



Git & GitHub Classroom

09-2025

Nhóm thực hiện

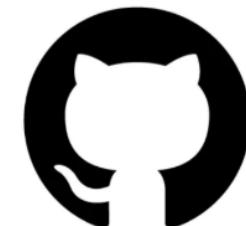
- Thân Hoàng Lộc
- Trần Quang Bình
- Trần Văn Huy
- Trần Anh Tuấn

Mục tiêu

Quản lý nội dung và trao đổi
về bài làm của sinh viên trong lớp học
bằng phần mềm GitHub Classroom



GitHub Classroom



GitHub

Nội dung



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

A



B

GitHub classroom
- Create classroom
- Owner, Admin, Teacher, Teacher Assistant (TA)
- Student roster
- Assignment
- Grading

Student work
Git basic
Join class – Do homework – Submit

C

Git & n8n

D

Nội dung

PHẦN 1

PHẦN 2

A

GitHub
Repository

B, C



GitHub - Classroom

B+, C+

Auto-grading

D

Git & n8n



Git – Version control system

Nội dung



A

Git basic

Git – GitHub – VS code

Git advanced

- Individual
- Team



Introduction & Installation

[Introduction to Git in VS Code](#)

[Git - Downloads](#)

A screenshot of the official Git website's "Downloads" page. The page features the GitHub logo at the top left, followed by the word "git" in its signature red diamond font. A search bar with a magnifying glass icon and placeholder text "Type / to search entire site..." is positioned to the right. On the far right, there is a dark circular icon. The main content area has a light gray background. On the left, a sidebar contains links for "About", "Documentation", "Downloads" (which is currently selected and highlighted in red), and "Community". Below these is a box containing information about the "Pro Git book". The main content area is titled "Downloads" in large, dark letters. It shows download links for "macOS", "Windows", and "Linux/Unix". Below these links, a note states: "Older releases are available and the [Git source repository](#) is on GitHub." To the right, there is a large image of a computer monitor displaying a teal-colored window for the "Latest source Release 2.51.0". The window includes a "Release Notes (2025-08-18)" link and a prominent "Download for Windows" button. At the bottom of the main content area, there are two sections: "GUI Clients" (describing built-in tools like git-gui and gitk) and "Logos" (mentioning various Git logos available in PNG and EPS formats). A "View Logos →" link is provided for the logos section.



GitHub account

[Sign up](#)

 Product ▾ Solutions ▾ Resources ▾ Open Source ▾ Enterprise ▾ Pricing

 Search or jump to...

[Sign in](#)

[Sign up](#)

Build and ship software on a single, collaborative platform

Join the world's most widely adopted AI-powered developer platform.

Enter your email

[Sign up for GitHub](#)

[Try GitHub Copilot](#)





GitHub Create Repository

The screenshot shows the GitHub 'New repository' creation interface. A context menu is open in the top right corner, with three numbered callouts pointing to specific elements:

- Callout 1 points to the 'New repository' option in the context menu.
- Callout 2 points to the 'Import repository' option in the context menu.
- Callout 3 points to the 'vnTranT' owner input field in the General section.

Create a new repository Preview [Switch back to classic experience](#)

Repositories contain a project's files and version history. Have a project elsewhere? [Import a repository](#). Required fields are marked with an asterisk (*).

1 General

Owner * vnTranT / Repository name *

Great repository names are short and memorable. How about [stunning-goggles](#)?

Description

0 / 350 characters

2 Configuration

Choose visibility * Public

Choose who can see and commit to this repository

Start with a template No template

Templates pre-configure your repository with files.

Add README Off

READMEs can be used as longer descriptions. [About READMEs](#)

Add .gitignore

.gitignore tells git which files not to track. [About ignoring files](#)

No .gitignore

Add license

Licenses explain how others can use your code. [About licenses](#)

No license

Create repository

<https://github.com/new>



GitHub Create Repository

The screenshot shows a GitHub repository page for 'vnTranTuan/FPOLY-COM108-HelloWorld'. The repository is public and contains one branch ('main') and one commit ('Initial commit' by 'vnTranTuan'). The README file is present but empty. The repository has 0 stars, 0 forks, and 0 watching. It also has no releases or packages published.

vnTranTuan / FPOLY-COM108-HelloWorld

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

FPOLY-COM108-HelloWorld Public

main 1 Branch 0 Tags Go to file + Code About

No description, website, or topics provided.

vnTranTuan Initial commit e97badd · 42 minutes ago 1 Commit

README.md Initial commit 42 minutes ago

README

FPOLY-COM108-HelloWorld

Readme Activity 0 stars 0 watching 0 forks

Releases No releases published [Create a new release](#)

Packages No packages published [Publish your first package](#)

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VS Code **Clone** Hello Project

The screenshot shows the Visual Studio Code interface with a dark theme. The top bar has the title 'VS Code Clone Hello Project'. The address bar shows the URL 'https://github.com/vnTranTuan/FPOLY-HelloWorld'. A tooltip above the address bar says 'Clone from URL https://github.com/vnTranTuan/FPOLY-HelloWorld' and 'Clone from GitHub'. The main area shows the GitHub repository page for 'vnTranTuan/FPOLY-HelloWorld'. On the left, the 'Start' menu is open, with the 'Clone Git Repository...' option highlighted by a yellow box and a large orange circle containing the number '1'. The 'Recent' section shows a workspace named 'FPOLY-HelloWorld' at 'E:\WorkFolder\2025\HelloProject' and another entry. On the right, there's a 'Walkthroughs' sidebar with links like 'Get started with VS Code', 'Get Started with C++ Development', 'Learn the Fundamentals', 'GitHub Copilot', and 'Get Started with Python Development'. At the bottom, there's a checkbox for 'Show welcome page on startup' and a status bar with icons for file operations and a 'Go Live' button.

1

2

https://github.com/vnTranTuan/FPOLY-HelloWorld

Visual Studio Code
Editing evolved

Start

- New File...
- Open File...
- Open Folder...
- Clone Git Repository...**
- Connect to...
- Generate New Workspace...

Recent

- FPOLY-HelloWorld E:\WorkFolder\2025\HelloProject
- https---github.com-vnTranTuan-FPOLY-COM108-HelloWorld E:\WorkFolder\20...

Walkthroughs

- Get started with VS Code**
Customize your editor, learn the basics, and start coding
- Get Started with C++ Development** New
- Learn the Fundamentals**
- GitHub Copilot** Updated
- Get Started with Python Development** Updated

Show welcome page on startup

0 ▲ 0

Go Live Continue



VS Code **Clone** Hello Project

The screenshot shows the VS Code interface with the following details:

- Title Bar:** Displays the search bar with "FPOLY-HelloWorld".
- Activity Bar (Left):** Shows icons for File, Find, Go, Open, Save, and others.
- Explorer View:** Shows the project structure under "FPOLY-HELLOWORLD": ".vscode", "hello.c" (selected), and "hello.exe".
- Code Editor (Right):** Displays the "hello.c" file content:

```
1 #include<stdio.h>
2
3 int main() {
4     printf("Hello, World!");
5     return 0;
6 }
```
- Bottom Status Bar:** Shows the current branch "master", commit count "0", warning count "0", and other status indicators like Git Graph, Spaces: 4, UTF-8, CRLF, and file type indicators.



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 'Create a new repository' interface. The 'Repository name' field is highlighted with a red circle labeled '3'. The 'Create repository' button at the bottom right is highlighted with a red circle labeled '4'. Other numbered circles (1, 2) point to the 'New repository' button in the sidebar and the 'New repository' option in the dropdown menu respectively.



Ví dụ - GitHub Create Empty Repository

Trang web của repository đã tạo

1

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

The screenshot shows a GitHub repository page for 'vnTranTuan/COM108-LAB2-Bai1'. A yellow callout box highlights the URL 'https://github.com/vnTranTuan/COM108-LAB2-Bai1' with a red number '1' above it. Below the URL, the page displays 'Quick setup — if you've done this kind of thing before' with options for 'Set up in Desktop' or 'HTTPS / SSH'. It provides command-line instructions for creating a new repository or pushing an existing one. A red number '2' is placed above the 'Quick setup' section.

1

2

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
```



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](#) <https://github.com/vnTranTuan/COM108-LAB2-Bai1.git>

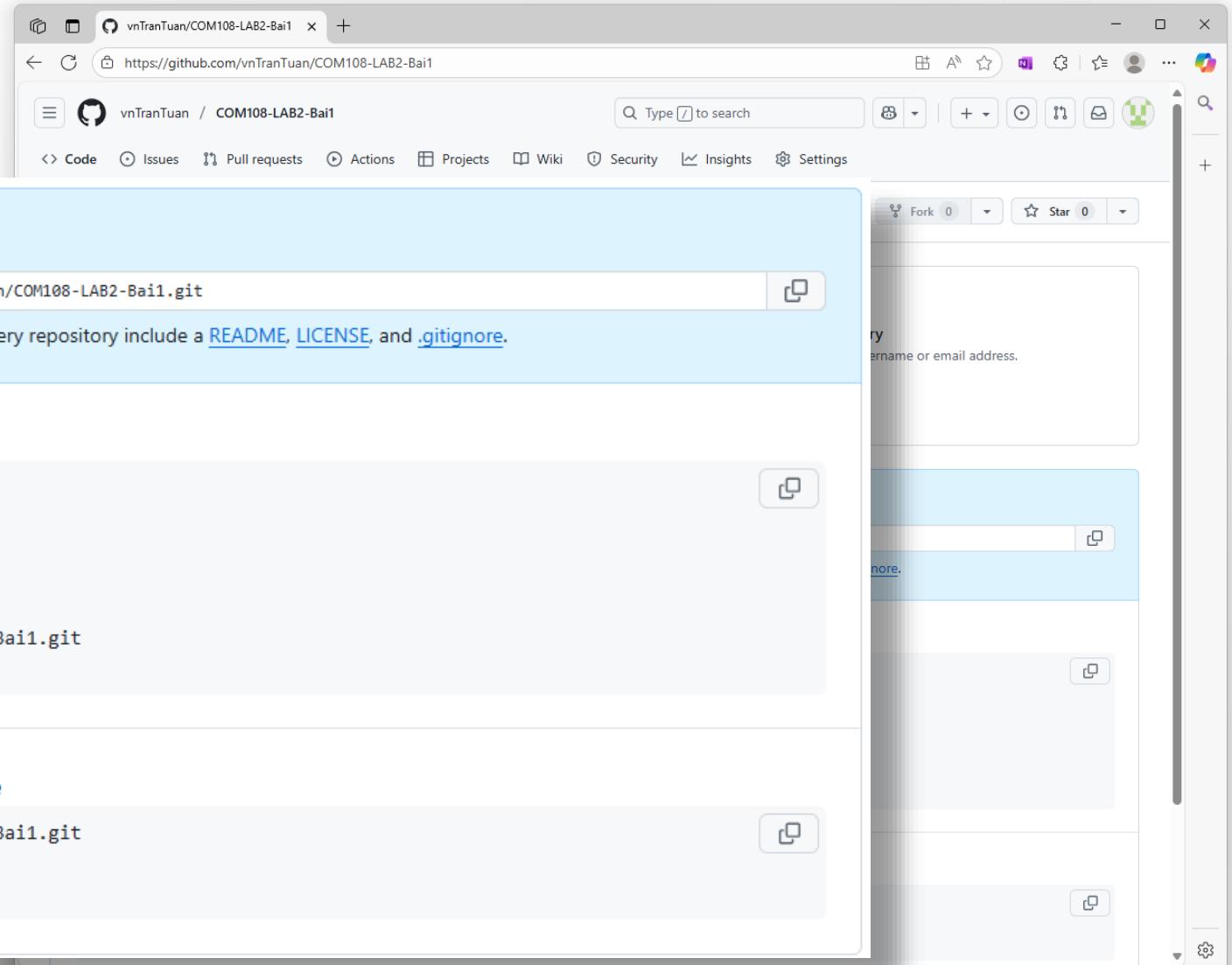
Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

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

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** Shows a project folder named "LAB2_BAI1" containing "bai1.c" and "README.md".
- Code Editor:** Displays the "bai1.c" file content:

```
#include <stdio.h>

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

    // Cac lenh tinh tong cac so A, va B

    return 0;
}
```
- README.md:** Displays requirements and instructions:

YÊU CẦU

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

 - Khai báo các biến số A, B và các kết quả Tổng, Hiệu của 2 số
 - Dùng lệnh scanf để nhập từ bàn phím
 - Dùng lệnh printf để hiển thị nội dung ra màn hình
- Bottom Status Bar:** Shows "Ln 26, Col 1" and other standard status bar items.
- Callouts:** Two yellow callout boxes highlight the code editor area.
 - The left callout says: **Gợi ý thực hiện / Starter Code**
 - The right callout says: **Yêu cầu và hướng dẫn thực hiện**



VS Code – Git Initialize Repository

The folder currently open doesn't have a Git repository. You can initialize a repository which will enable source control features powered by Git.

Initialize Repository (button 1)

Learn more about how to use Git and source control in VS Code [read our docs](#).

You can directly publish this folder to a GitHub repository. Once published, you'll have access to source control features powered by Git and GitHub.

Publish to GitHub (button 2)

`bai1.c`

```
1 #include <stdio.h>
2
3 int main() {
4     // Chao mung ban den voi FPOLY
5     // Mon hoc COM108 - Nhap mon lap trinh
6     // LAB2 - bai1
7     printf("Hello, FPOLY!\n");
8     printf("COM108, LAB2 - bai1\n");
9
10    // Cac lenh nhap vao so A
11
12
13
14
15    // Cac lenh nhap vao so B
16
17
18
19
20    // Cac lenh tinh tong cac so A, va B
21
22
23
24    return 0;
25 }
26
```

`README.md`

```
1 YÊU CẦU
2 Xây dựng chương trình cộng / trừ (+/-) 2 số
3 Input : Nhập vào từ bàn phím 2 số
4 Output: Hiển thị ra màn hình tổng, hiệu của
2 số
5
6
7 HƯỚNG DẪN THỰC HIỆN
8 1. Khai báo các biến số A, B và các kết quả
Tổng, Hiệu của 2 số
9 2. Dùng lệnh scanf để nhập từ bàn phím
10 3. Dùng lệnh printf để hiển thị nội dung ra
màn hình
11
```

File Explorer

Search

Terminal

Output

Problems

Source Control

File Edit Selection View Go Run ...

LAB2_Bai1

0 0 △ 0

Ln 26, Col 1 Spaces: 4 UTF-8 CRLF {} C ⚙ Go Live Win32 ✓ Continue



VS Code – Git Commit changes

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** Shows a repository named "LAB2_Bai1".
- Source Control:** Shows a commit message: "LAB2, Bài 1 Hướng dẫn và Starter Code".
 - Icon 3:** A circular icon with a blue "2" inside, indicating two changes.
 - Icon 4:** A circular icon with a blue "U" inside, indicating two untracked files.
- Editor:** Displays the content of "bai1.c".

```
#include <stdio.h>
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

    // Cac lenh tinh tong cac so A, va B

}
return 0;
```
- Terminal:** Shows the command "git graph".
- Status Bar:** Shows "Ln 26, Col 1" and "Spaces: 4".



VS Code – Git Commit changes

The screenshot shows the Visual Studio Code interface with a dark theme. On the left, the Source Control sidebar is open, showing a repository named 'LAB2_Bai1' with two staged changes: 'bai1.c' and 'README.md'. A prominent blue button labeled '✓ Commit' is visible. In the center, the code editor displays a C program named 'bai1.c' with the following content:

```
1 #include <stdio.h>
2
3 int main() {
4     // Chao mung ban den voi FPOLY
5     // Mon hoc COM108 - Nhap mon lap trinh
6     // LAB2 - bai1
7     printf("Hello, FPOLY!\n");
8     printf("COM108, LAB2 - bai1\n");
9
10    // Cac lenh nhap vao so A
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25     return 0;
26 }
```

To the right of the code editor, there is a large text block containing Vietnamese instructions for the program. A modal dialog box titled 'Visual Studio Code' is displayed in the foreground, containing the message: 'There are no staged changes to commit. Would you like to stage all your changes and commit them directly?'. It includes four buttons: 'Yes' (highlighted with a red circle containing the number 5), 'Always', 'Never', and 'Cancel'. The status bar at the bottom shows the file path 'main*' and other standard VS Code status indicators.



VS Code – Git Publish

The screenshot shows the VS Code interface with the Git Publish dialog open. The dialog provides options for quick setup, creating a new repository on the command line, or pushing an existing repository from the command line. Step 6 is highlighted in both sections.

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

...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
```

6

6



VS Code – Git Publish

The screenshot shows the Visual Studio Code interface with the following details:

- SOURCE CONTROL:** Shows a repository named "LAB2_Bai1" with a "main" branch.
- FILES:** Displays "bai1.c" and "README.md".
- CODE:** Content of bai1.c:

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

    // Các lệnh nhập vào số A
    // Các lệnh nhập vào số B
```
- README.md:** Content of README.md:

```
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
```
- TERMINAL:** Shows the command "git branch -M main" entered in the terminal.
- Bottom Status Bar:** Shows the path "E:\WorkFolder\2025\COM108\LAB2\LAB2_Bai1>" and the number "6" in an orange circle.

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

```

File Edit Selection View ... ← → LAB2_Bai1
File Edit Selection View ... ← → LAB2_Bai1
SOURCE CONTROL ...
REPOSITORIES LAB2_Bai1 main ✓ ⌂ ...
CHANGES Message (Ctrl+Enter to commit...) ✓ Commit ...
PROBLEMS OUTPUT TERMINAL PORTS AZURE
GRAPH ...
LAB2, Bài 1 Hướng dẫn v... @ main
PS E:\WorkFolder\2025\COM108\LAB2\LAB2_Bai1>
PS E:\WorkFolder\2025\COM108\LAB2\LAB2_Bai1>
M108-LAB2-Bai1.git
PS E:\WorkFolder\2025\COM108\LAB2\LAB2_Bai1>
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 762 bytes | 762.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/vnTranTuan/COM108-LAB2-Bai1.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
PS E:\WorkFolder\2025\COM108\LAB2\LAB2_Bai1>

```

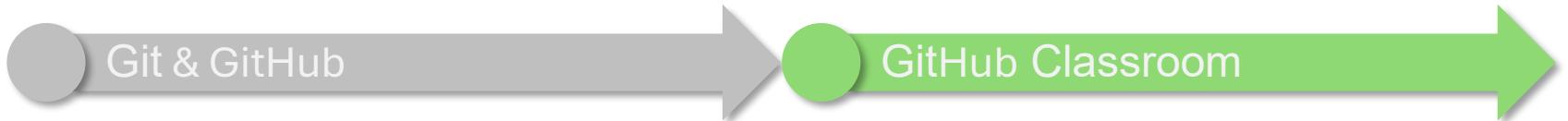
Nội dung LAB2, Bài 1
đã được Publish thành công
trên website GitHub

YÊU CẦU 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

- Khai báo các biến số A, B và các kết quả Tổng, Hiệu của 2 số
- Dùng lệnh scanf để nhập từ bàn phím
- Dùng lệnh printf để hiển thị nội dung ra màn hình

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 Repostiory
- Create classroom (Tạo lớp)
 - Create assignment, starter code

BẤM VÀO ĐÂY

ĐỂ CHUYỂN ĐỀN NỘI DUNG
GITHUB CLASSROOM



B



GitHub classroom

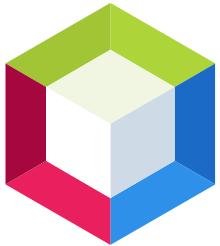
- Create classroom
- Owner, Admin, Teacher, Teacher Assistant (TA)
- Student roster
- Assignment
- Grading

*Các trang tiếp theo
tóm tắt cách thực hiện
những thao tác Git cơ bản
với*

NetBeans IDE

IntelliJ IDE

Eclipse IDE

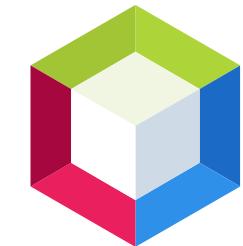


NetBeans IDE C/C++ Programming

The screenshot shows the Apache NetBeans IDE 12.4 interface. On the left is the 'Start Page' with a 'Learn & Discover' sidebar containing links like 'Take a Tour', 'Try a Sample Project', 'What's New', and 'Community Corner'. In the center is an 'About' dialog box displaying the Apache NetBeans logo and version information. A yellow callout box highlights the version as 'Apache NetBeans IDE 12.4 Java: 11 Windows 11'. At the bottom, a white box lists system details.

Product Version: Apache NetBeans IDE 12.4
Updates: [Updates available](#) to version [NetBeans 8.2 Patch 2](#)
Java: 11.0.27; Java HotSpot(TM) 64-Bit Server VM 11.0.27+8-LTS-232
Runtime: Java(TM) SE Runtime Environment 11.0.27+8-LTS-232
System: Windows 11 version 10.0 running on amd64; UTF-8; en_US (nb)
User directory: C:\Users\TuanTA\AppData\Roaming\NetBeans\12.4
Cache directory: C:\Users\TuanTA\AppData\Local\NetBeans\Cache\12.4

Apache NetBeans IDE 12.4
Java: 11
Windows 11



NetBeans IDE C/C++ Programming

The screenshot shows the Apache NetBeans IDE 12.4 interface. On the left, the main window displays the "Learn & Discover" section. A yellow callout bubble with a black border and a yellow arrow points from the text "Install Plugin C/C++" towards the Plugins dialog. The Plugins dialog is open, showing the "Installed (12)" tab. It lists various plugins, with "C/C++" selected and highlighted in blue. The right panel provides details about the selected plugin:

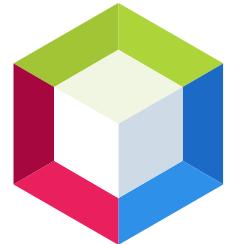
Select	Name	Category	Active
<input type="checkbox"/>	HTML5	Features	Enabled
<input type="checkbox"/>	User Installed Plugins	Features	Enabled
<input type="checkbox"/>	Java SE	Features	Enabled
<input type="checkbox"/>	Tools	Features	Enabled
<input type="checkbox"/>	PHP	Features	Enabled
<input type="checkbox"/>	JavaFX 2	Features	Enabled
<input type="checkbox"/>	Groovy	Features	Enabled
<input type="checkbox"/>	Java Web and EE	Features	Enabled
<input type="checkbox"/>	Developing NetBeans	Features	Enabled
<input type="checkbox"/>	C/C++	Features	Enabled
<input type="checkbox"/>	Service Registry	Features	Enabled
<input type="checkbox"/>	Base IDE	Features	Enabled

C/C++
Version: 1.3
Source: Apache NetBeans IDE 12.4

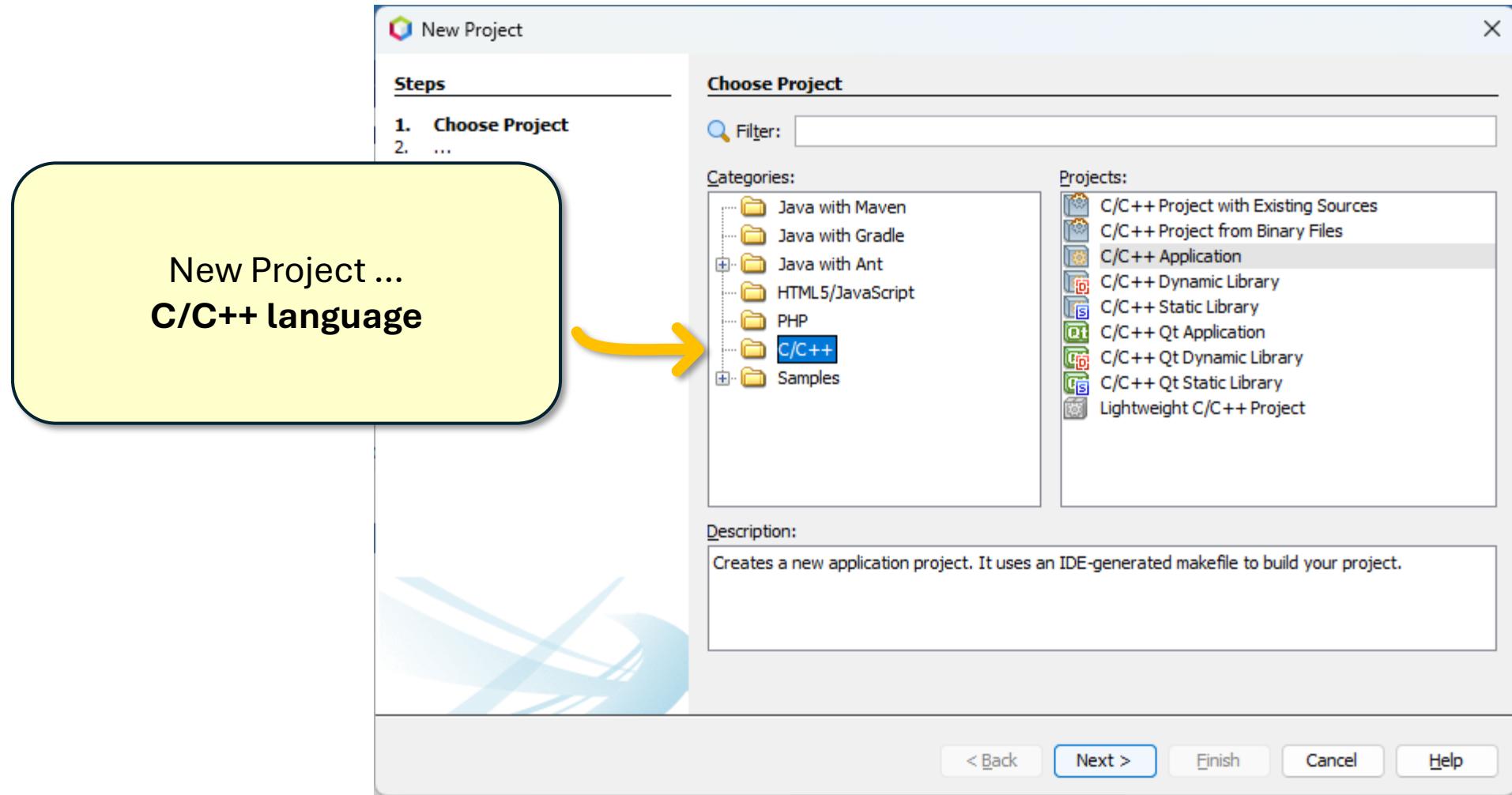
Plugin Description
CPPLite Kit
A temporary lightweight C/C++ support. The editing features require ccls to be installed.

Module installed:
CPPLite Kit

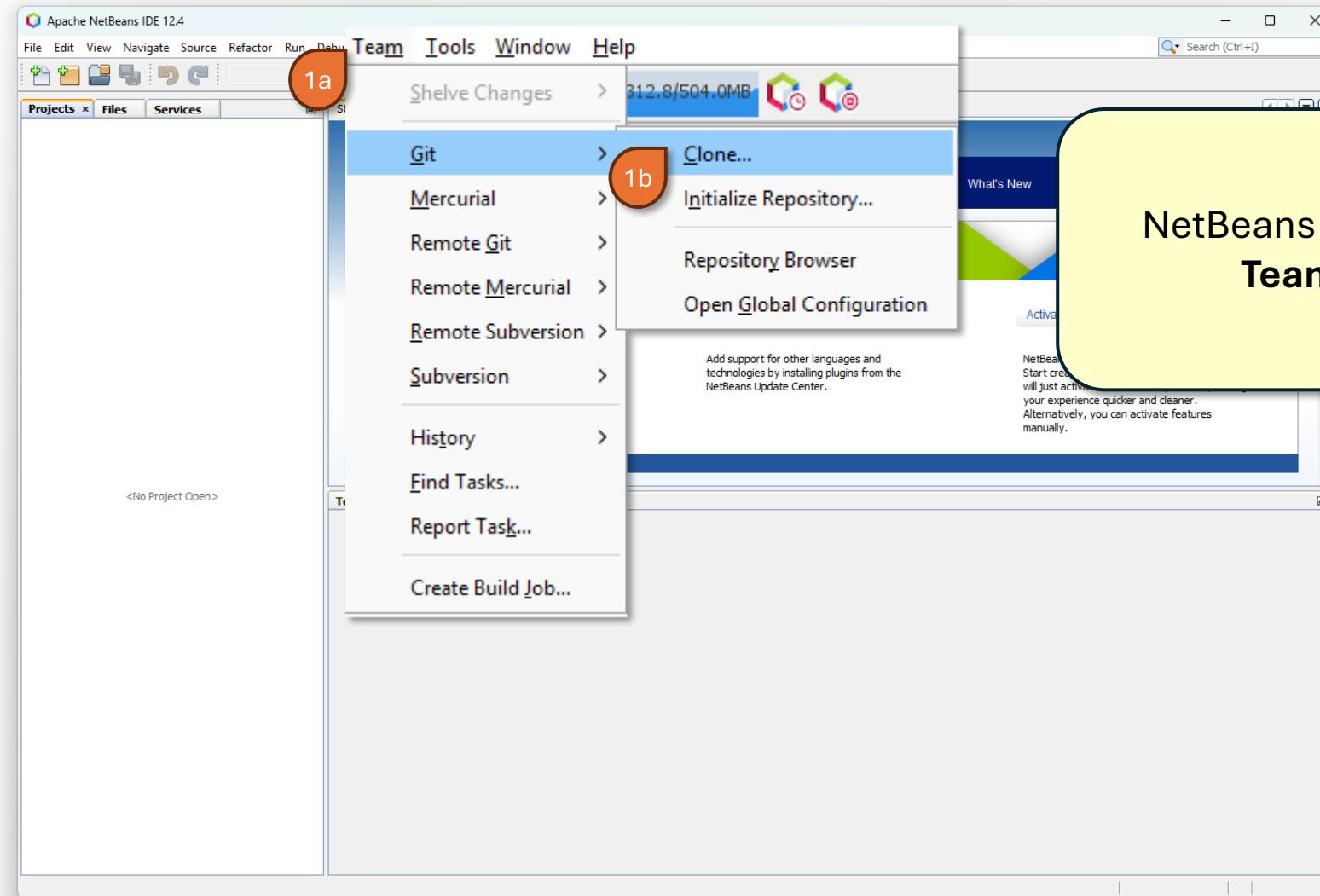
Activate Deactivate Uninstall Close Help



NetBeans IDE C/C++ Programming

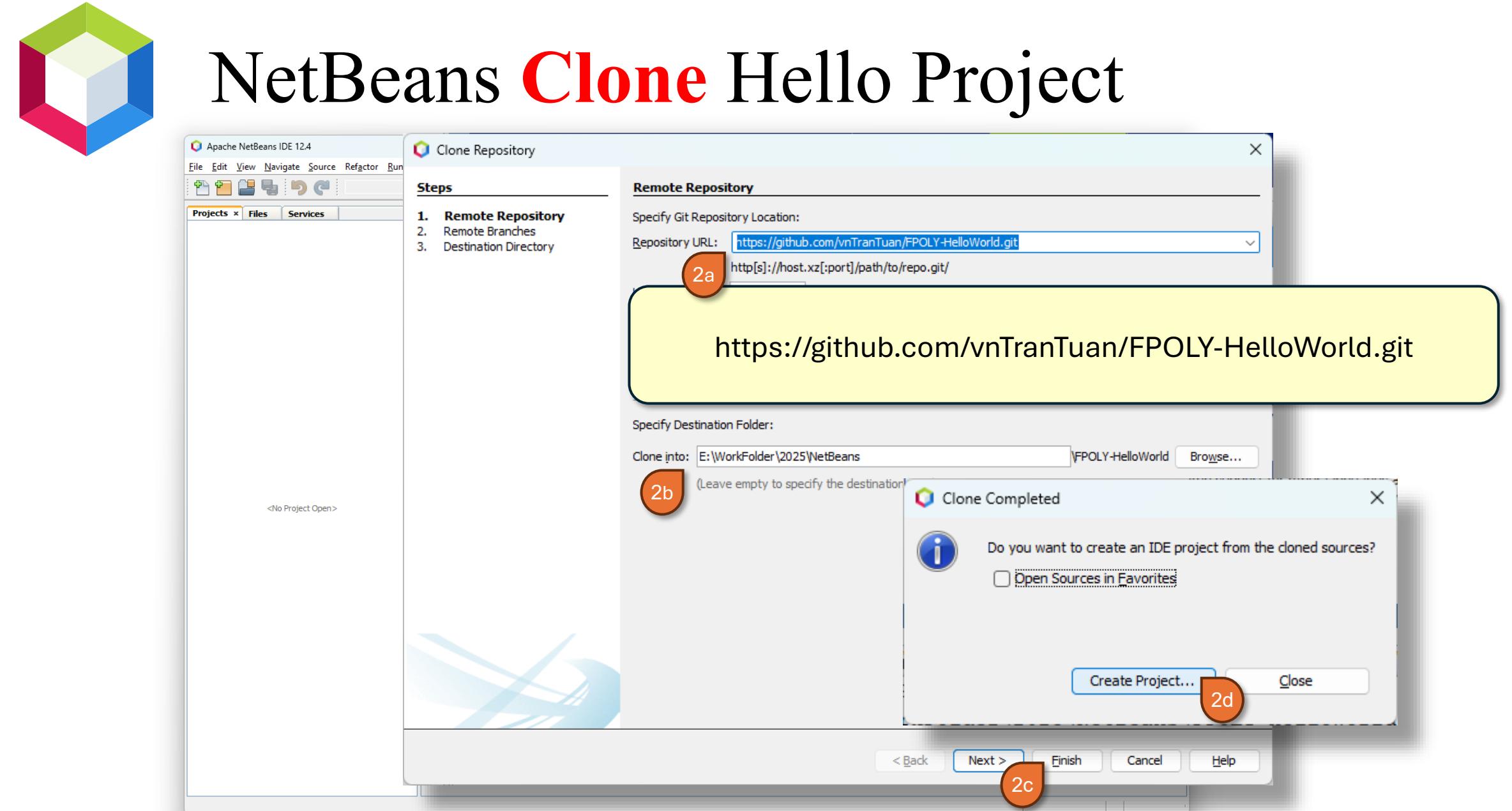


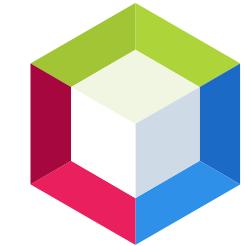
NetBeans **Clone** Hello Project



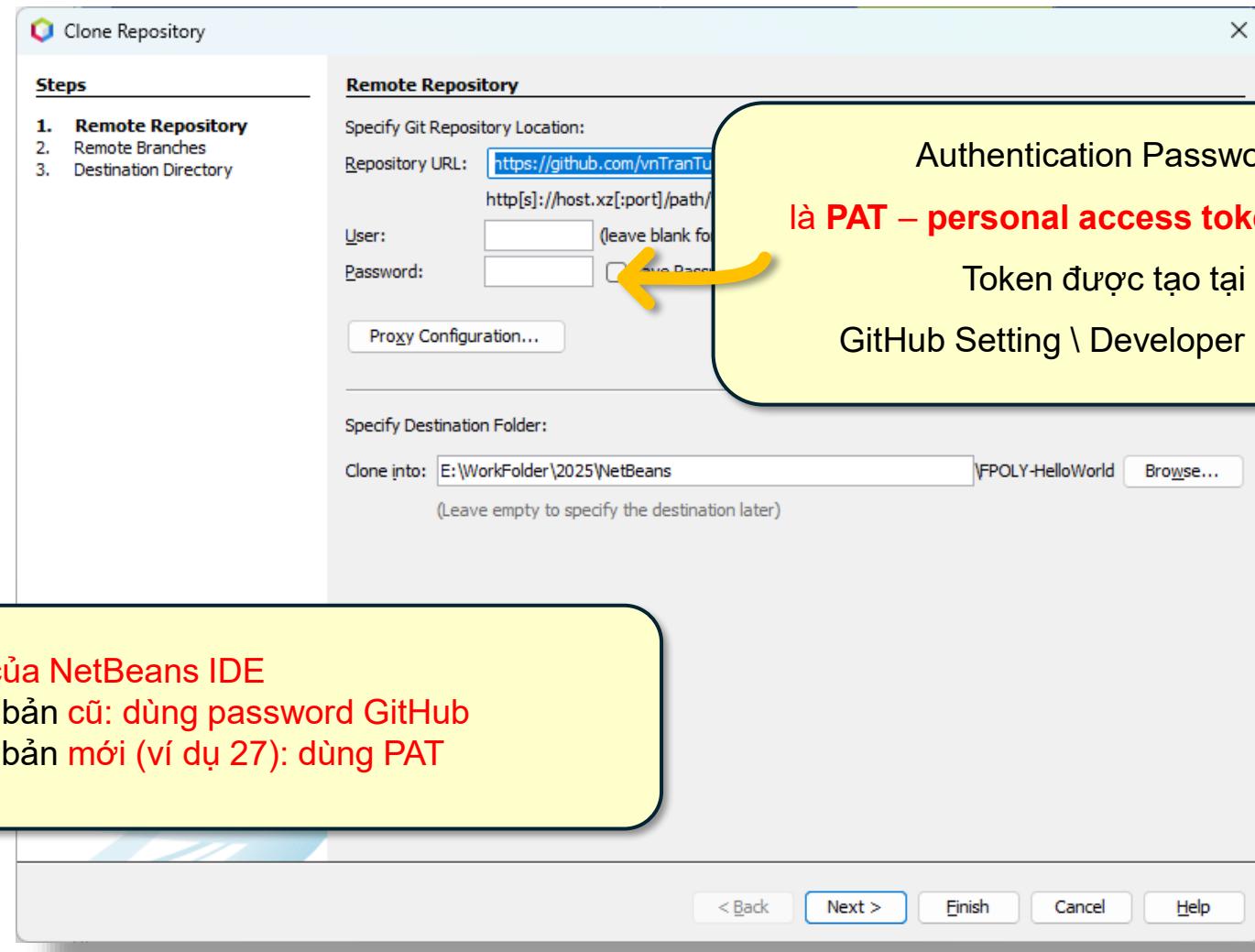
NetBeans application, và chọn ...
Team \ Git \ Clone ...

NetBeans Clone Hello Project





NetBeans **Clone** Hello Project



Authentication Password

là PAT – personal access token (classic)

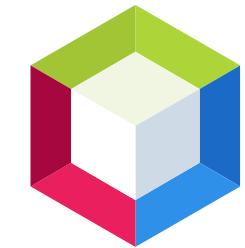
Token được tạo tại

GitHub Setting \ Developer Settings

Lưu ý phiên bản của NetBeans IDE

Đối với các phiên bản cũ: dùng password GitHub

Đối với các phiên bản mới (ví dụ 27): dùng PAT



NetBeans Clone Hello Project

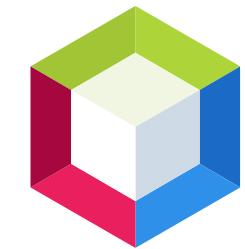
The screenshot shows the Apache NetBeans IDE 12.4 interface. The title bar reads "FPOLY-HelloWorld - Apache NetBeans IDE 12.4". The menu bar includes File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help. The toolbar has various icons for file operations. The Projects tab in the left sidebar shows a project named "FPOLY-HelloWorld" containing ".vscode", "hello.c", and "hello.exe". The Files tab shows "Important Files". The Editor panel displays the "hello.c" file with the following code:

```
#include<stdio.h>
int main() {
    printf("Hello, World!\n");
    printf("Hello, COM108 FPOLY");
    return 0;
}
```

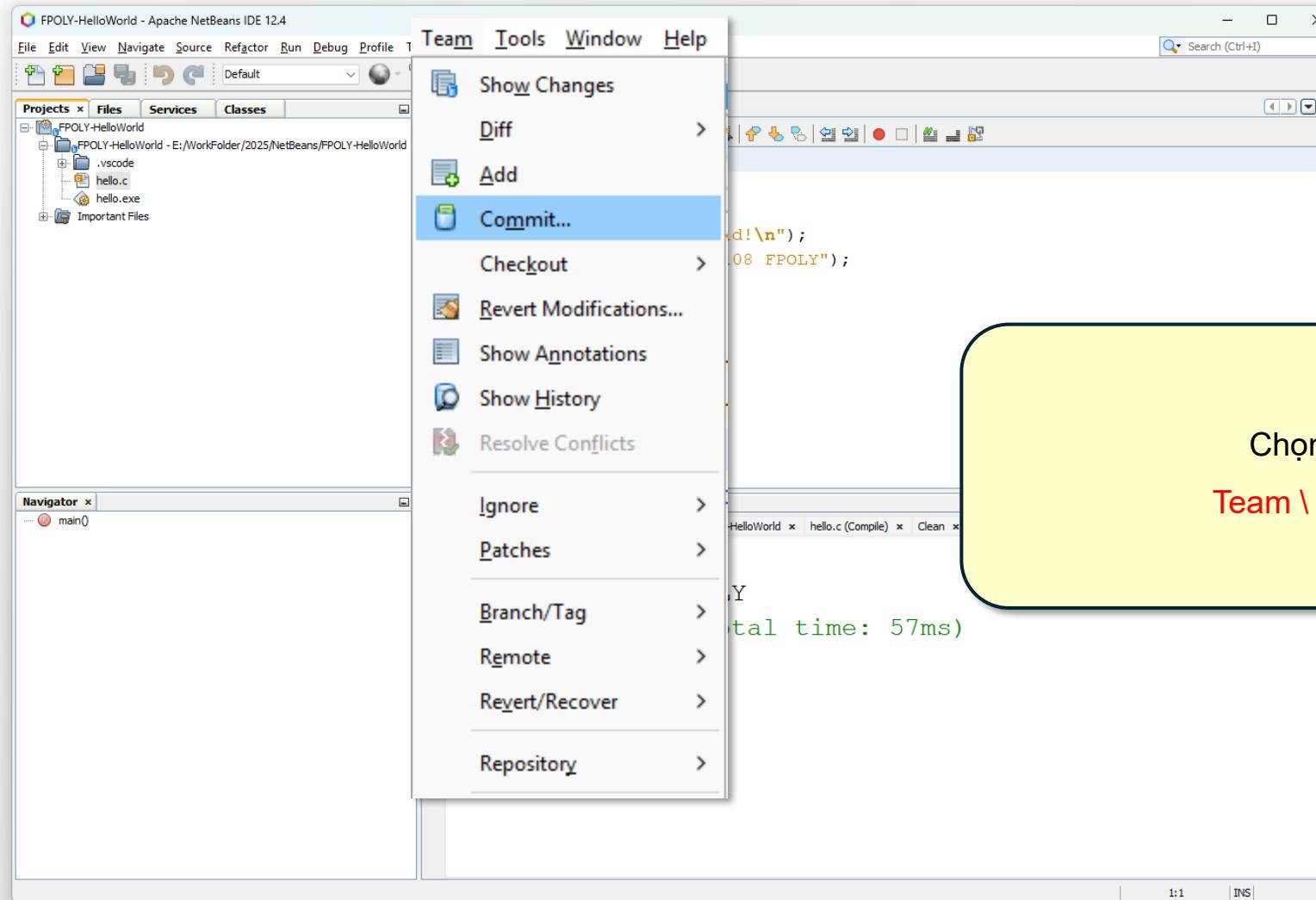
The Output panel at the bottom shows the results of running the program:

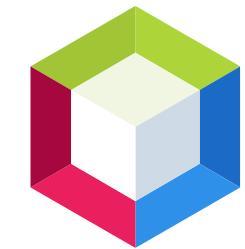
```
Hello, World!
Hello, COM108 FPOLY
RUN SUCCESSFUL (total time: 57ms)
```

Project **đã clone**
và kết quả chạy chương trình
với NetBeans IDE

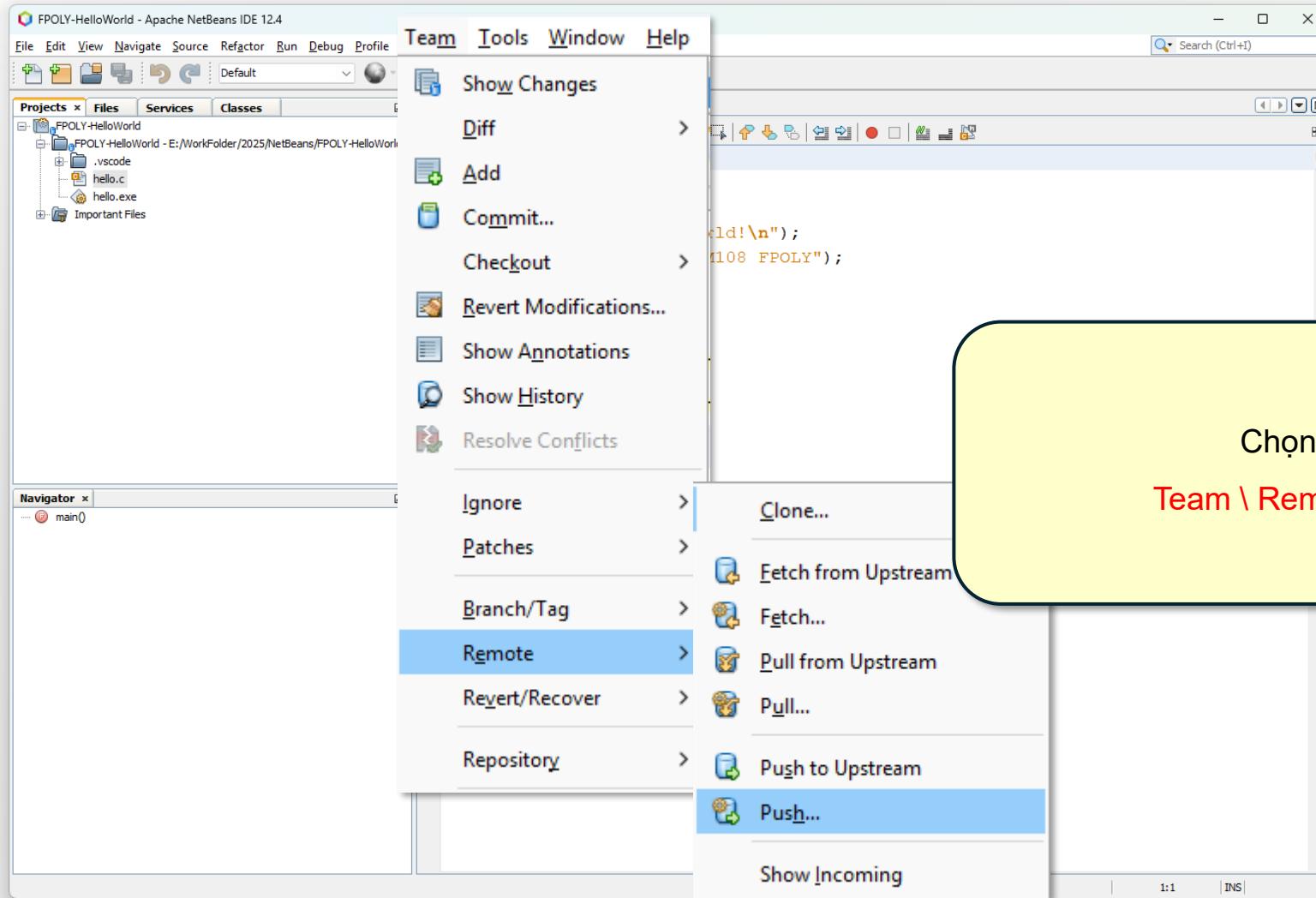


NetBeans Commit changes





NetBeans Push changes

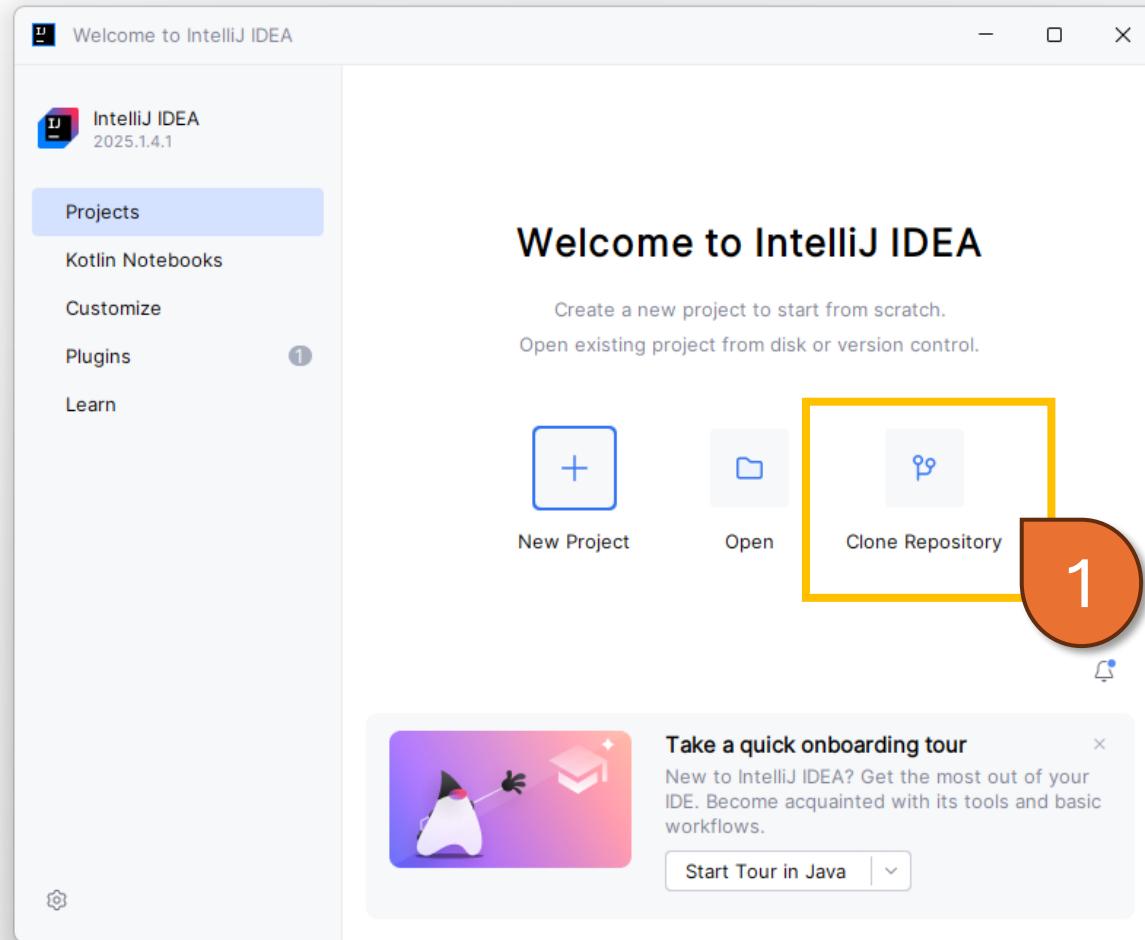


Chọn menu

Team \ Remote \ Push...

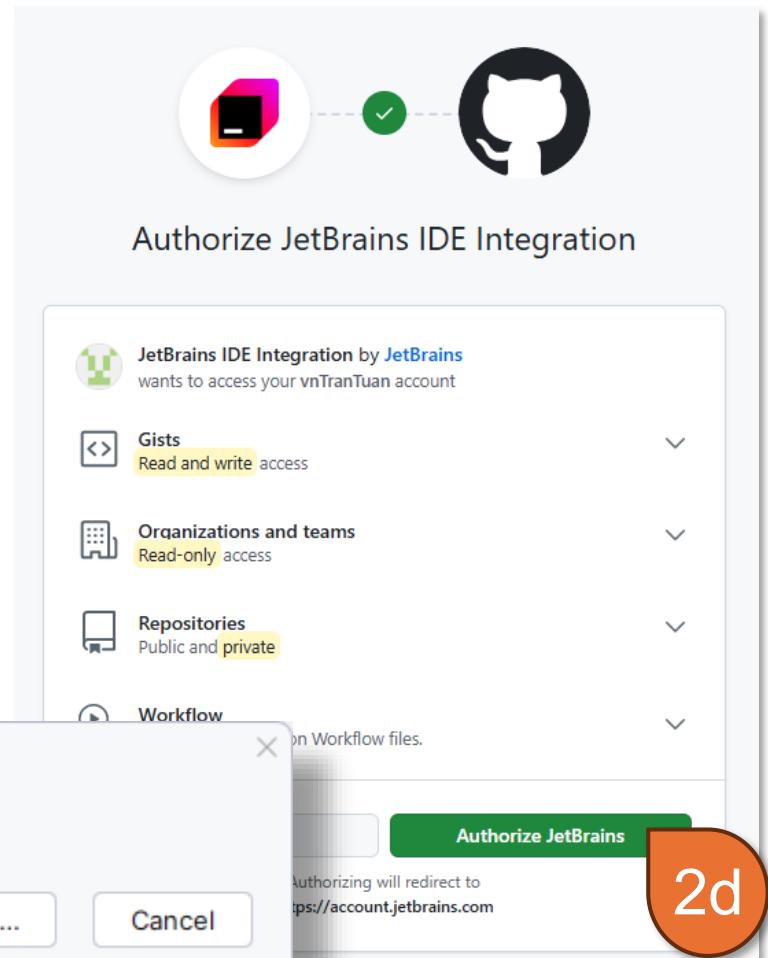
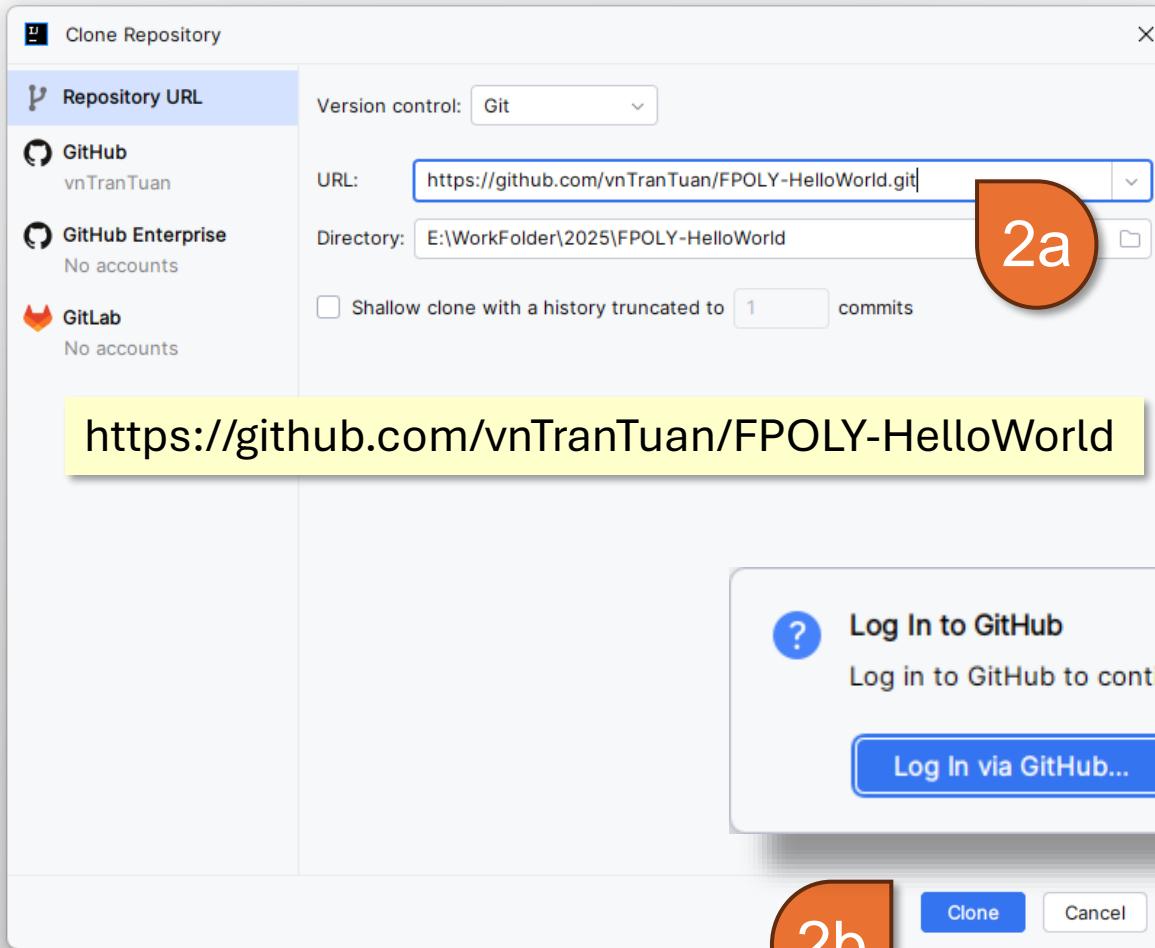


IntelliJ **Clone** Hello Project





IntelliJ **Clone** Hello Project





IntelliJ **Clone** Hello Project

The screenshot shows the IntelliJ IDEA interface with the following details:

- Project View:** Shows a project named "FPOLY-HelloWorld" located at "E:\WorkFolder\2025\FPOLY-HelloWorld". Inside the project, there is a ".vscode" folder containing "hello.c" and "hello.exe".
- Code Editor:** The file "hello.c" is open, displaying the following C code:

```
#include<stdio.h>
int main() {
    printf("Hello, World!");
    return 0;
}
```
- Output Window:** The "Output" tab is selected, showing the results of running the program:

```
% gcc hello.c -o hello.exe
Compilation complete with exit code 0
Compilation succeeded.
Saved compiled executable as E:/WorkFolder/2025/FPOLY-HelloWorld/hello.exe

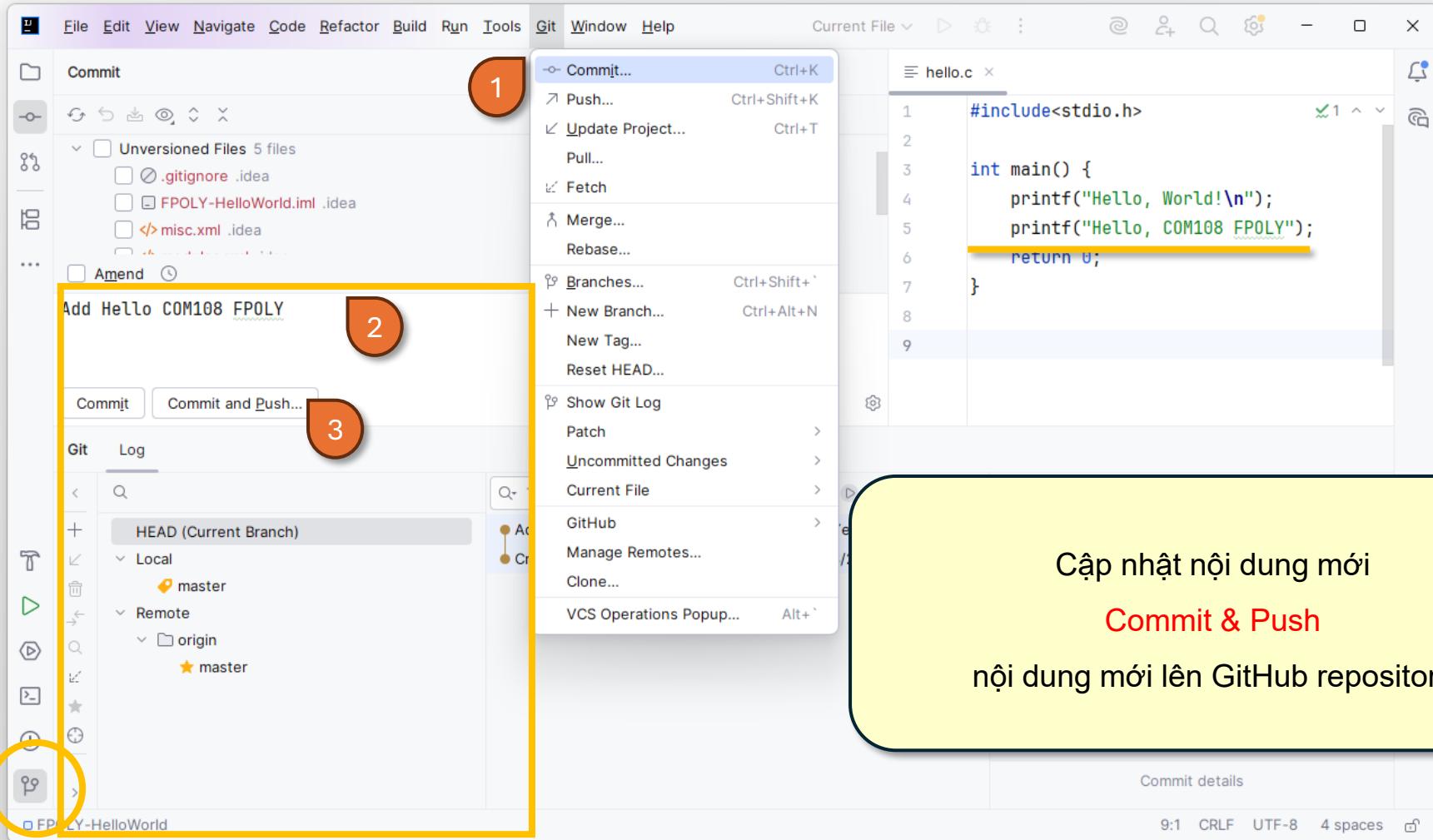
% E:\WorkFolder\2025\FPOLY-HelloWorld\hello.exe
Hello, World!
Program finished with exit code: 0
```

A yellow callout box with a black border is positioned over the output window, containing the text:

Project **đã clone**
và kết quả chạy chương trình
với IntelliJ IDE



IntelliJ Commit & Push changes





Eclipse C/C++ programming

The screenshot shows the Eclipse Installer window with the title "eclipseinstaller by Oomph". It lists several Eclipse IDE variants:

- Eclipse IDE for Java Developers**: The essential tools for any Java developer, including a Java IDE, a Git client, XML Editor, Maven and Gradle integration.
- Eclipse IDE for Enterprise Java and Web Developers**: Tools for developers working with Java and Web applications, including a Java IDE, tools for JavaScript, TypeScript, JavaServer Pages and Faces, YAML, Markdown, Web Services, JPA and Data Tools, Maven and Gradle, Git, and more.
- Eclipse IDE for C/C++ Developers**: An IDE for C/C++ developers.
- Eclipse IDE for Embedded C/C++ Developers**: An IDE for Embedded C/C++ developers. It includes managed cross build plug-ins (Arm and RISC-V) and debug plug-ins (SEGGER J-Link, OpenOCD, pyocd, and QEMU), plus a number of templates to create ready to run blinky projects.
- Eclipse IDE for PHP Developers**: The essential tools for any PHP developer, including PHP language support, Git client and editors for JavaScript, TypeScript, HTML, CSS and more. Includes links to raise issues with Eclipse PHP Development Tools and Eclipse Web Tools Platform.
- Eclipse IDE for Eclipse Committers**: Package suited for development of Eclipse itself at Eclipse.org; based on the Eclipse Platform adding PDE, Git, Marketplace Client, source code management, and developer documentation.
- Eclipse IDE for Java and DSL Developers**: The essential tools for Java and DSL developers, including a Java Xtend IDE, a DSL Framework (Xtext), a Git client, XML Editor, and Maven integration.

Sử dụng Eclipse installer

Eclipse IDE for C/C++ developers



Eclipse Clone Hello Project (C/C++)

The screenshot shows the Eclipse IDE interface. On the left, the 'Git Repositories' view is open, displaying options to 'Add an existing local Git repository', 'Clone a Git repository', and 'Create a new local Git repository'. A message in the view states: 'Could not create the view: org.eclipse.jdt.ui.PackageExplorer'. In the center, the 'Clone Git Repository' dialog is displayed. It shows the 'Source Git Repository' configuration with the following fields:

- Location**:
 - URI: `github.com/vnTranTuan/FPOLY-HelloWorld.git`
 - Host: `github.com`
 - Repository path: `/vnTranTuan/FPOLY-HelloWorld.git`
- Connection**:
 - Protocol: `https`
 - Port:
- Authentication**:
 - User: `vnTranTuan`
 - Password: `*****` (The password field is redacted with asterisks.)
 - Store in Secure Store

A yellow callout box with a black border and a yellow arrow points from the 'Password' field to the right. Inside the callout box, the following text is displayed:

Authentication Password
là PAT – personal access token (classic)
Token được tạo tại
GitHub Setting \ Developer Settings



Eclipse **Clone** Hello Project (C/C++)

The screenshot shows the Eclipse IDE interface with two open dialog boxes for cloning a Git repository.

Left Dialog: Branch Selection

- Header: Clone Git Repository
- Message: Could not create the view org.eclipse.jdt.ui.Package
- Section: Branch Selection
- Description: Select branches to clone from remote repository. Remote tracking branches will be created to track updates for these branches in the remote repository.
- List: Branches of https://github.com/vnTranTuan/FPOLY-HelloWorld.git:
master (selected)
- Buttons: Select All, Deselect All
- Section: Tag fetching strategy
Radio buttons: When fetching a commit, also fetch its tags (selected), Fetch all tags and their commits, Don't fetch any tags

Right Dialog: Local Destination

- Header: Clone Git Repository
- Section: Local Destination
- Description: Configure the local storage location for FPOLY-HelloWorld.
- Section: Destination
- Text: Directory: E:\WorkFolder\2025\Eclipse\FPOLY-HelloWorld (Browse button)
- Text: Initial branch: master
- Check box: Clone submodules
- Section: Configuration
- Text: Remote name: origin
- Section: Projects
- Check box: Import all existing Eclipse projects after clone finishes
- Section: Working sets
- Check box: Add project to working sets (New... button, Select... button)
- Text: Working sets:



Eclipse **Clone** Hello Project (C/C++)

The screenshot shows the Eclipse IDE interface with a C/C++ project named "LAB2_b1". The "Project Explorer" view on the left displays the project structure, including source files like "main.c" and header files like "stdio.h". The "main.c" file content is:

```
1 #include<stdio.h>
2
3 int main() {
4     printf("Hello, World!\n");
5     printf("Hello, COM108 FPOLY");
6     return 0;
7 }
8
9 
```

The "Console" view at the bottom shows the output of the program execution:

```
<terminated> (exit value: 0) LAB2_b1 Debug [C/C++ Application]
Hello, World!
Hello, COM108 FPOLY
```

A yellow callout bubble on the right side contains the text:

Project **đã clone**
và kết quả chạy chương trình
với Eclipse IDE

Nội dung



B

GitHub classroom

- Create classroom
- Owner, Admin, Teacher, Teacher Assistant (TA)
- Student roster
- Assignment
- Grading



Setup Git Organization



Before setting up GitHub Classroom, you'll need an authorized organization in your GitHub account.

GitHub Classroom uses organization accounts to manage permissions, administration, and security for classrooms.



Need an organization?

Create a free Team for Open Source organization account. Then you'll need to grant access to Classroom by following the next step.

[Create an organization](#)



Already have an organization?

Grant access to the organization you'd like to use, then come back here. Just click the "Grant" button on the lower right on the settings page.

[Go grant access](#)



Create GitHub Classroom

Danh sách các Classroom lưu tại địa chỉ

<https://classroom.github.com/classrooms>

The screenshot shows a web browser window titled "Your Classrooms". The address bar contains the URL <https://classroom.github.com/classrooms>. The main content area is titled "Your Classrooms" and displays a list of classrooms. At the top right of this list are buttons for "View: Active", "Sort by: Newest first", and "+ New classroom". Below this, there is a list of classroom entries:

- COM108-UDPM-classroom-class-SU25-01
COM108-UDPM
 - LAB2
 - Starter assignment



Create GitHub Classroom

Organization
Các classroom sẽ được tổ chức
theo các Organization

Classroom name
Đặt tên Classroom là duy nhất

The screenshot shows a web browser window titled "New Classroom: Name Your Classroom". The URL in the address bar is <https://classroom.github.com/classrooms/227212486-com108-udpm-classroom-8decf9/setup>. The page header includes the GitHub Classroom logo and the GitHub Education link. The main content area is titled "New Classroom" with the sub-instruction "Name your Classroom". A text input field contains the value "COM108-UDPM-classroom". Below the input field is a note: "Using your course name and section can help students identify your classroom." At the bottom right is a green button labeled "Create classroom".



Student roster

Danh sách định danh sinh viên
Mỗi định danh viết trên từng dòng

Ví dụ định danh : có thể là

- Mã sinh viên
hoặc
- Email sinh viên

Tính năng bổ sung

- Đồng bộ từ Google classroom
- Upload từ file CSV / TXT



Assignments (các bài Lab / Assignment)

Tạo / New Assignment
Giảng viên tạo Assignment

+ New assignment

The screenshot shows the GitHub Classroom dashboard for the classroom 'COM108-UDPM-classroom-class-SU25-01'. The 'Assignments' tab is selected, indicated by a red circle with the number 1. A green button labeled '+ New assignment' is visible at the top right. Below the tabs, there is a message: 'Get verified to get Codespaces Education benefit.' with a 'Get verified' button. The main content area displays a single 'Starter assignment' listed under 'Active' assignments. A yellow callout box with a black border contains the text: 'GitHub classroom có sẵn một assignment mẫu, gọi là **Starter Assignment**'.

Assignments (các bài Lab / Assignment)



+ New assignment

1 Nhập tên bài Assignment

2 Thời hạn thực hiện

Deadline

mm/dd/yyyy --::--

August 2025 ▾ ↑ ↓

11	00	PM
12	01	AM
01	02	
02	03	
03	04	
04	05	
05	06	

Su Mo Tu We Th Fr Sa

27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

Clear Today

3 Individual or group assignment

Individual assignment

Individual assignment

Group assignment

Let's set up the basics for your assignment.

Assignment creation steps

- 1 Assignment basics
- 2 Starter code and environment
- 3 Grading and feedback
- 4 Deadline

Assignment title *

Student assignment repositories will have the prefix: lab2-bai-1

Deadline

mm/dd/yyyy --::--

(Optional) If left blank, there will be no deadline. Date format: 12/31/2022, 11:59 PM

Individual or group assignment

Individual assignment

Cancel Continue

Assignments (các bài Lab / Assignment)



+ New assignment

Starter code and environment

- 5 Tìm và chọn repository
Ví dụ
COM108-LAB2-Bai1

- 6 Continue

Add your starter code and choose an optional online IDE.

Assignment creation steps

- ✓ Assignment basics
- Starter code and environment**
- Grading and feedback

Add a repository to give students starter code

Your assignment will be created with empty student repositories if you don't add starter code.

The starter code repository must be a template; a copy will be created in your organization.

Accepted assignments will be forks of the copy created in your organization. If you make changes to the copy created in your organization, you can press the "Sync assignments" button on the assignment dashboard to open Pull Requests in all student assignment repositories with the changes.

Find a GitHub repository

Q COM108-LAB2

vnTranTuan/COM108-LAB2-Bai1
Môn học COM108, Repository của LAB2, bài 1

vnTranTuan/COM108-LAB2-Bai1-DAP-AN
Môn học COM108, LAB2, Bài 1

5

Find a GitHub repository

Q COM108-LAB2

vnTranTuan/COM108-LAB2-Bai1
Môn học COM108, Repository của LAB2, bài 1

vnTranTuan/COM108-LAB2-Bai1-DAP-AN
Môn học COM108, LAB2, Bài 1

5

6 Continue

GitHub repository đã tạo ở bước trước



Assignments (các bài Lab / Assignment)

+ New assignment

Starter code and environment

- 5 Tìm và chọn repository
Ví dụ
[COM108-LAB2-Bai1](#)

Find a GitHub repository

[vnTranTuan/COM108-LAB2-Bai1](#)
Môn học COM108, Repository của LAB2, bài 1

[vnTranTuan/COM108-LAB2-Bai1-DAP-AN](#)
Môn học COM108, LAB2, Bài 1

Có thể tạo sẵn các repository (xem như đề bài)

- Theo mức độ dễ đến khó
- Hoặc, theo mục đích khác của giảng viên

Ví dụ

[COM108-LAB2-Bai1-N1](#)

[COM108-LAB2-Bai1-N2](#)

[COM108-LAB2-Bai1-N3](#)

Assignments (các bài Lab / Assignment)



+ New assignment

Starter code and environment

⚠ Starter code repository must be a template so that a copy may be made in your organization

Add your starter code and choose an optional online IDE.

Assignment creation

- ✓ Assignment basics
- Starter code and environment
- Grading and feedback

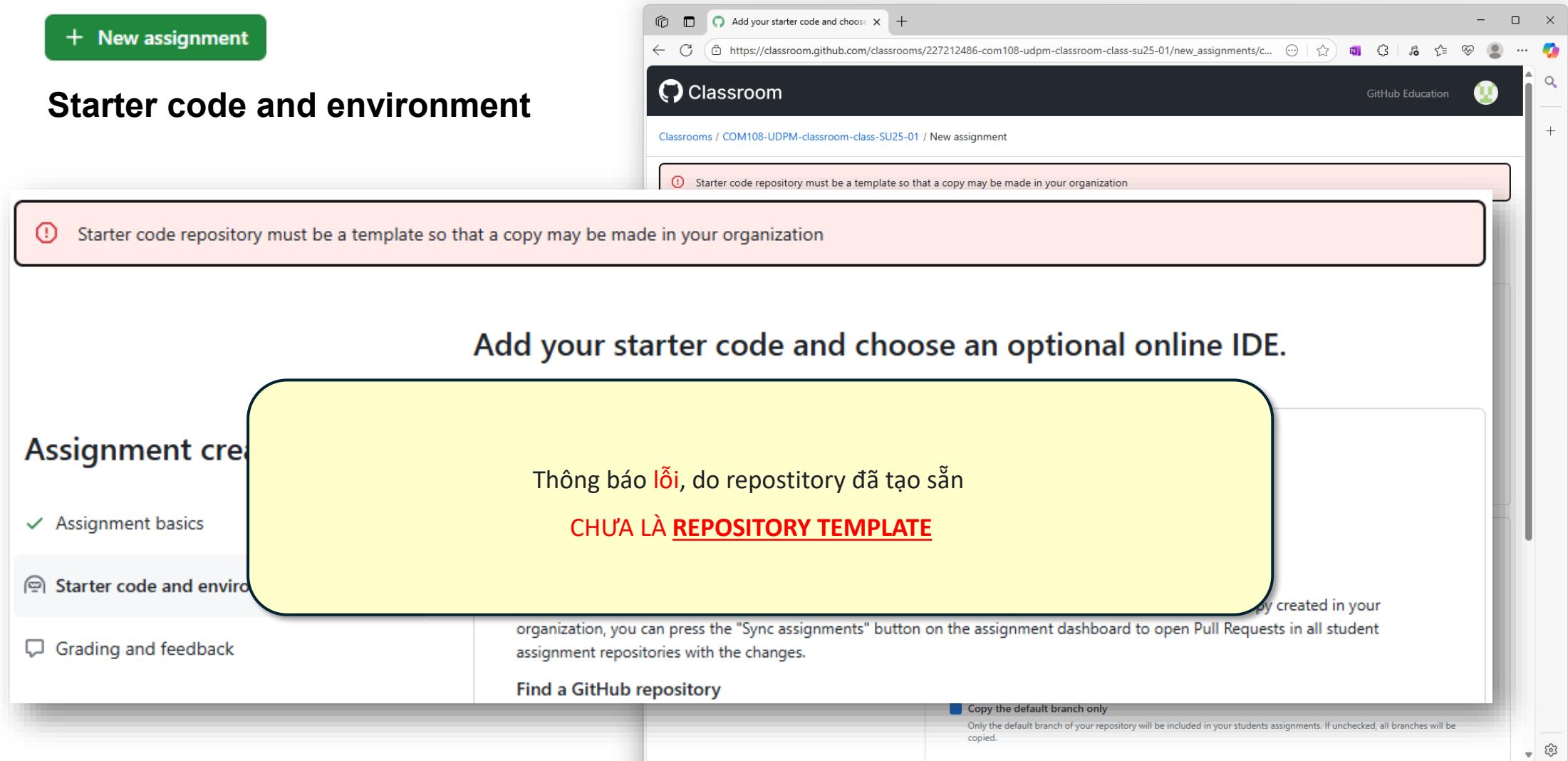
Thông báo lỗi, do repository đã tạo sẵn

CHƯA LÀ REPOSITORY TEMPLATE

If you created in your organization, you can press the "Sync assignments" button on the assignment dashboard to open Pull Requests in all student assignment repositories with the changes.

Find a GitHub repository

Copy the default branch only
Only the default branch of your repository will be included in your students assignments. If unchecked, all branches will be copied.





Ví dụ - Setting GitHub Repository Template

The screenshot shows two browser windows side-by-side. The left window displays the main repository page for 'vnTranTuan/COM108-LAB2-Bai1'. The right window shows the 'General' settings page for the same repository, specifically focusing on the 'Template repository' section.

A: A red circle highlights the 'Settings' tab in the top navigation bar of the right-hand window.

B: A red circle highlights the 'Template repository' checkbox in the 'General' settings. The checkbox is checked, and a tooltip explains: "Template repositories let users generate new repositories with the same directory structure and files. [Learn more about template repositories](#)".

General Settings Overview:

- Repository name:** COM108-LAB2-Bai1
- Template repository:** Checked (highlighted by a yellow box)
- Description:** "Template repositories let users generate new repositories with the same directory structure and files. [Learn more about template repositories](#)".
- Require contributors to sign off on web-based commits:** Unchecked
- Default branch:** main
- Social preview:** Placeholder for an image to customize the repository's social media preview.

Left Window Content Summary:

- Code Tab:** Shows a commit from 'vnTranTuan' titled 'LAB2, Bài 1 Hướng dẫn và Starter Code' made 2 hours ago.
- Issues Tab:** Shows a file named 'README.md' with a status of 'LAB2, Bài 1 Hướng dẫn và Start...' and '2 hours' ago.
- Pull requests Tab:** Shows a file named 'bai1.c' with a status of 'LAB2, Bài 1 Hướng dẫn và Start...' and '2 hours' ago.
- README File Content:**

YÊU CẦU 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

 - Khai báo các biến số A, B và các kết quả Tổng, Hiệu của 2 số
 - Dùng lệnh scanf để nhập từ bàn phím
 - Dùng lệnh printf để hiển thị nội dung ra màn hình



Ví dụ - Setting GitHub Repository Template

The image shows two side-by-side GitHub repository pages for 'vnTranTuan / COM108-LAB2-Bai1'.
The left window shows the main repository page, labeled 'Repository'. It contains a README file with instructions for a simple arithmetic program.
The right window shows the repository after setting it as a template, labeled 'REPOSITORY TEMPLATE'. The 'About' section now includes the text: 'Môn học COM108, Repository của LAB2, bài 1'. Both windows show the same commit history and file structure.

vnTranTuan / COM108-LAB2-Bai1

COM108-LAB2-Bai1 Public

vnTranTuan LAB2, Bài 1 Hướng dẫn và Starter Code d6ae08a · 2 hours ago

README.md LAB2, Bài 1 Hướng dẫn và Starter Code 2 hours ago

bai1.c LAB2, Bài 1 Hướng dẫn và Starter Code 2 hours ago

README

YÊU CẦU 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

Repository

vnTranTuan / COM108-LAB2-Bai1

COM108-LAB2-Bai1 Public template

vnTranTuan LAB2, Bài 1 Hướng dẫn và Starter Code d6ae08a · 2 hours ago 1 Commit

README.md LAB2, Bài 1 Hướng dẫn và Starter Code 2 hours ago

bai1.c LAB2, Bài 1 Hướng dẫn và Starter Code 2 hours ago

README

YÊU CẦU 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

REPOSITORY TEMPLATE

About

Môn học COM108, Repository của LAB2, bài 1

Readme

Activity

0 stars

0 watching

0 forks

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

Languages

C 100.0%

Assignments (các bài Lab / Assignment)



+ New assignment

Grading and feedback

7 Enable feedback pull request

Cho phép tự động mở pull request khi sinh viên tham gia bài, và chúng ta có thể feedback trực tiếp vào từng dòng code

8

Create assignment

Set up autograding and feedback

Classroom

Classrooms / COM108-UDPM-classroom-class-SU25-01 / New assignment

Assignment basics

Starter code and environment

Grading and feedback

Set up autograding, protected paths, and feedback.

Add autograding tests

Autograding tests help provide feedback for students immediately upon submission using GitHub Actions. Add a test to enable autograding.

Add test

Enable feedback pull requests

A pull request will automatically be created on all student repository submissions. Pull requests allow you to answer questions and provide feedback.

Back

Create assignment

Assignments (các bài Lab / Assignment)



+ New assignment

Assignment has been created

9 Copy & Share assignment link

Chia sẻ assignment link

The screenshot shows a browser window titled "LAB2, Bai 1". The address bar contains the URL <https://classroom.github.com/classrooms/227212486-com108-udpm-classroom-class-su25-01/assignments/lab2-bai-1>. The page header says "Classroom" and "GitHub Education". A green notification bar at the top states "LAB2, Bai 1" has been created! Below the notification, the assignment details are shown: "LAB2, Bai 1", "Starter code from COM108-UDPM/com108-udpm-classroom-class-su25-01-lab2-bai-1-COM108-LAB2-Bai1", "Individual assignment", "Due Sep 30, 2025, 16:00 UTC", and "Active". The assignment URL is <https://classroom.github.com/a/xc20Phj9>. A yellow arrow points from the "Assignment has been created" text in the previous slide to the green notification bar. Another yellow arrow points from the number 9 in the orange circle to the assignment URL.

Share the invitation link with your students so they can accept the assignment.

<https://classroom.github.com/a/xc20Phj9>

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 Repostiory
- ✓ - Create classroom (Tạo lớp)
- ✓ - Create assignment, starter code

Nội dung

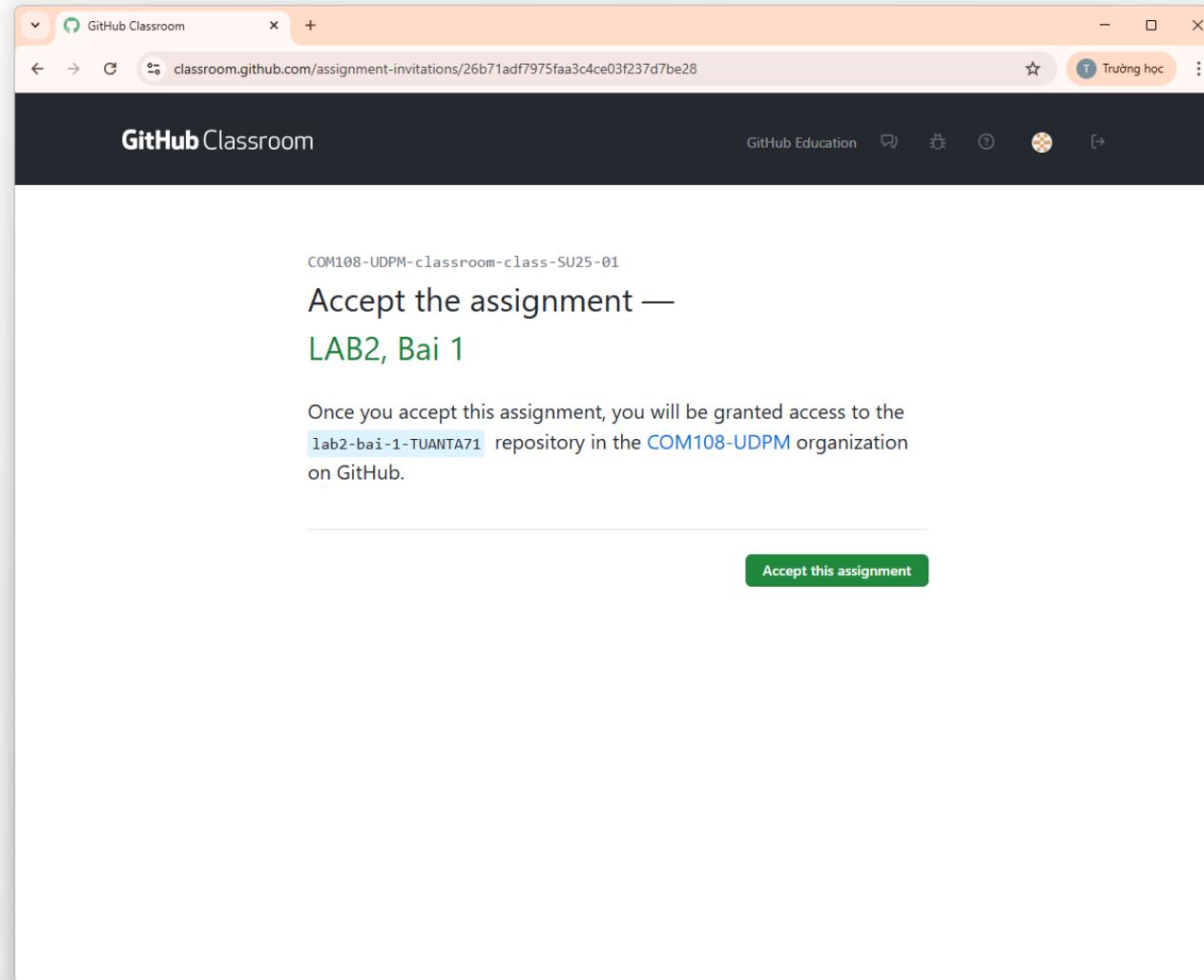
Student work

Git basic

Join class – Do homework – Submit

C

Student work – Join & Accept assignment



Accept this assignment

Truy cập assignment link và
tham gia bài assignment

Student work – Join & Accept assignment

The screenshot shows a browser window for GitHub Classroom at the URL `classroom.github.com/assignment-invitations/26b71adf7975faa3c4ce03f237d7be28/status`. The page displays a message "You're ready to go!" and "You accepted the assignment, LAB2, Bai 1.". It also shows that an assignment repository has been created with the URL `https://github.com/COM108-UDPM/lab2-bai-1-TUANT71`. A red arrow points from this URL to a yellow callout box containing the template `https://github.com/<repository assignment>-<student ID>`. In the top right corner of the browser window, there is a green button labeled "Accept this assignment".

Accept this assignment

Hai thông tin đầu tiên

1. Url của repository assignment
2. Thời hạn của assignment

`https://github.com/<repository assignment>-<student ID>`

Repository assignment của từng sinh viên sẽ được tự động tạo ngay sau khi accept assignment



Assignment management

Assignment management

Chức năng quản lý cung cấp nhiều thông tin trong đó có những nội dung chính như :

1. Danh sách sinh viên
2. Tình trạng tham gia assignment
3. Tình trạng nộp bài assignment

The screenshot shows the GitHub Classroom interface for an assignment titled "LAB2, Bai 1". The assignment is set to be due on Sep 30, 2025, at 16:00 UTC. It is currently active. The assignment details section shows that there are 2 students total, with 1 student accepted and 1 submission received. The student "TuanTA71" is listed as having not submitted the assignment. A "Repository" link is also visible.

Assignment Details	
Students total	2
2 Rostered	0 Added students
Accepted assignments	1
1 Students	
Assignment submissions	1
0 Submitted	1 Not submitted

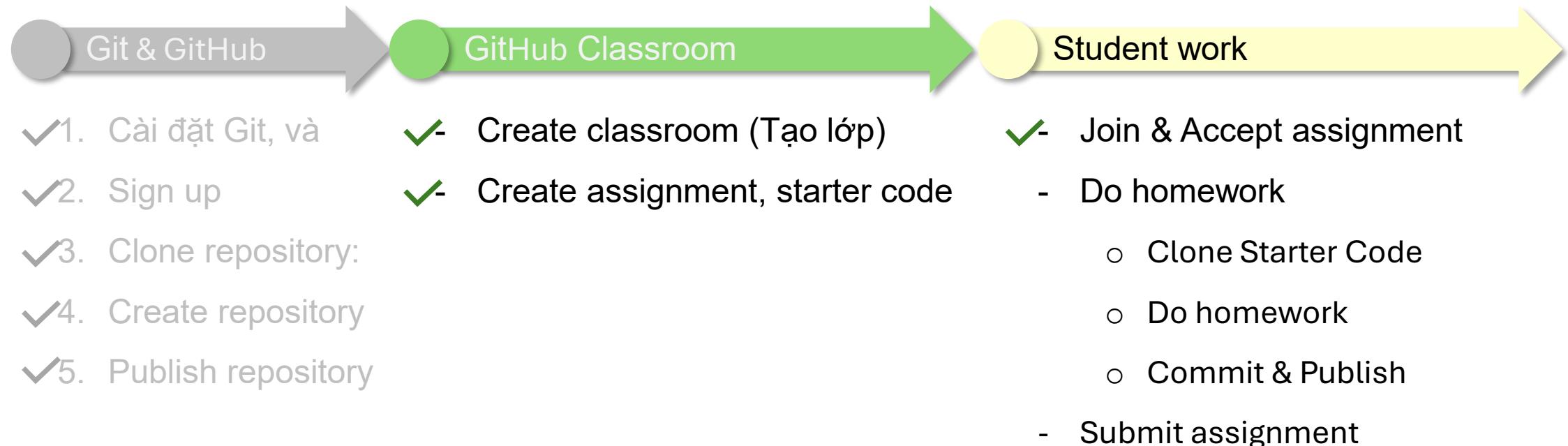
Filters: Search for an assignment, Filter by unlinked accounts, Filter by accepted, Filter by passing, Sort

Classroom roster:

User	Status
TuanTA71	Not submitted

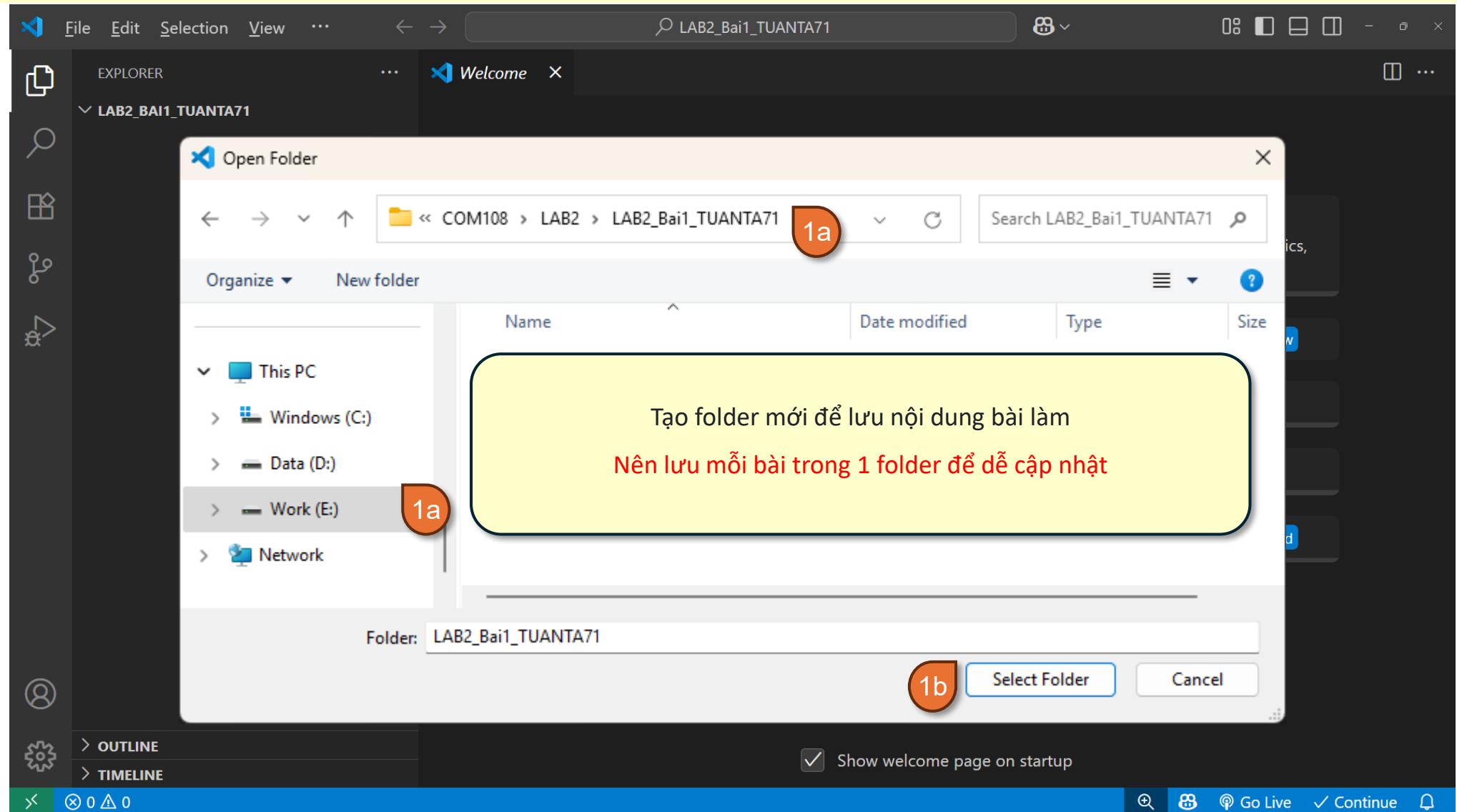
Repository

Tóm tắt





Student work – Create project folder





Student work – Clone Starter code

The screenshot shows the Visual Studio Code interface. The top bar has the URL <https://github.com/COM108-UDPM/lab2-bai-1-TUANTA71>. A callout bubble labeled "2b" points to this URL. Below the URL bar, a context menu is open with the option "Clone from GitHub" highlighted by a yellow arrow. The bottom part of the screenshot shows a callout bubble labeled "2a" pointing to the "Clone Git Repository..." option in the same context menu. The callout bubble contains the following text:

Clone Git Repository
Với URL của Repository Assignment
[https://github.com/<**repository assignment**>-<**student ID**>](https://github.com/<repository assignment>-<student ID>)



Student work – Clone Starter code

File Edit Selection View ... ← → ⌂ lab2-bai-1-TUANTA71 ⌂ Preview README.md X ⌂ Review the assignment due date

EXPLORER LAB2-BAI-1-TUANTA71 bai1.c > ... README.md M

```

C bai1.c      ...
C bai1.c > ...
1 #include <stdio.h>
2
3 int main() {
4     // Chao mung ban den voi FPOLY
5     // Mon hoc COM108 - Nhập môn lập trình
6     // LAB2 - bai1
7     printf("Hello, FPOLY!\n");
8     printf("COM108, LAB2 - bai1\n");
9
10    // Các lệnh nhập vào số A
11
12
13
14
15    // Các lệnh nhập vào số B
16
17
18
19
20    // Các lệnh tính tổng các số A, và B
21
22
23
24
25
26 }
```

Nội dung của bài assignment. Đây chính là nội dung Giảng viên đã chuẩn bị trước

YÊU CẦU

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



Student work – Do homework

File Edit Selection View Go Run ... **lab2-bai-1-TUANTA71** **...**

RUN AND DEBUG **...**

RUN

Run and Debug

To customize Run and Debug create a launch.json file.

Debug using a terminal command or in an interactive chat.

To learn more about launch.json, see Configuring C/C++ debugging.

C bai1.c M X

C bai1.c > main()

```

1 #include <stdio.h>
2
3 int main() {
4     // Chao mung ban den voi FPOLY
5     // Mon hoc COM108 - Nhap mon lap trinh
6     // LAB2 - bai1
7     printf("Hello, FPOLY!\n");
8     printf("COM108, LAB2 - bai1\n");
9
10    // Cac lenh nhap vao so A
11    printf("Moi ban nhap vao so A: ");
12    int soA;
13    scanf("%d", &soA);
14
15    // Cac lenh nhap vao so B
16    printf("Moi ban nhap vao so B: ");
17    int soB;
18    scanf("%d", &soB);
19
20    // Cac lenh tinh tong cac so A, B
21    int tong = soA + soB;
22    printf("Tong hai so A va B la: %d", tong);
23
24    return 0;
25 }
```

PROBLEMS OUTPUT TERMINAL PORTS AZURE DEBUG CONSOLE

Hello, FPOLY!
COM108, LAB2 - bai1
Moi ban nhap vao so A: 3
Moi ban nhap vao so B: 2
Tong hai so A va B la: 5
PS E:\WorkFolder\2025\COM108\LAB2\LAB2_Bai1_TUANTA71\lab2-bai-1-TUANTA71>

Review the assignment due date

YÊU CẦU

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

Nội dung bài làm

Và

Kết quả chạy chương trình

github-classroom[bot] (16 hours ago)

Ln 25, Col 2 Spaces: 4 UTF-8 CRLF { } C ⚙️ Go Live Win32 ✓ Continue 🔍



Student work – Submit assignment

3a Click the icon to open the commit dialog.

3b Enter the commit message: **Nộp bài LAB2, bài 1, TUANTA71**.

3c Click the Commit button.

The code in bai1.c is:

```

1 #include <stdio.h>
2
3 int main() {
4     // Chao mung ban den voi FPOLY
5     // Mon hoc COM108 - Nhap mon lap trinh
6     // LAB2 - bai1
7     printf("Hello, FPOLY!\n");
8     printf("COM108, LAB2 - bai1\n");
9
10    // Cac lenh nhap vao so A
11    printf("Moi ban nhap vao so A: ");
12    int soA;
13    scanf("%d", &soA);
14
15    // Cac lenh nhap vao so B
16    printf("Moi ban nhap vao so B: ");
17    int soB;
18    scanf("%d", &soB);
19
20    // Cac lenh tinh tong cac so A, B
21    int tong = soA + soB;
22    printf("Tong hai so A va B la: %d",
23
24    return 0;
25 }

```

The terminal output shows the program running and accepting user input:

```

Hello, FPOLY!
COM108, LAB2 - bai1
Moi ban nhap vao so A: 3
Moi ban nhap vao so B: 2
Tong hai so A va B la: 5

```

The right side of the screen displays assignment details:

- Review the assignment due date**
- YÊU CẦU**
- 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

A callout box at the bottom right says: **Nhập nội dung “Commit” trước khi nộp bài** (Enter the commit message before submitting the assignment).

Ví dụ: Nộp bài LAB2, bài 1, TUANTA71



Student work – Submit assignment

Push

4

Push / Submit để nộp bài assignment

YÊU CẦU
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

```

1 #include <stdio.h>
2
3 int main() {
4     // Chao mung ban den voi FPOLY
5     // Mon hoc COM108 - Nhap mon lap trinh
6     // LAB2 - bai1
7     printf("Hello, FPOLY!\n");
8     printf("COM108, LAB2 - bai1\n");
9
10    // Cac lenh nhap vao so A
11    printf("Moi ban nhap vao so A: ");
12    int soA;
13    scanf("%d", &soA);
14
15    // Cac lenh nhap vao so B
16    printf("Moi ban nhap vao so B: ");
17    int soB;
18    scanf("%d", &soB);
19
20    // Cac lenh tinh tong cac so A, B
21    int tong = soA + soB;
22    printf("Tong hai so A va B la: %d",
23
24    return 0;
25 }
```



Assignment management

Assignment management

Giảng viên quan sát được

1. Trạng thái nộp bài của sinh viên

Submitted

Not submitted

Classroom roster



TuanTA71
@TUANTA71

Submitted

[Latest commit 10 minutes ago](#)

[-o- 1 commit](#)

Classroom Classroom / COM108-UDPM-classroom-class-SU25-01 / LAB2, Bai 1

LAB2, Bai 1
Starter code from COM108-UDPM.com108-udpm-classroom-class-su25-01-lab2-bai-1-COM108-LAB2-Bai1

Individual assignment Due Sep 30, 2025, 16:00 UTC Active
[Sync assignments](#) <https://classroom.github.com/a/XC2OPhj9> [Edit](#) [Download](#)

Assignment Details

Students total 6	Accepted assignments 4	Assignment submissions 4
5 Rostered	1 Added students	3 Submitted 1 Not submitted
4 Students		

Filters [Search for an assignment](#) Filter by unlinked accounts Filter by accepted Filter by passing Sort

Classroom roster

huytv2211 Submitted @huytv2211 Latest commit 2 days ago -o- 1 commit	Repository
locthan2002 Not submitted Link to student -o- 0 commits	Repository
Tqbinh1268 Submitted @Tqbinh1268 Latest commit 2 days ago -o- 1 commit	Repository
TuanTA71 Submitted @TUANTA71 Latest commit 3 weeks ago -o- 1 commit	Repository



Assignment management

Assignment management

Giảng viên quan sát được
2. Nội dung đã “commit”

The screenshot shows a GitHub repository page for 'LAB2, Bài 1'. The 'Commits' tab is selected, indicated by a yellow arrow. A yellow box highlights the list of commits. The commits are:

- Nộp bài LAB2, bài 1, TUANTA71 (vnTranTuan committed 20 minutes ago) - SHA: f318def
- add deadline (github-classroom[bot] authored 16 hours ago) - SHA: a7da990
- Initial commit (github-classroom[bot] authored 16 hours ago) - SHA: 6e203b5



Assignment management

Assignment management

Giảng viên quan sát được

3. Chi tiết bài làm trên từng thay đổi

The screenshot shows a browser window displaying a GitHub commit page for a project named "LAB2, Bài 1". The URL is <https://github.com/COM108-UDPM/lab2-bai-1-TUANTA71/commit/f318def3edd2ff5e04c3d19a07b51bf2a512f0fb>. The commit message is "Nộp bài LAB2, bài 1, TUANTA71". The commit summary indicates "4 files changed +41 -9 lines changed". The main content of the screenshot is the diff view of the "bai1.c" file. A yellow box highlights the diff view, and a yellow arrow points from the text "Chi tiết bài làm trên từng thay đổi" (Details of the work done on each change) to this highlighted area. The code in the diff view shows the following changes:

```
@@ -8,18 +8,18 @@ int main() {
8   8     printf("COM108, LAB2 - bai1\n");
9   9
10 10    // Các lệnh nhập vào số A
11  -
12  -
13  -
14 11    + printf("Mời bạn nhập vào số A: ");
15 12    + int soA;
16 13    + scanf("%d", &soA);
17  -
18  -
19  -
20 20    // Các lệnh nhập vào số B
21 16    + printf("Mời bạn nhập vào số B: ");
22 17    + int soB;
23 18    + scanf("%d", &soB);
24 21    // Các lệnh tính tổng các số A, và B
25 22    + int tong = soA + soB;
26 23    + printf("Tổng hai số A và B là: %d", tong);
27 24
28 25    return 0;
29 26 }
```



Assignment management

Assignment management

Giảng viên “feedback / comment”

4. Nội dung chi tiết của bài làm

The screenshot shows a GitHub commit page for a repository named 'LAB2, Bài 1'. The commit message is 'Nộp bài LAB2, bài 1, TUANTTA71'. The commit details show '4 files changed' with '+41 -9' lines changed. The file 'bai1.c' is highlighted with a yellow box and a yellow arrow pointing to a comment modal. The modal is titled 'Add a comment on line R23' and contains the text: 'Em làm tốt, tuy nhiên còn thiếu yêu cầu "tính hiệu số của 2 số". Em bổ sung thêm nội dung còn thiếu nhé.' The modal has 'Comment' and 'Cancel' buttons. The code in 'bai1.c' includes comments for calculating the sum of two numbers and printing the result.

```
16 19
17 -
18 -
19 -
20 - // Cac lenh tinh tong cac so A, va B
20 + // Cac lenh tinh tong cac so A, B
21 + int tong = soA + soB;
22 + printf("Tong hai so A va B la: %d", tong);

21 23
22 -
23 -
24 24     return 0;
25 25 }
```

Comments 0 Lock conversation



Assignment management

Assignment management

Giảng viên “**feedback / comment**”
5. Tổng thể nội dung của bài làm

The screenshot shows a GitHub commit page for a lab assignment. The commit message is "Nộp bài LAB2, bài 1, TUANTTA71". The commit details show 4 files changed (+41 -9 lines changed) with a focus on the file `bai1.c`. A comment from user `vnTranTuan` is displayed, suggesting improvements to the code. A yellow box highlights the comment section, and a yellow arrow points to the "Comment" button at the bottom right of the comment input field.

LAB2, Bài 1

Nộp bài LAB2, bài 1, TUANTTA71

https://github.com/COM108-UDPM/lab2-bai-1-TUANTTA71/commit/f318def3edd2ff5e04c3d19a07b51bf2a512f0fb#r1...

4 files changed +41 -9 lines changed

`bai1.c`

vnTranTuan 10 minutes ago

Em làm tốt, tuy nhiên còn thiếu yêu cầu "tính hiệu số của 2 số".
Em bổ sung thêm nội dung còn thiếu nhé.

`bai1.exe`

Binary file not shown.

Comments 0

Để nâng cao hơn nội dung của bài làm.
Em có thể mở rộng chương trình hơn để có thể tính tổng của 3 số.
Chúc em thành công

Write Preview

Comment

Subscribe You're not receiving notifications from this thread.

Student work – View feedback / comment

The screenshot shows a GitHub Classroom interface with a yellow callout box highlighting the feedback section.

GitHub Classroom - History for bai1.c - COM108-UDPM

Commits

History for lab2-bai-1-TUANTA71 / bai1.c on main

Commits on Aug 25, 2025

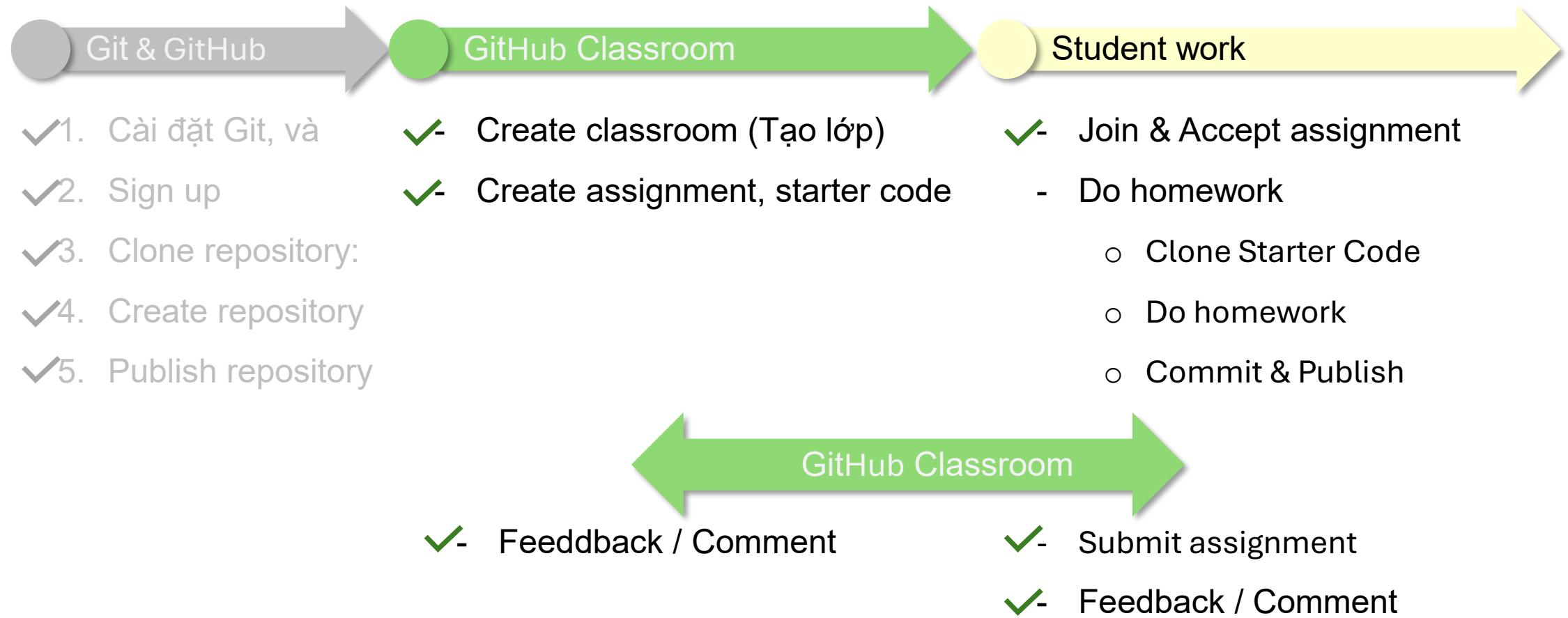
- Nộp bài LAB2, bài 1, TUANTA71 (vnTranTuan committed 3 hours ago)
- Initial commit (github-classroom[bot] authored 19 hours ago)

Sinh viên xem nội dung “feedback / comment”

Feedback / Comment Section:

- File bai1.c:** 4 files changed, +41 -9 lines changed.
 - vnTranTuan 22 minutes ago:
 - Em làm tốt, tuy nhiên còn thiếu yêu cầu “tính hiệu số của 2 số”.
Em bổ sung thêm nội dung còn thiếu nhé.
 - (Smiley face icon)
 - Write a reply
- File bai1.exe:** Binary file not shown.
- Comments:** 1
 - vnTranTuan 11 minutes ago:
 - Để nâng cao hơn nội dung của bài làm.
Em có thể mở rộng chương trình hơn để có thể tính tổng của 3 số.
Chúc em thành công!
 - (Smiley face icon)
 - Comment

Tóm tắt



Tham khảo

Cài đặt C Programming with VS Code

1. Visual studio code
2. Extension : [C/C++ for Visual Studio Code](#)
3. Compiler : [Using GCC with MinGW](#)
4. [Using Git in Apache NetBeans](#)

HẾT PHẦN 1



TRÂN TRỌNG CẢM ƠN

09-2025
Nhóm thực hiện
Thân Hoàng Lộc
Trần Quang Bình
Trần Văn Huy
Trần Anh Tuấn