



Git & GitHub Classroom

FIRST

Nội dung dành cho sinh viên

Nội dung

**A**

Git basic
Git – GitHub – VS code
Git advanced
- Individual
- Team

B**C**

Student work
Git basic
Join class – Do homework – Submit

D

Nội dung



Git basic
Git – GitHub – VS code
Git advanced
- Individual
- Team

A



Introduction & Installation

[Introduction to Git in VS Code](#)

[Git - Downloads](#)



--distributed-even-if-your-workflow-isnt

🔍 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](#).

Downloads



macOS



Windows



Linux/Unix

Older releases are available and the [Git source repository](#) is on GitHub.



GUI Clients

Git comes with built-in GUI tools (**git-gui**, **gitk**), but there are several third-party tools for users looking for a platform-specific experience.

[View GUI Clients →](#)

Logos

Various Git logos in PNG (bitmap) and EPS (vector) formats are available for use in online and print projects.

[View Logos →](#)



GitHub account



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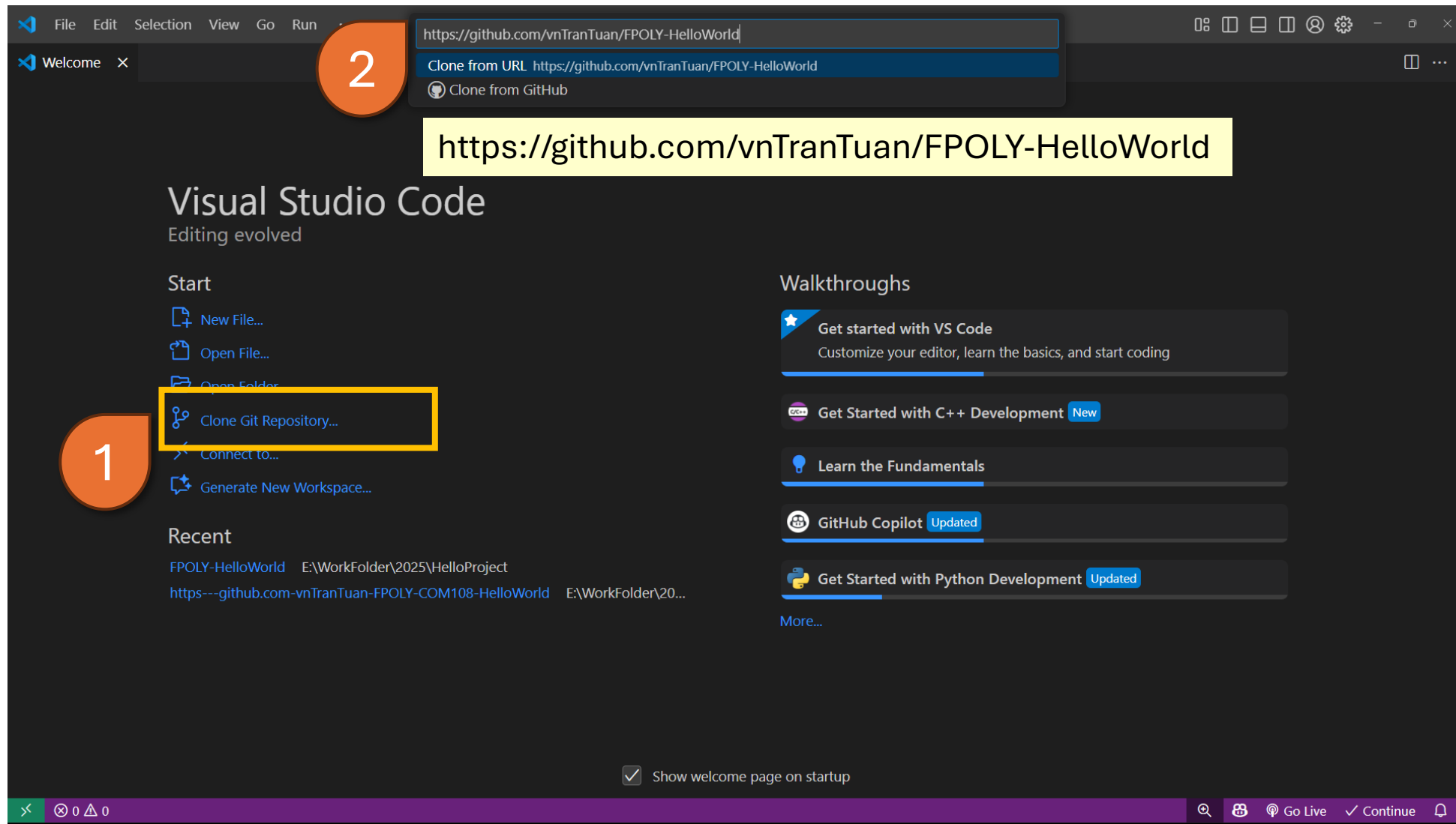
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VS Code **Clone** Hello Project





VS Code **Clone** Hello Project

A screenshot of the Visual Studio Code editor interface. The top bar shows the search bar with 'FPOLY-HelloWorld' and various window management icons. The left sidebar has the Explorer view open, showing a project named 'FPOLY-HELLOWORLD' with files '.vscode', 'hello.c', and 'hello.exe'. The 'hello.c' file is selected. The main editor area shows the code for 'hello.c', which is a simple C program that prints 'Hello, World!'. The code is as follows:


```
1 #include<stdio.h>
2
3 int main() {
4     printf("Hello, World!");
5     return 0;
6 }
7
8
```

The bottom status bar shows the current branch as 'master', 0 errors and 0 warnings, and other settings like 'Spaces: 4', 'UTF-8', 'CRLF', and 'Win32'.



Ví dụ - GitHub Create **Empty Repository**

Đăng nhập vào GitHub

1. Click nút 
2. Chọn menu **New repository**
3. Điền thông tin

Repository name

Ví dụ :

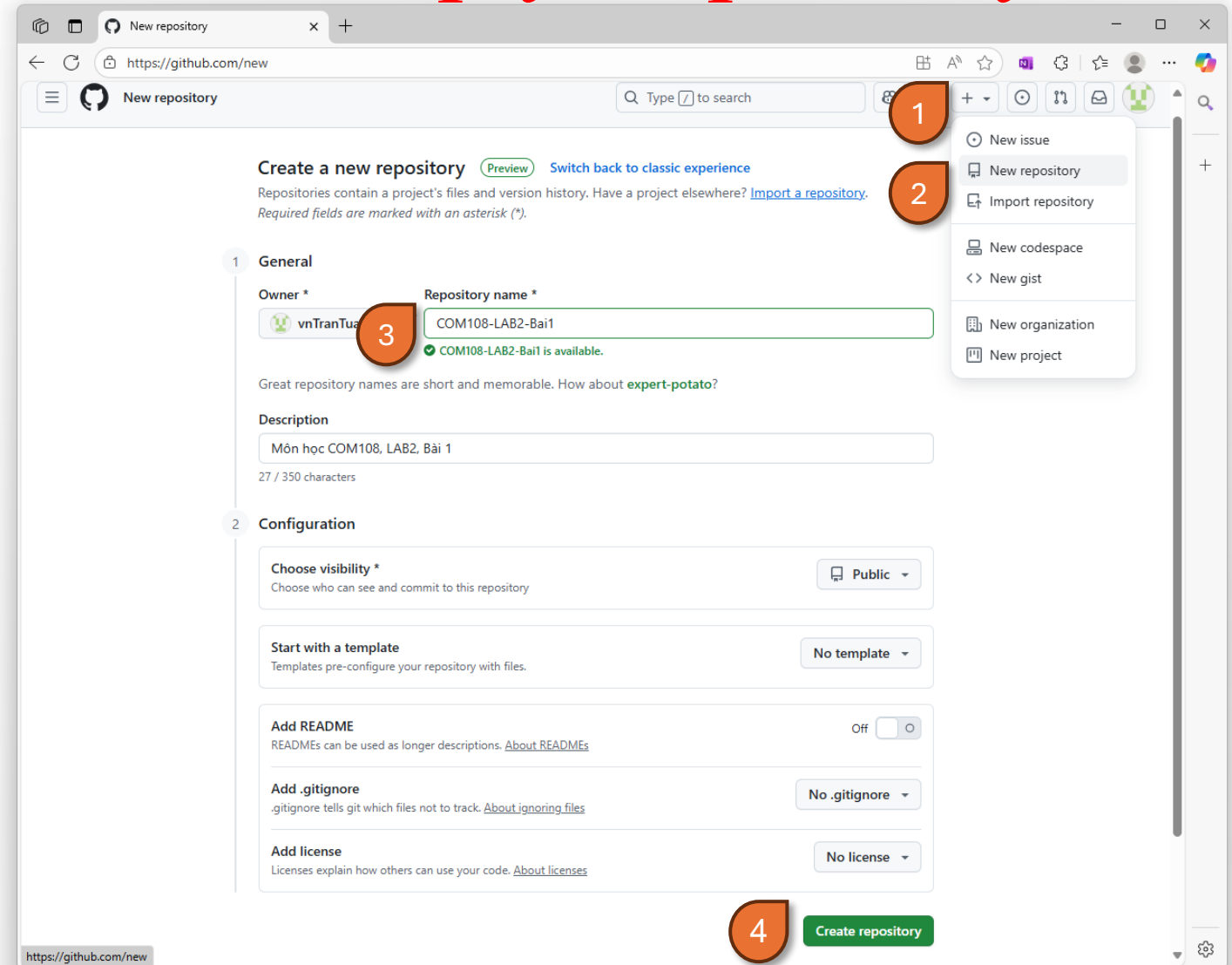
[COM108-LAB2-Bai1](#)

Description

Ví dụ :

[Môn học COM108, Repository của LAB2, Bài 1](#)

4. Click nút **Create repository**



The screenshot shows the GitHub 'New repository' page. The interface includes a search bar at the top, a navigation menu on the right, and a main form area. The form is divided into two sections: 'General' and 'Configuration'. The 'General' section contains fields for 'Owner', 'Repository name', and 'Description'. The 'Configuration' section contains options for 'Choose visibility', 'Start with a template', 'Add README', 'Add .gitignore', and 'Add license'. The 'Create repository' button is located at the bottom right of the form. Numbered callouts 1 through 4 highlight the following elements: 1. The plus icon in the top right navigation bar. 2. The 'New repository' option in the dropdown menu. 3. The 'Repository name' input field. 4. The 'Create repository' button.

1. Click the plus icon in the top right navigation bar.

2. Select the 'New repository' option from the dropdown menu.

3. Fill in the 'Repository name' field with 'COM108-LAB2-Bai1'.

4. Click the 'Create repository' button at the bottom right.

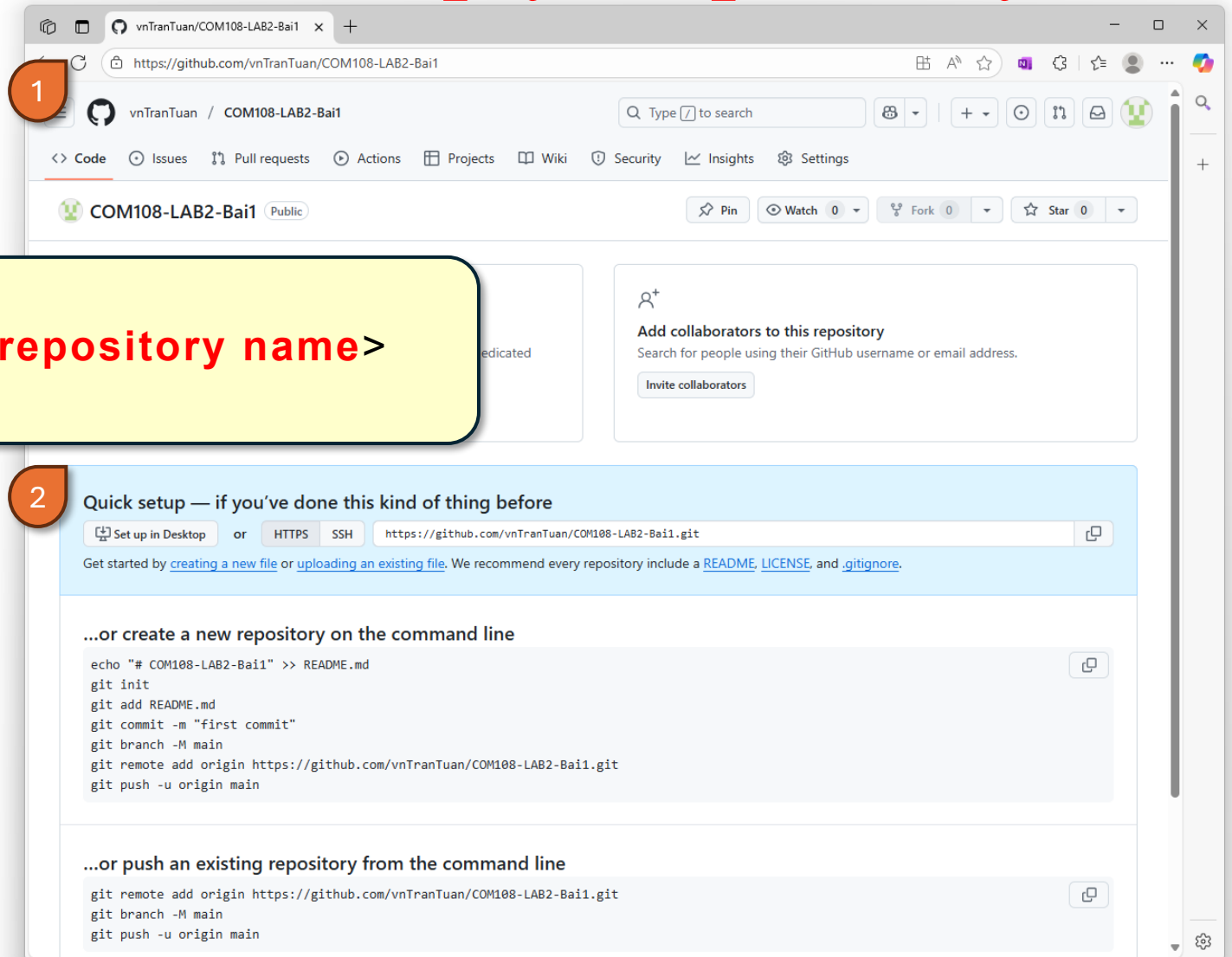


Ví dụ - GitHub Create Empty Repository

Trang web của repository đã tạo

1

`https://github.com/<user name>/<repository name>`







Ví dụ - GitHub Create Empty Repository

LƯU Ý

Quick setup của Empty repository đã tạo

2

Quick setup — if you've done this kind of thing before

 Set up in Desktop or **HTTPS** **SSH** 

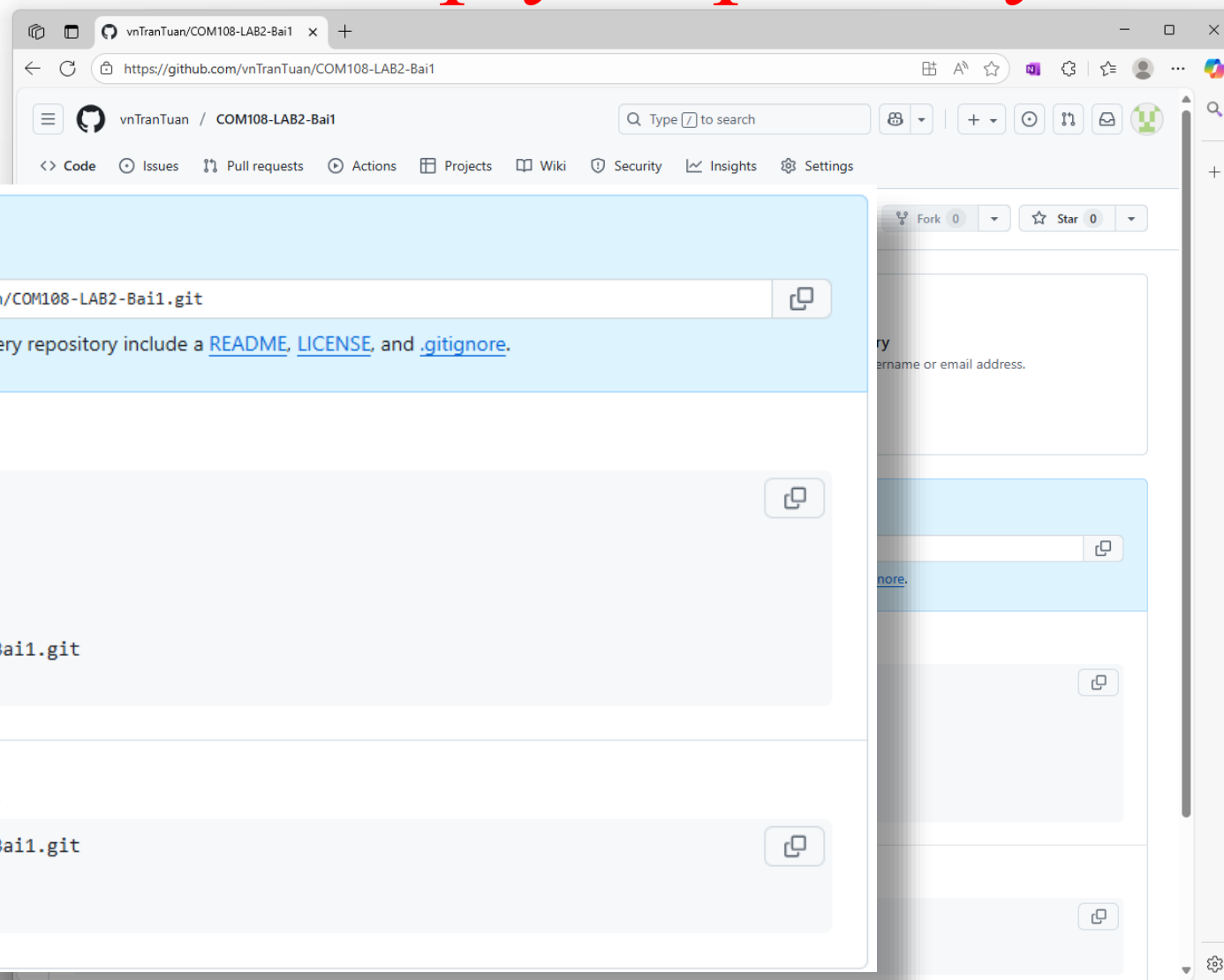
Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

...or create a new repository on the command line

```
echo "# COM108-LAB2-Bai1" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/vnTranTuan/COM108-LAB2-Bai1.git
git push -u origin main
```

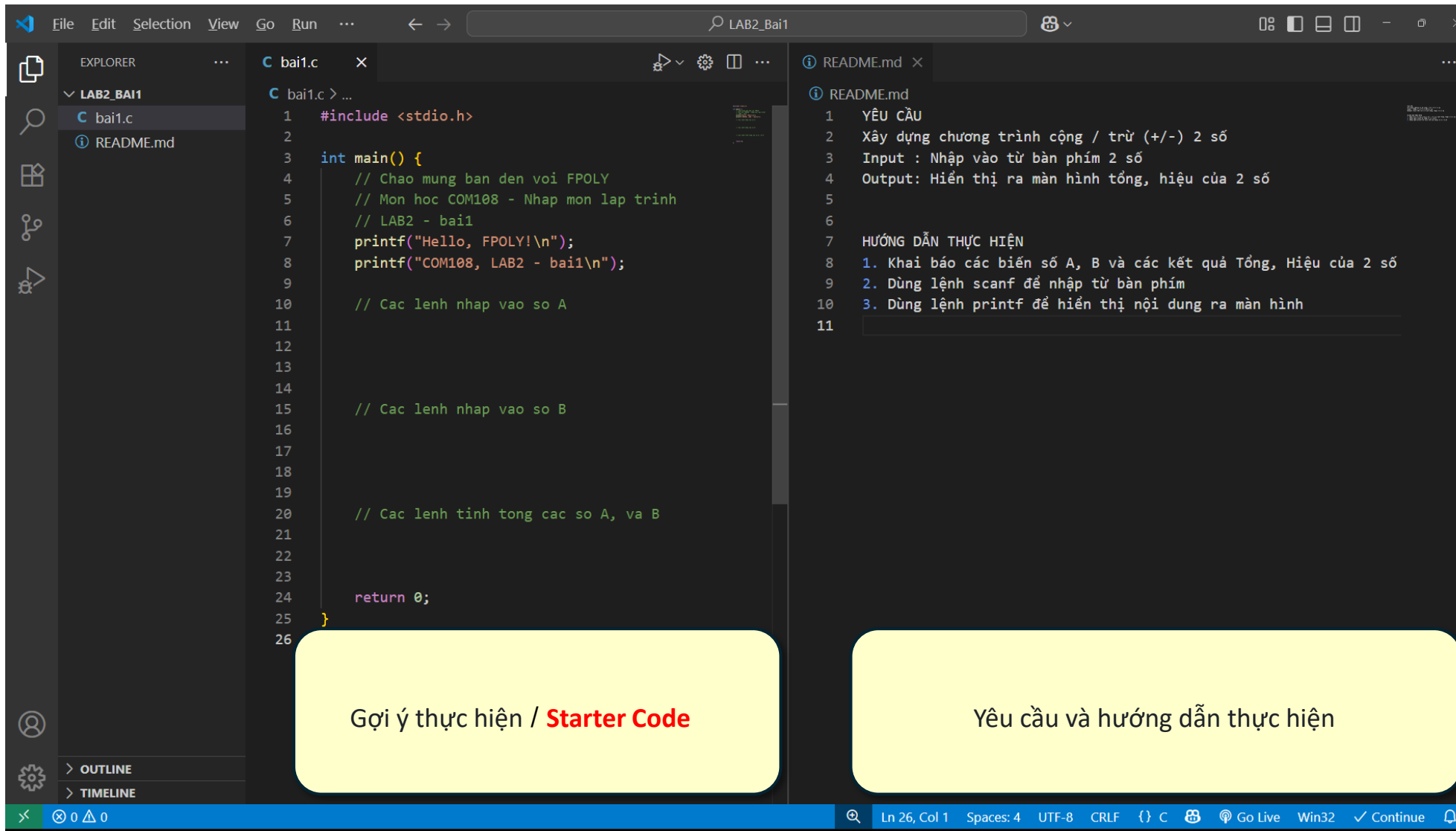
...or push an existing repository from the command line

```
git remote add origin https://github.com/vnTranTuan/COM108-LAB2-Bai1.git
git branch -M main
git push -u origin main
```



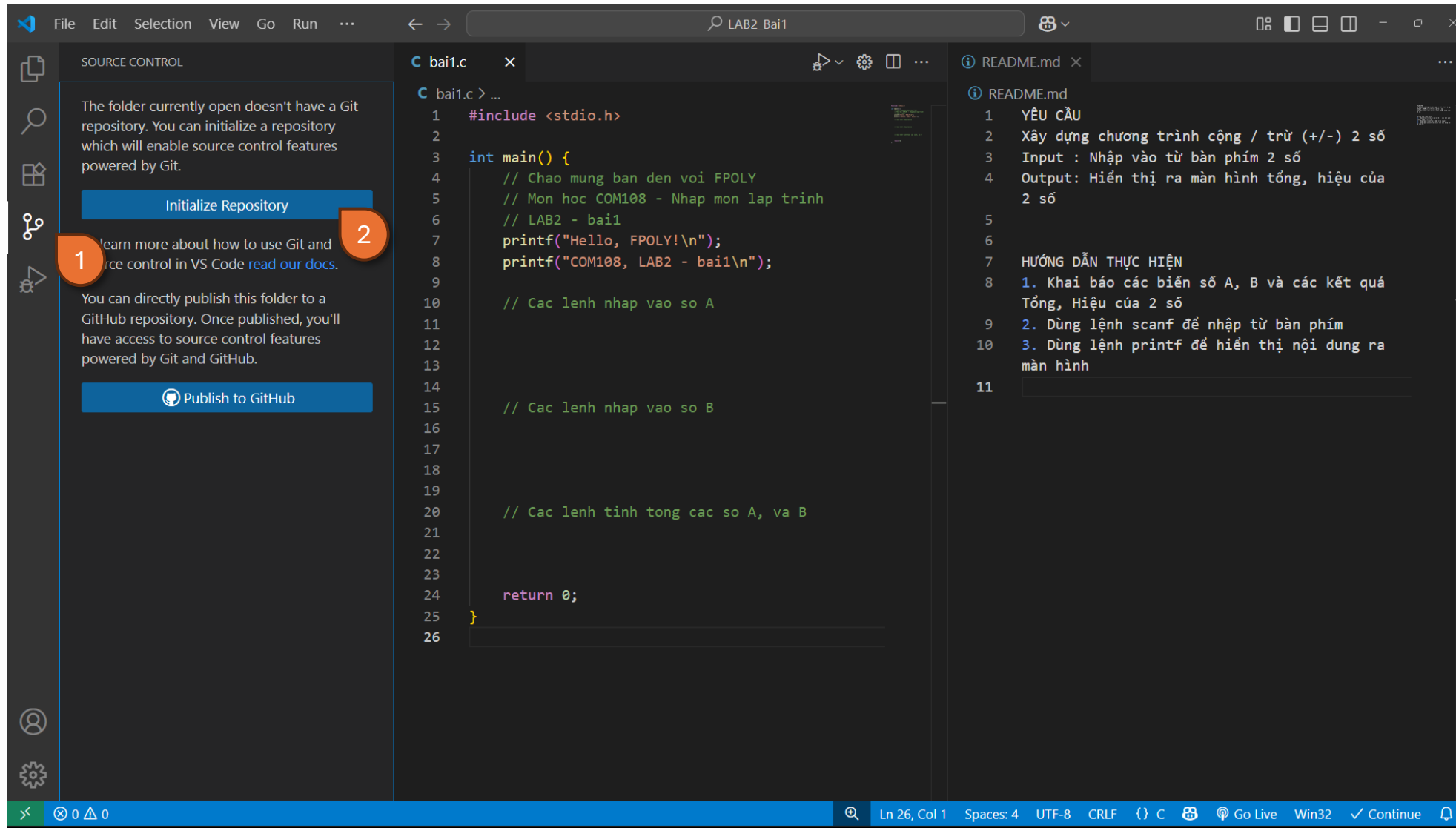


VS Code - Create Project (*ví dụ LAB2, bài 1*)



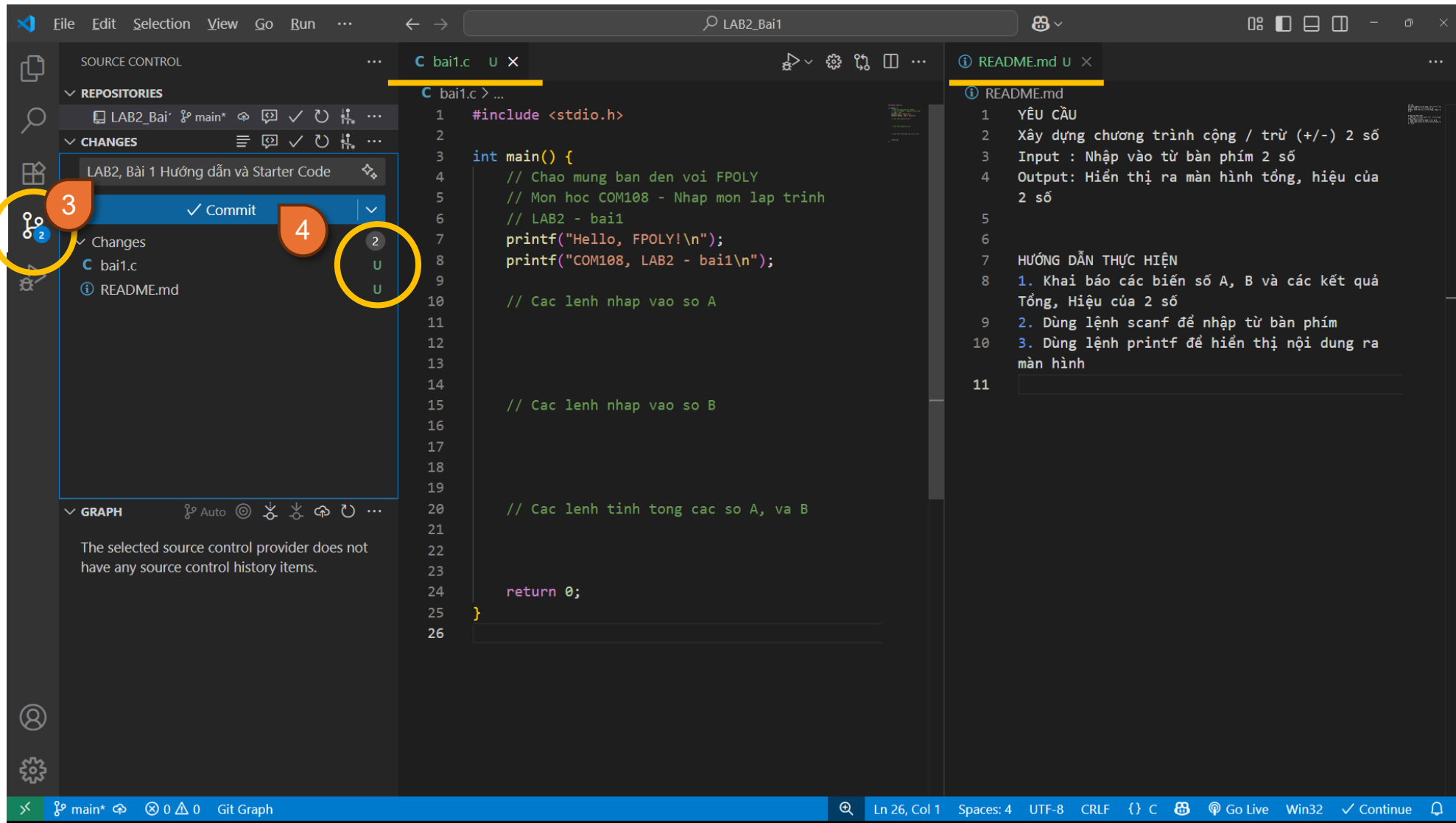


VS Code – Git Initialize Repository



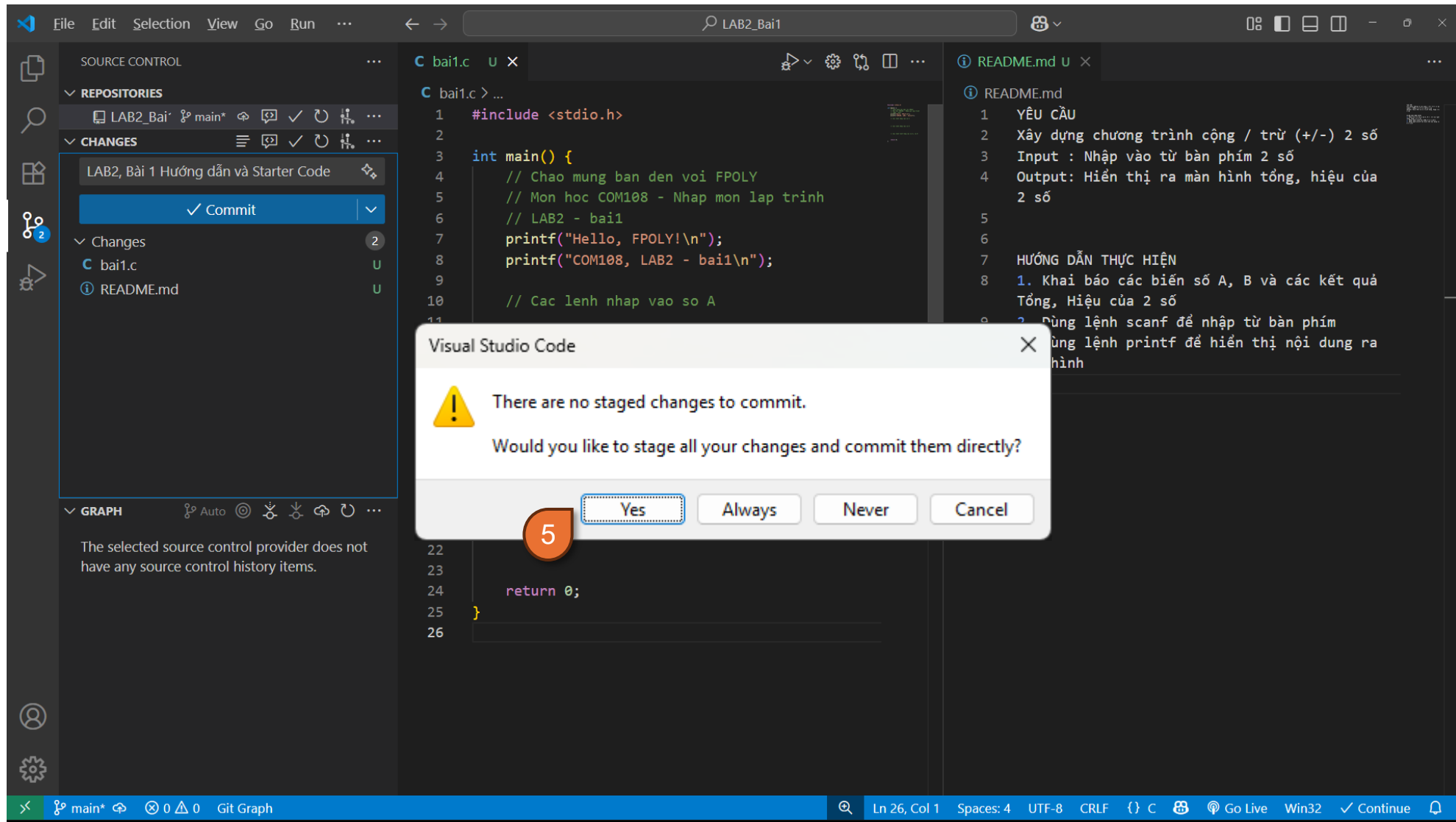


VS Code – Git Commit changes





VS Code – Git Commit changes





VS Code – Git Publish

Quick setup — if you've done this kind of thing before

Set up in Desktop or **HTTPS** SSH `https://github.com/vnTranTuan/COM108-LAB2-Bai1.git`

Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

...or create a new repository on the command line

```
echo "# COM108-LAB2-Bai1" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/vnTranTuan/COM108-LAB2-Bai1.git
git push -u origin main
```

...or push an existing repository from the command line

```
git remote add origin https://github.com/vnTranTuan/COM108-LAB2-Bai1.git
git branch -M main
git push -u origin main
```



VS Code – Git Publish

The screenshot shows the Visual Studio Code interface with a C program named `bai1.c` open in the editor. The program includes `<stdio.h>` and has a `main` function that prints "Hello, FPOLY!" and "COM108, LAB2 - bai1\n". The terminal window at the bottom shows the command `git branch -M main` being executed. A yellow callout box contains instructions for running the commands in the terminal.

```
#include <stdio.h> Use Ctrl + I to generate code
int main() {
    // Chao mung ban den voi FPOLY
    // Mon hoc COM108 - Nhap mon lap trinh
    // LAB2 - bai1
    printf("Hello, FPOLY!\n");
    printf("COM108, LAB2 - bai1\n");

    // Cac lenh nhap vao so A

    // Cac lenh nhap vao so B
```

YÊU CẦU Use Ctrl + I to generate code
Xây dựng chương trình cộng / trừ (+/-) 2 số
Input : Nhập vào từ bàn phím 2 số
Output: Hiển thị ra màn hình tổng, hiệu của 2 số

HƯỚNG DẪN THỰC HIỆN
1. Khai báo các biến số A, B và các kết quả Tổng, Hiệu của 2 số
2. Dùng lệnh scanf để nhập từ bàn phím
3. Dùng lệnh printf để hiển thị nội dung ra màn hình

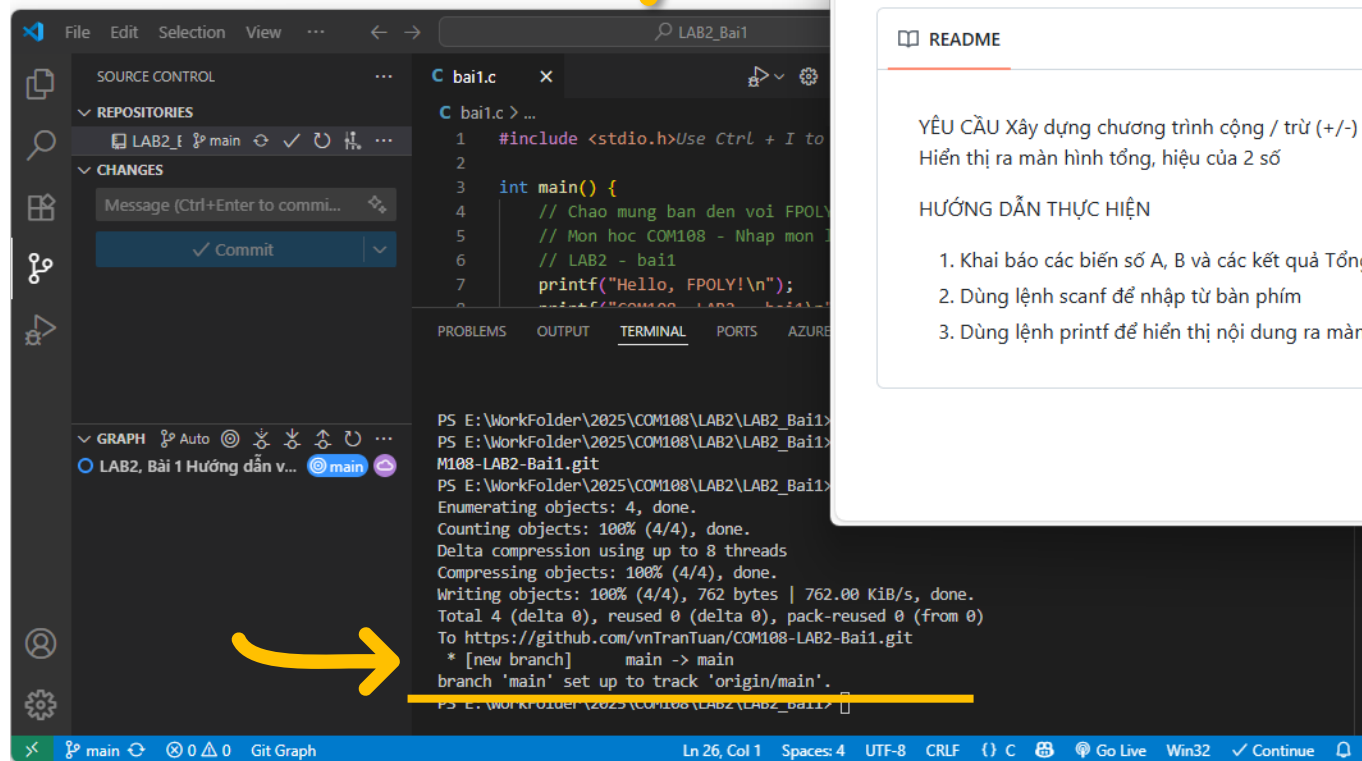
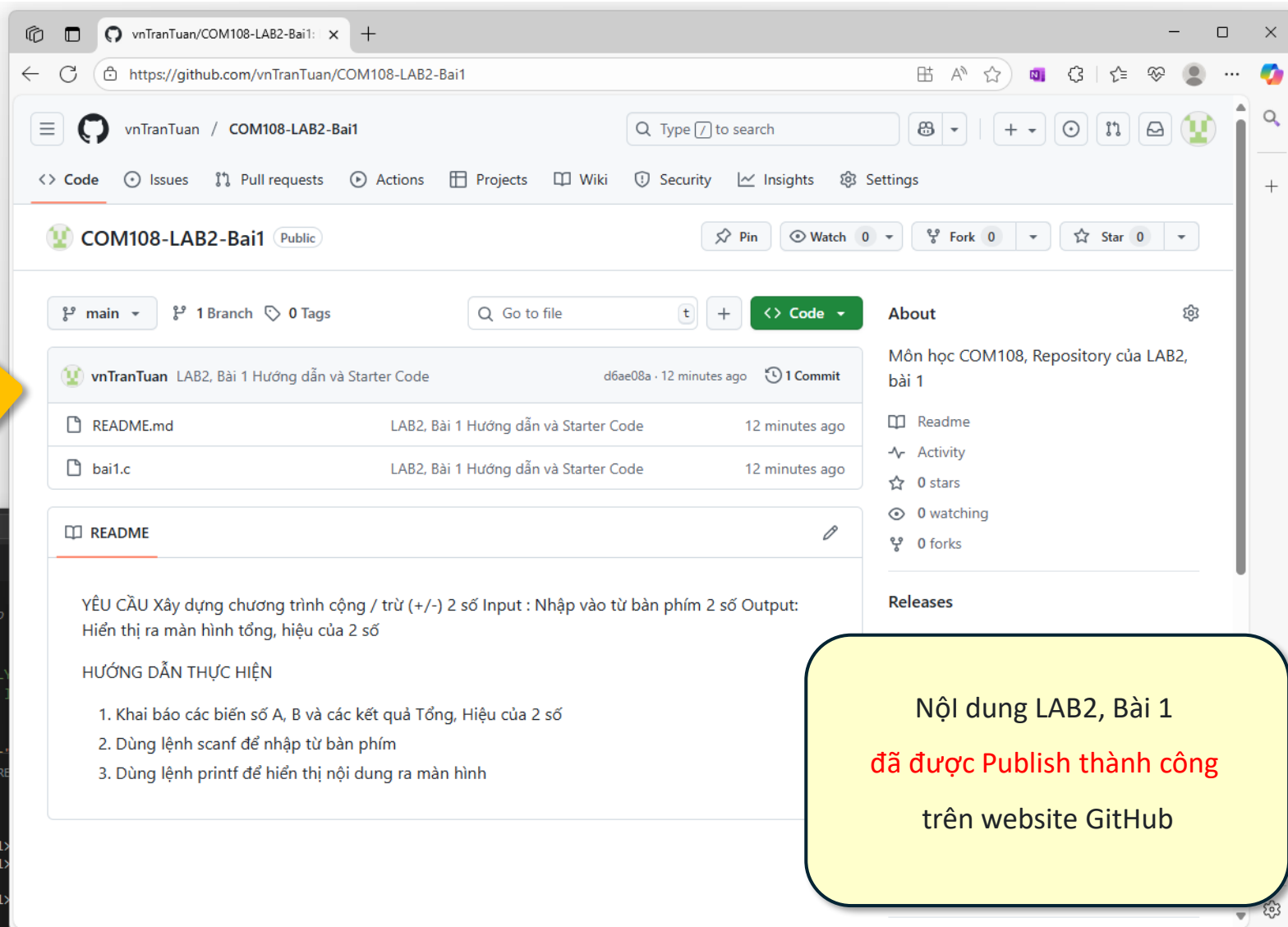
PS E:\WorkFolder\2025\COM108\LAB2\LAB2_Bai1> git branch -M main

Chạy lần lượt các lệnh sau, với `<username>` đã đăng nhập

```
git branch -M main
git remote add origin https://github.com/<username>/COM108-LAB2-Bai1.git
git push -u origin main
```




VS Code Git Publish



Tóm tắt



- ✓ 1. Cài đặt Git, và
- ✓ 2. **Sign up** / Đăng ký
GitHub account
- ✓ 3. **Clone repository**: download
nội dung từ một GitHub Repository
- ✓ 4. **Create repository** / Tạo
một Empty GitHub Repository
- ✓ 5. **Publish repository** / upload
nội dung lên GitHub Repository