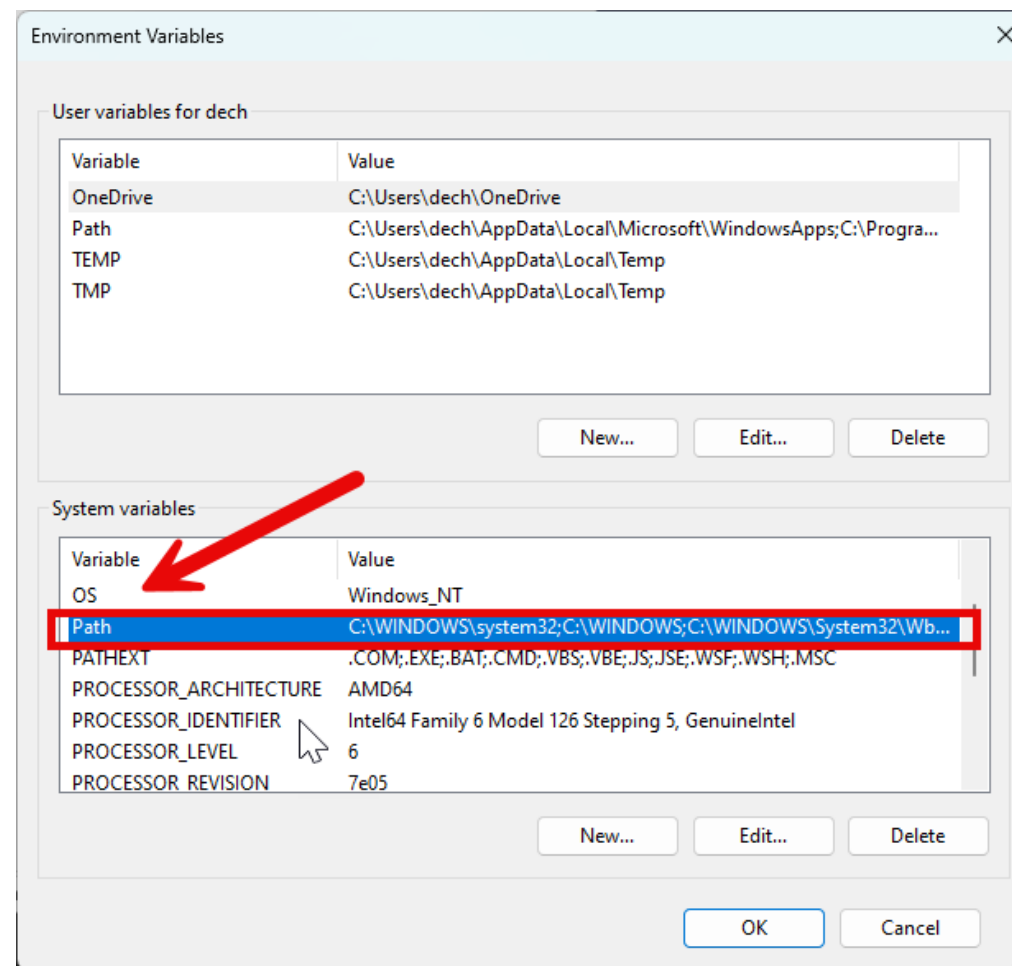
Ln 1, Col 1 Spaces: 4 UTF-8 CRLF PHP Prettier

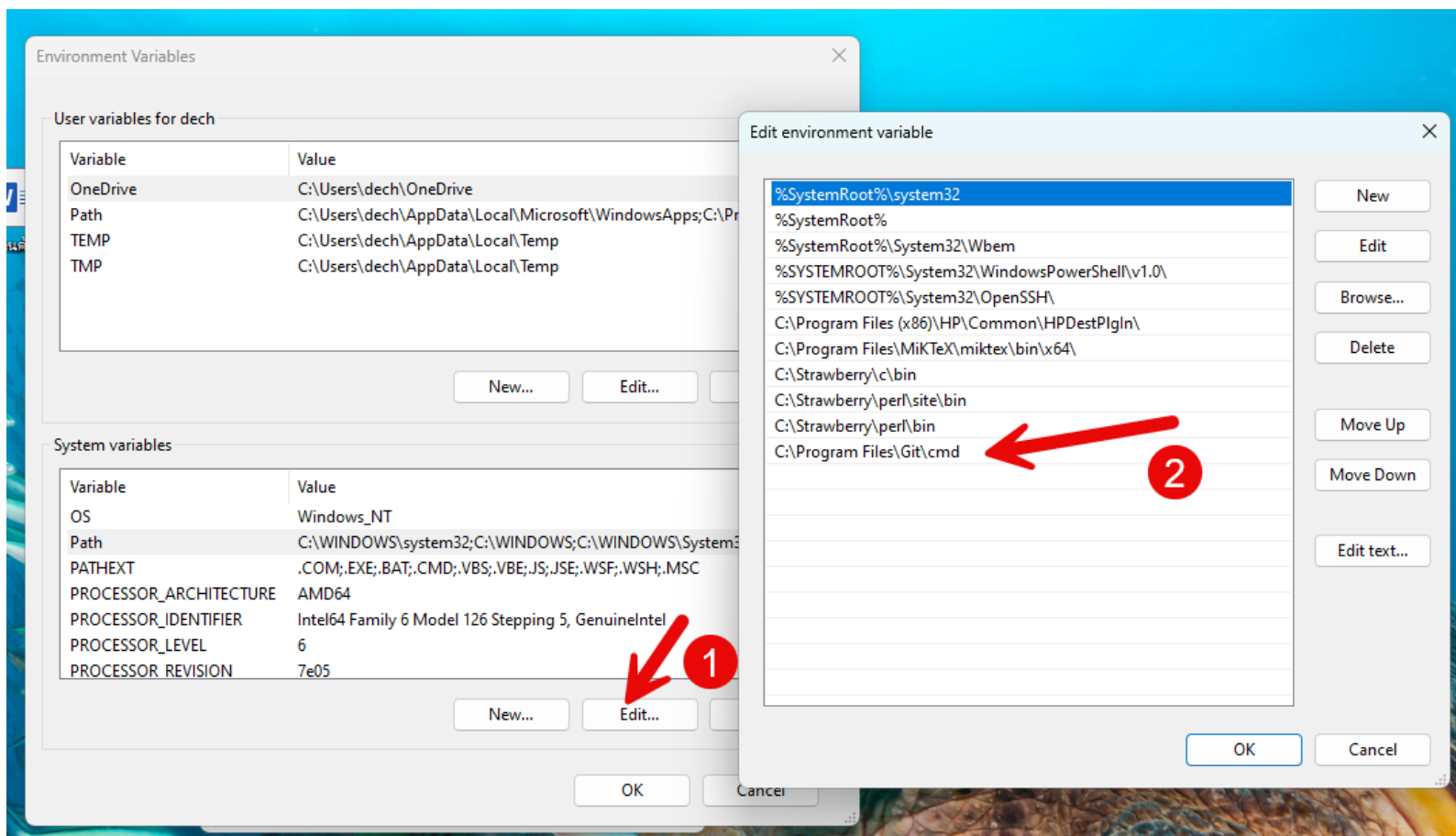
กรณีใช้งานไม่ได้

- ให้ไปที่ search พิมพ์ path









Test ผ่าน command prompt

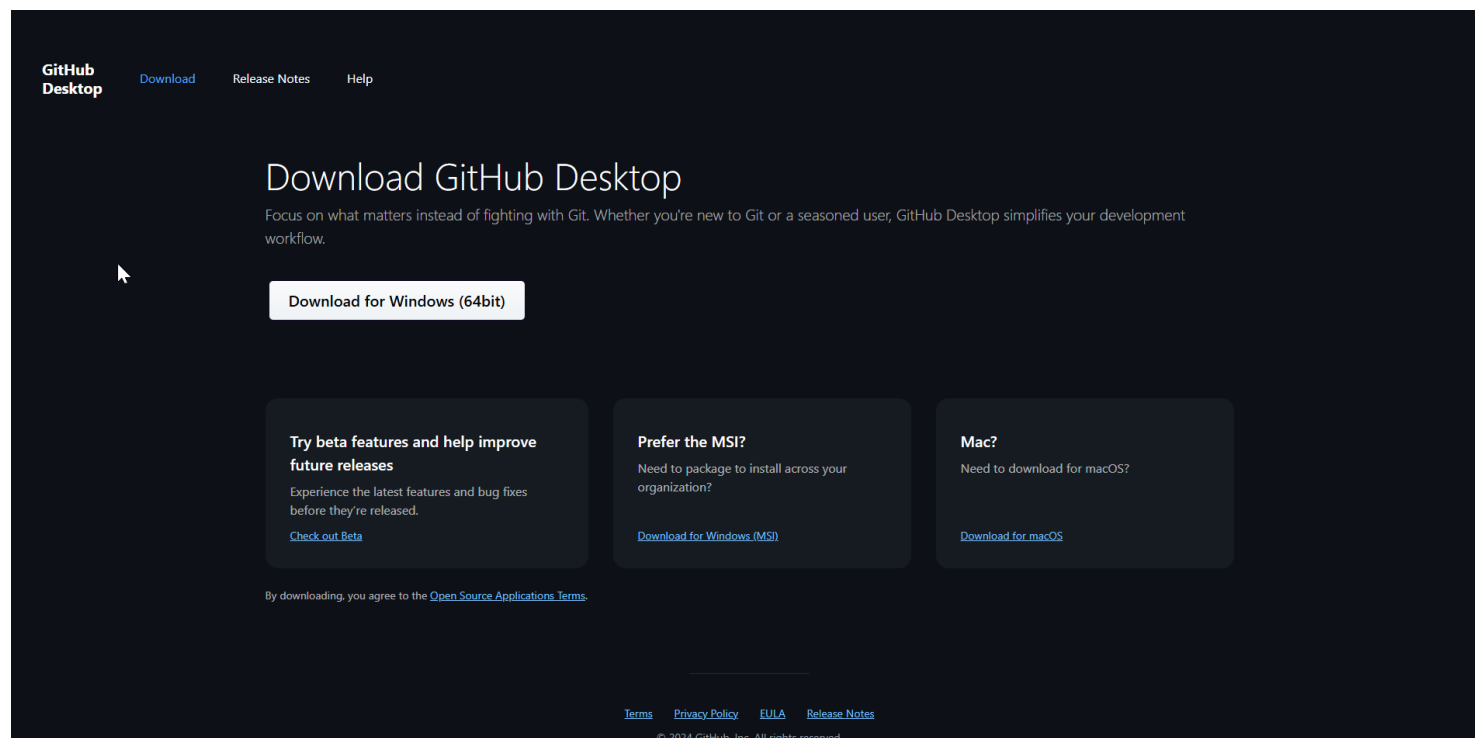
```
Command Prompt
Microsoft Windows [Version 10.0.22631.4460]
(c) Microsoft Corporation. All rights reserved.

C:\Users\dech>git --version
git version 2.47.0.windows.2

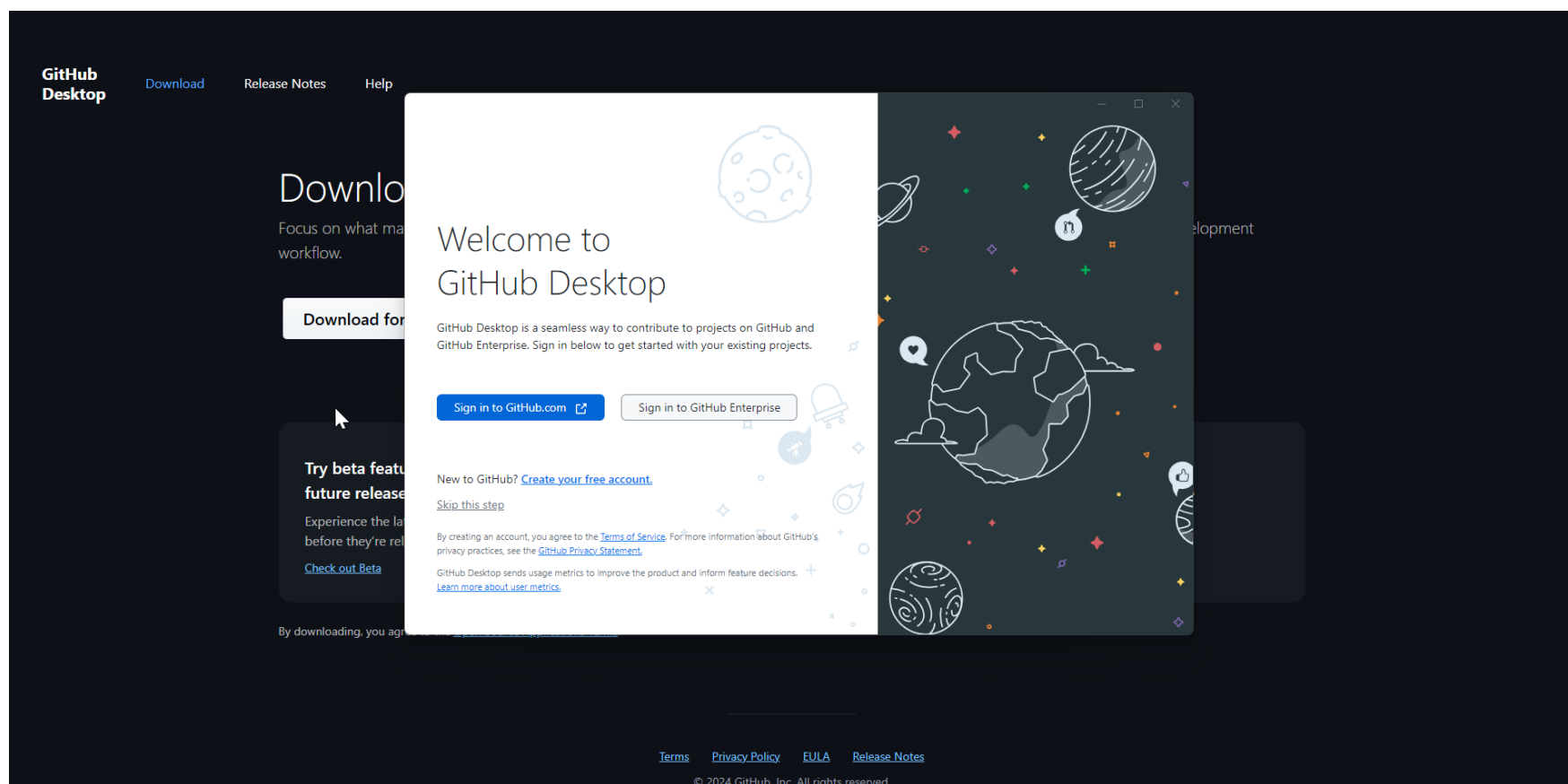
C:\Users\dech>
```

ติดตั้ง github desktop

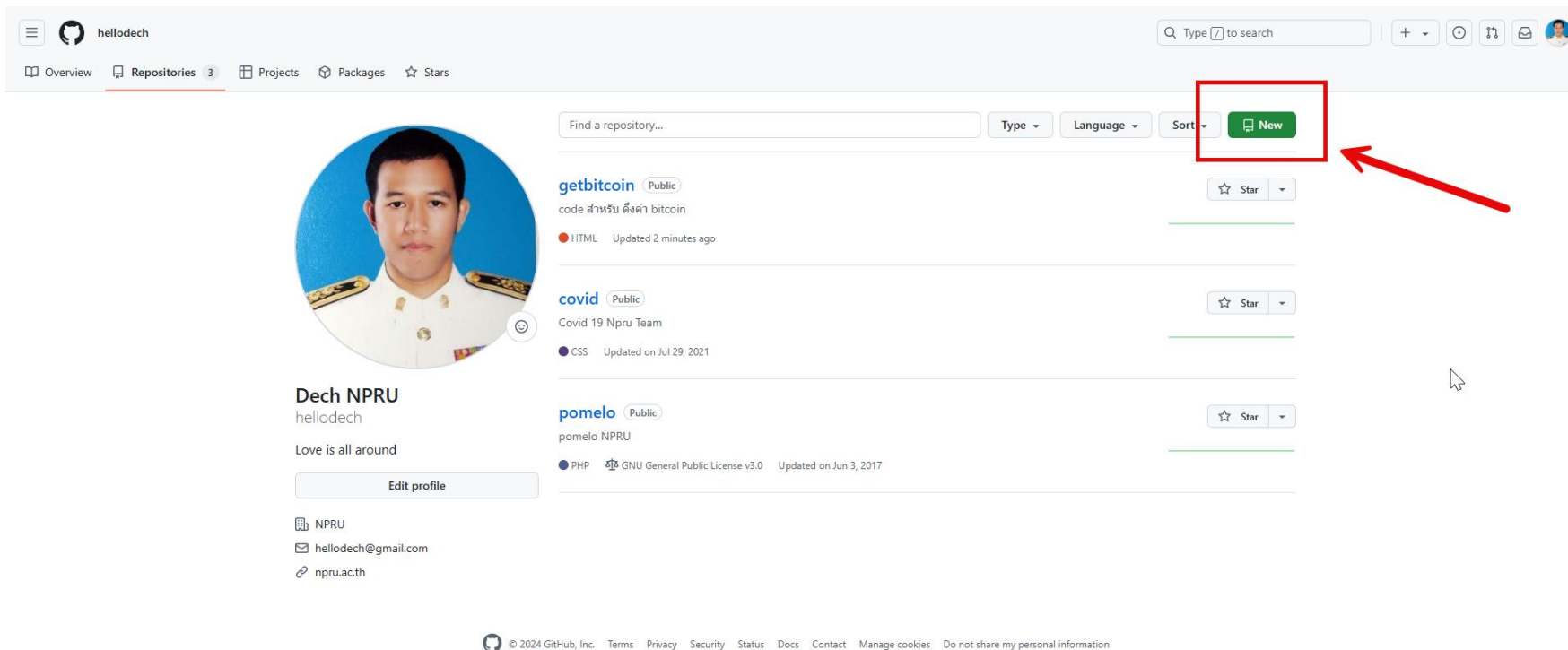
- <https://desktop.github.com/download/>



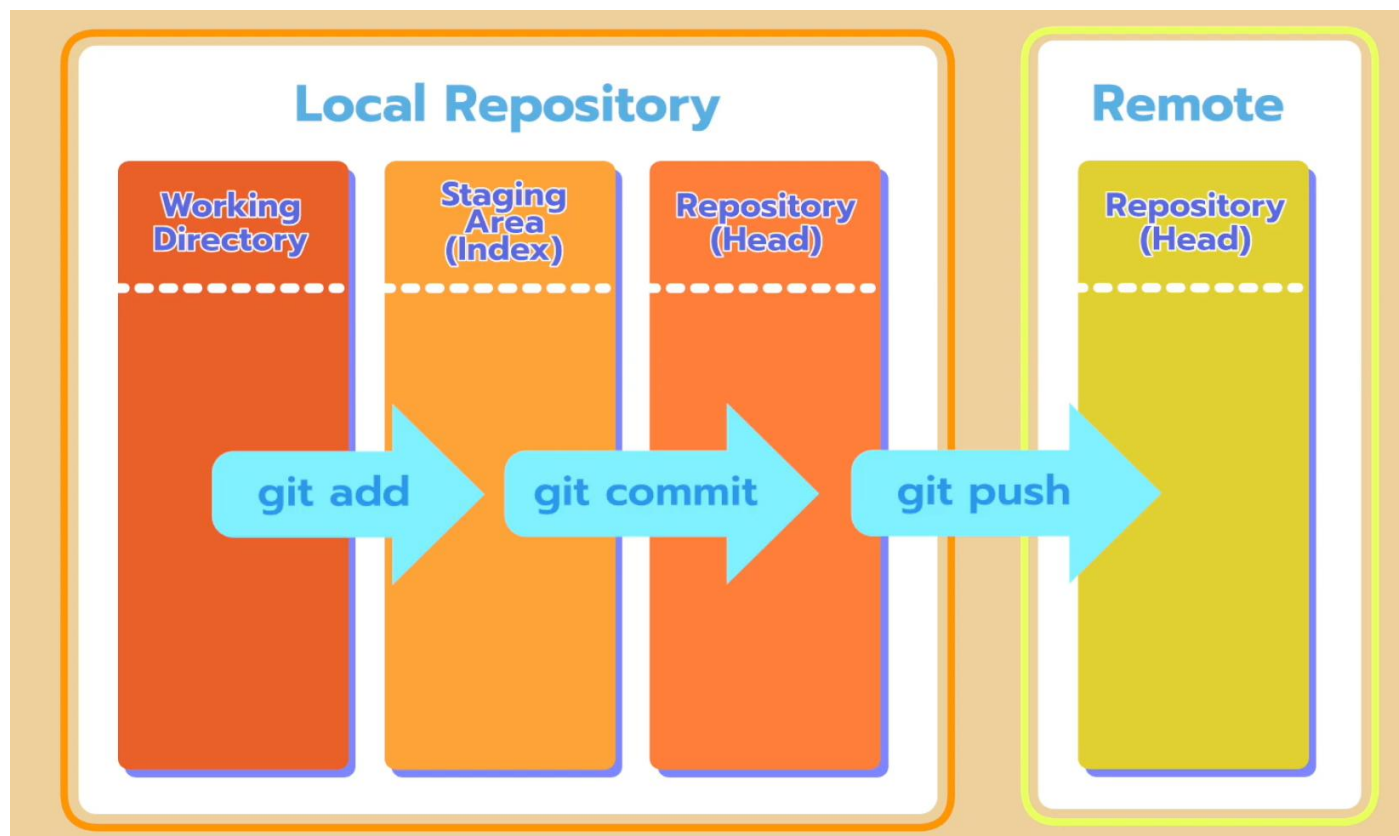
สมัครสมาชิกเข้าสู่ github



เริ่มใช้งานโดยสร้าง Repo



The screenshot shows the GitHub profile of 'hellodech'. The profile includes a circular profile picture of a man in a white uniform, the name 'Dech NPRU', the username 'hellodech', and the bio 'Love is all around'. Below the profile information is an 'Edit profile' button and contact details: 'NPRU', 'hellodech@gmail.com', and 'npru.ac.th'. The 'Repositories' tab is active, showing a list of repositories: 'getbitcoin' (Public, HTML, updated 2 minutes ago), 'covid' (Public, CSS, updated on Jul 29, 2021), and 'pomelo' (Public, PHP, GNU General Public License v3.0, updated on Jun 3, 2017). A red box highlights the 'New' button in the repository filter area, with a red arrow pointing to it. The footer of the page shows the GitHub logo and copyright information: '© 2024 GitHub, Inc. Terms Privacy Security Status Docs Contact Manage cookies Do not share my personal information'.



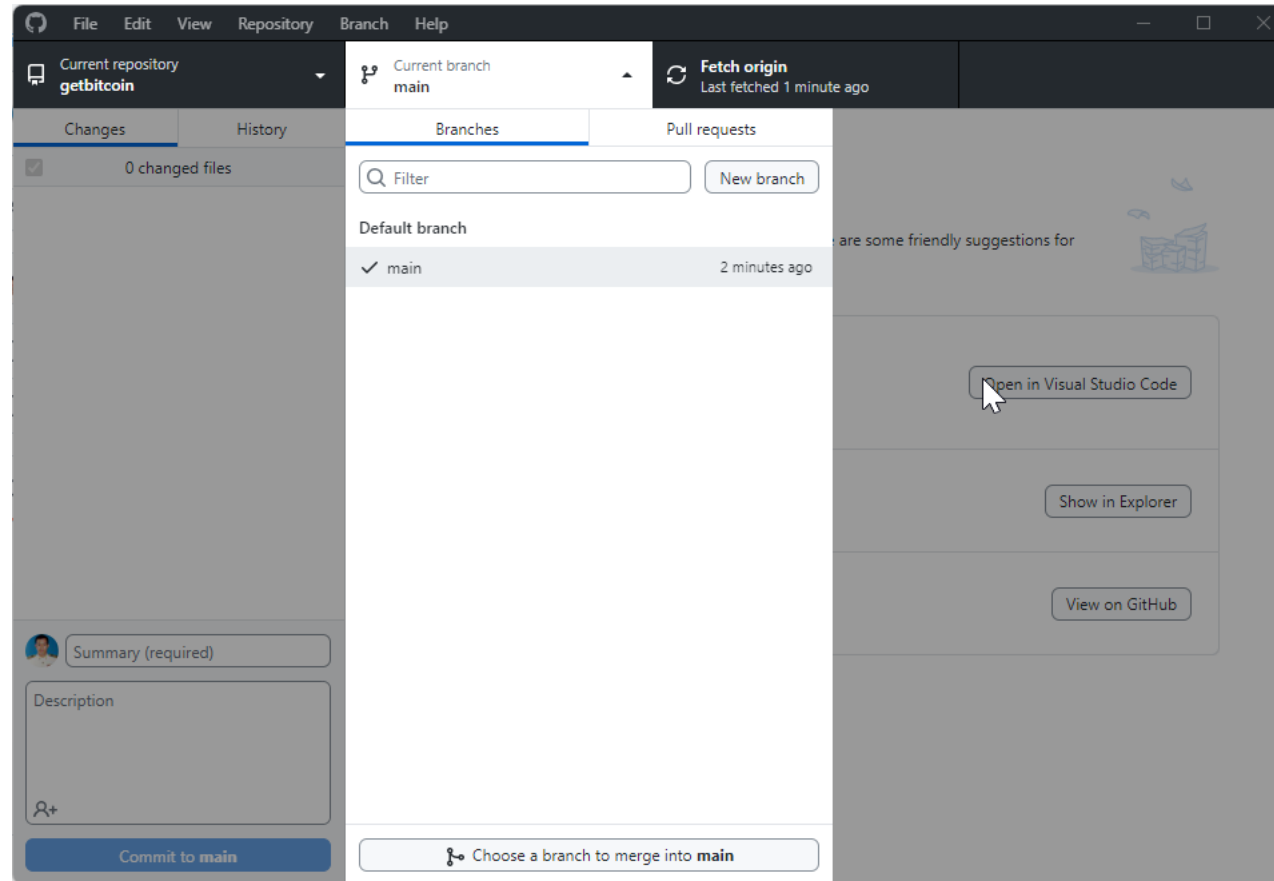
ทำงานกับ Branch

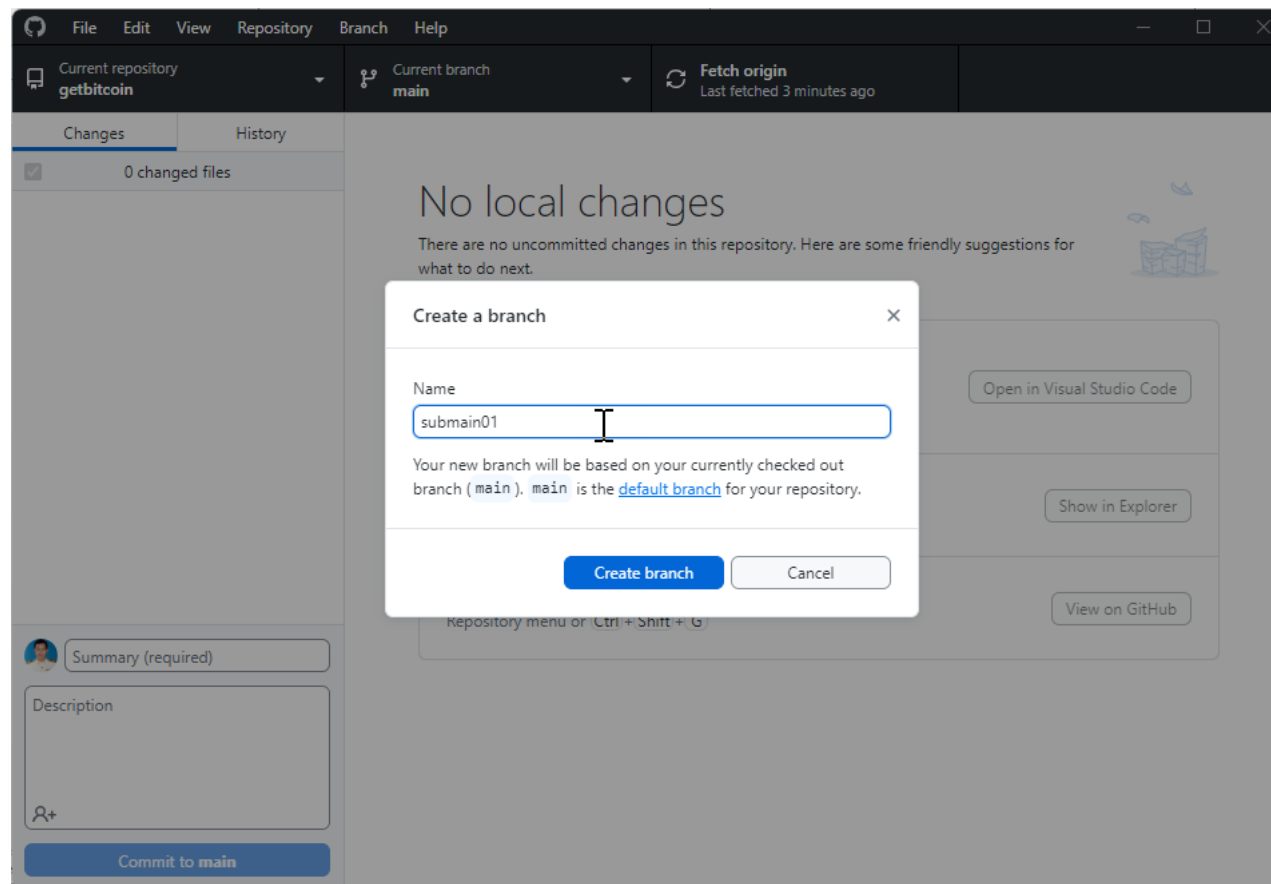
- Branch ก็แปลว่า สาขา นั้นก็หมายความว่า git branch ก็คือการทำงานแบ่งย่อยเป็นสาขา

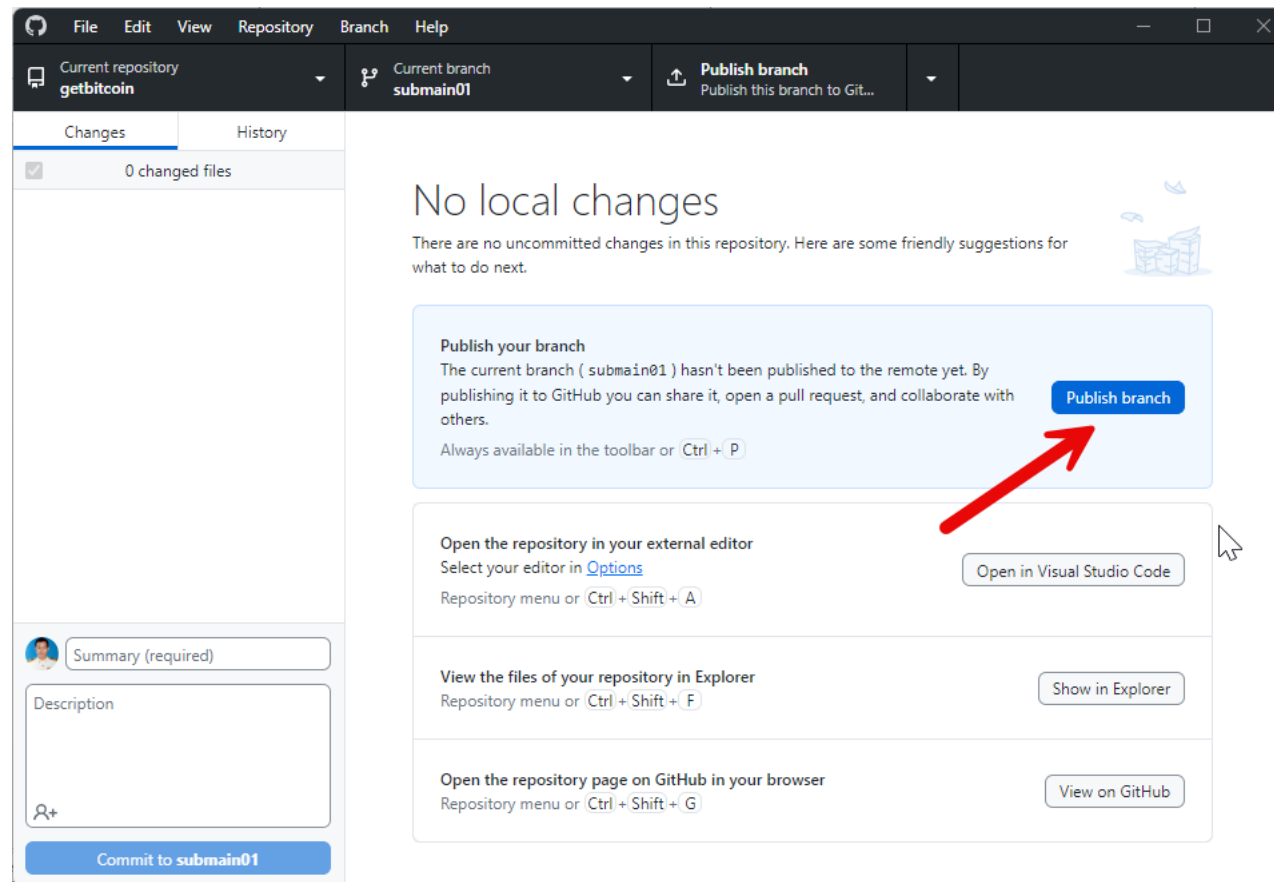
แตกสาขาแยกงานกันทำ ด้วย git branch

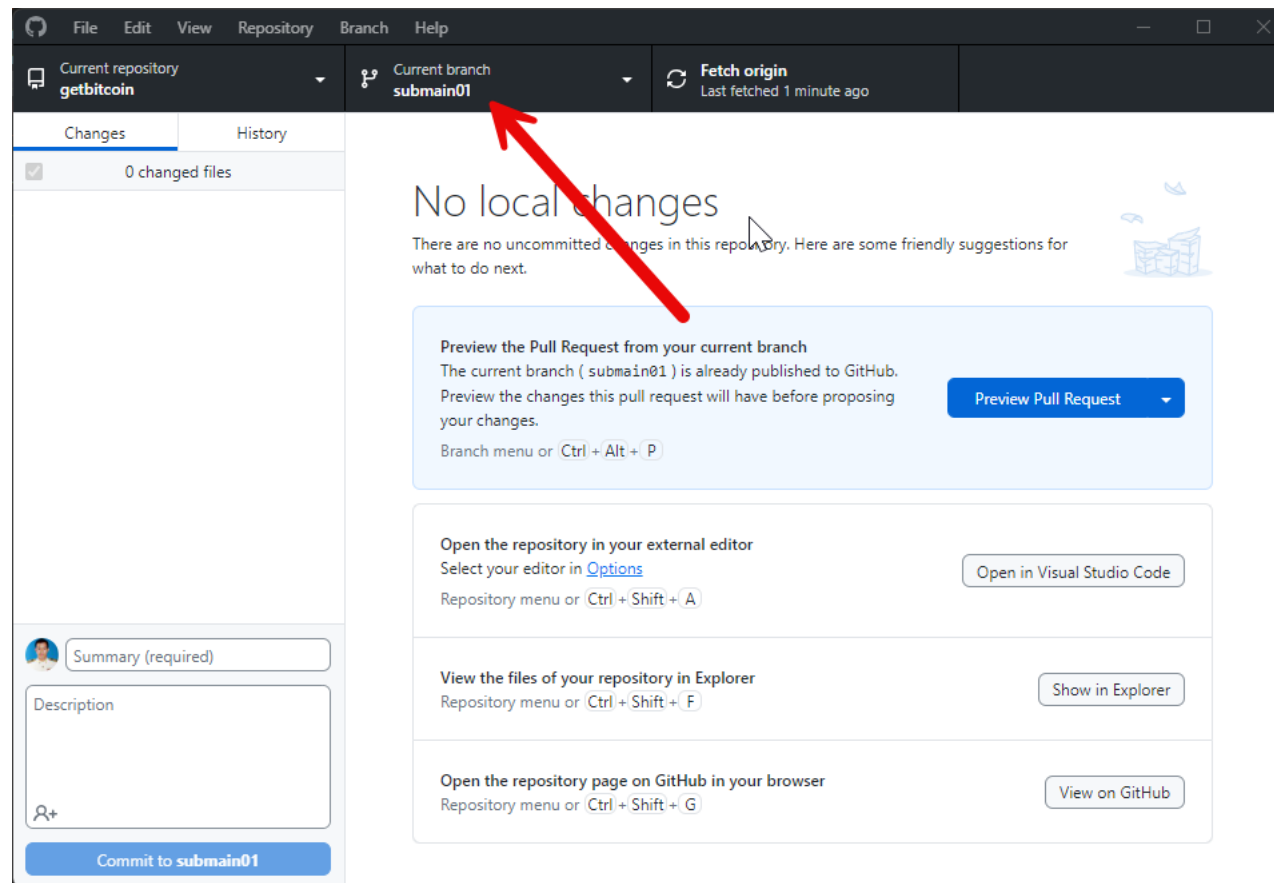


ทำงานกับ Branch









hellodech / getbitcoin

CodeIssuesPull requestsActionsProjectsWikiSecurityInsightsSettings

getbitcoinPublic

PinUnwatch1Fork0Star0

submain01 had recent pushes 2 minutes agoCompare & pull request

main2 Branches0 Tags

Go to file

Add fileCode

hellodech เพิ่มมีว ๑2ea12f2 · 10 minutes ago5 Commits

index.html	edit body	17 minutes ago
main.html	เพิ่มมีว ๑	10 minutes ago

README

Add a README

About

code สำหรับ ดึงค่า bitcoin

Activity0 stars1 watching0 forks

Releases

No releases publishedCreate a new release

Packages

No packages publishedPublish your first package

Languages

HTML 100.0%

Suggested workflows

Based on your tech stack

SLSA Generic generator

Generate SLSA3 provenance for your existing release workflows

Configure

hellodech / getbitcoin

CodeIssuesPull requestsActionsProjectsWikiSecurityInsightsSettings

Type to search

+⌵🔍📧👤

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#). [Learn more about diff comparisons here](#).

base: main

←

compare: submain01

✓ Able to merge. These branches can be automatically merged.

test01 add file

Add a description

WritePreview

HBBI≡<>🔗⋮⋮⋮🔗👤🔄🏠

Add your description here...

Markdown is supportedPaste, drop, or click to add files

Reviewers

No reviews

Assignees

No one—[assign yourself](#)

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Use [Closing keywords](#) in the description to automatically close issues

Helpful resources

[GitHub Community Guidelines](#)

Create pull request

1 commit

1 file changed

1 contributor

Commits on Nov 26, 2024



test01 add file #1

Open

hellodech wants to merge 1 commit into `main` from `submain01`

Conversation 0

Commits 1

Checks 0

Files changed 1

+11 -0

hellodech commented now

No description provided.

test01 add fileefde9a2

Require approval from specific reviewers before merging

Rulesets ensure specific people approve pull requests before they're merged.

Add rule

Continuous integration has not been set up

GitHub Actions and several other apps can be used to automatically catch bugs and enforce style.

This branch has no conflicts with the base branch

Merging can be performed automatically.

Merge pull request

You can also open this in GitHub Desktop or view command line instructions.

Add a comment

Write

Preview

H B I

Add your comment here...

Markdown is supported ☒ Paste, drop, or click to add files

Reviewers

No reviews

Still in progress? [Convert to draft](#)

Assignees

No one—[assign yourself](#)

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Successfully merging this pull request may close these issues.

None yet

Notifications

Customize

Unsubscribe

You're receiving notifications because you're watching this repository.

1 participant

test01 add file #1

Merged

hellodech merged 1 commit into `main` from `submain01` [📄](#) now

Conversation 0

Commits 1

Checks 0

Files changed 1

+11 -0



hellodech commented 1 minute ago

Owner ...

No description provided.



test01 add file

efde9a2

Merged

hellodech merged commit `f37a9ae` into `main` now

Revert



Pull request successfully merged and closed
You're all set—the `submain01` branch can be safely deleted.

Delete branch

Add a comment

Write Preview

H B I         

Add your comment here...

Markdown is supported

Paste, drop, or click to add files

Comment

Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).

ProTip! Add comments to specific lines under [Files changed](#).

Reviewers

No reviews

Assignees

No one—[assign yourself](#)

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Successfully merging this pull request may close these issues.

None yet

Notifications

Customize

Unsubscribe

You're receiving notifications because you're watching this repository.

1 participant



Lock conversation

ทดสอบการเขียนโปรแกรม

- สร้าง folder



มหาวิทยาลัยราชภัฏนครปฐม
Nakhon Pathom Rajabhat University

ขอบคุณครับ

