

CSI2109

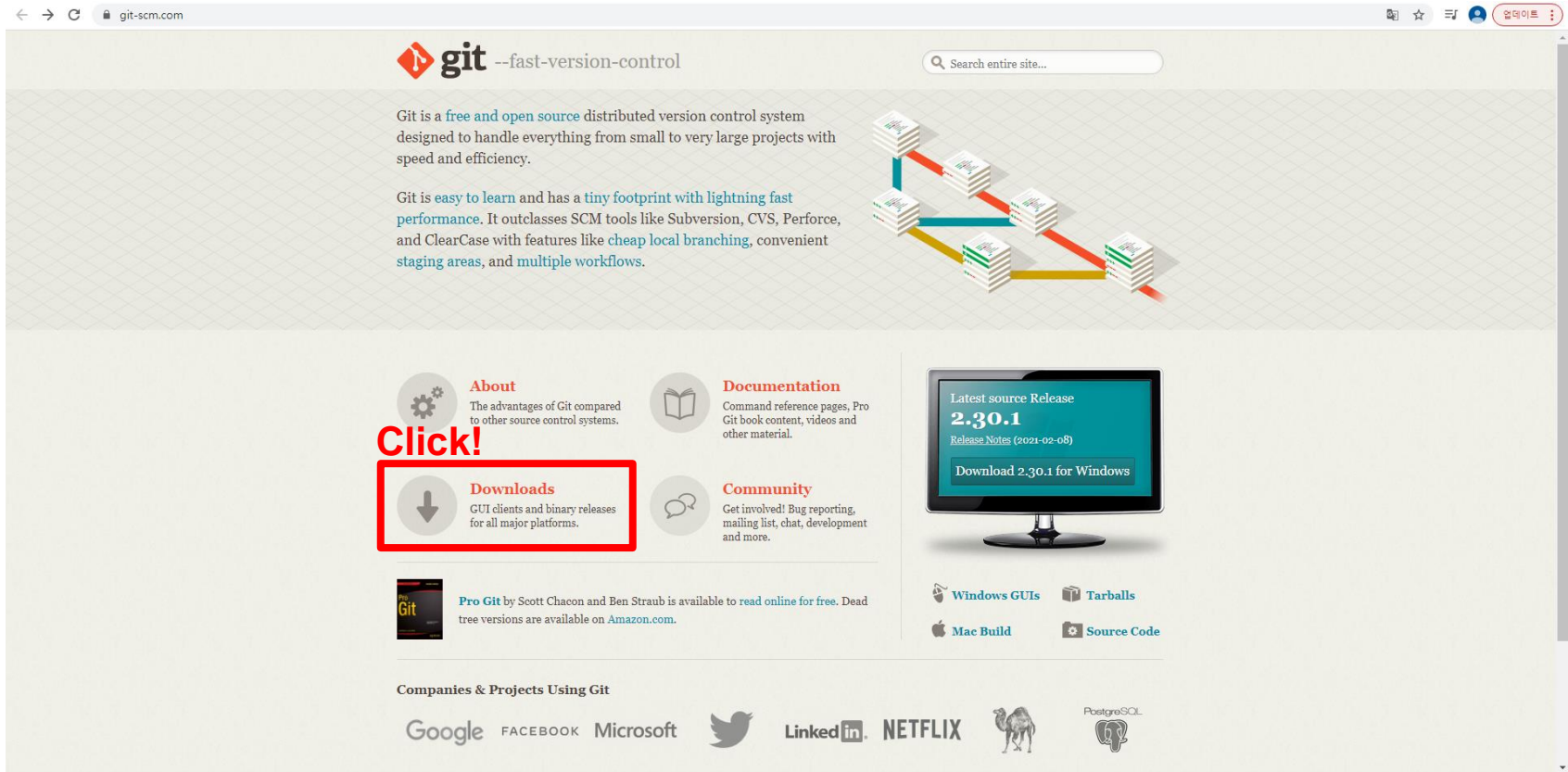
2022.03.14



- 버전 관리 시스템 소프트웨어
- 소스코드를 수정하고 버전으로 저장
- 문제가 발생했을 때 저장해둔 버전으로 돌아갈 수 있음

Git – Install

- <https://git-scm.com/> 접속



Git – Install

The screenshot shows the Git website homepage with the tagline "--everything-is-local". The left sidebar contains links for "About", "Documentation", "Downloads", "GUI Clients", "Logos", and "Community". The "Downloads" link is highlighted with a red box and a red "Click!" label. The main content area features a "Download for Windows" button on a monitor graphic, also highlighted with a red box and a red "Click!" label. Below this, there are sections for "GUI Clients", "Logos", and "Git via Git".

git --everything-is-local

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

Click!

macOS Windows Linux/Unix

Latest source Release
2.35.1
Release Notes (2022-01-29)
Download for Windows

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 →](#)

Git via Git

If you already have Git installed, you can get the latest development version via Git itself:

```
git clone https://github.com/git/git
```

You can also always browse the current contents of the git repository using the [web interface](#).

</> About this site
Patches, suggestions, and comments are welcome.

Git is a member of Software Freedom Conservancy

The screenshot shows the "Download for Windows" page on the Git website. The "Click here to download" link is highlighted with a red box and a red "Click!" label. The page provides instructions for installing Git on Windows, including downloading the standalone installer, using winget, and cloning the repository. It also includes links to the Pro Git book, GUI tools, and the Git community.

git --distributed-is-the-new-centralized

Search entire site...

About
Documentation
Downloads
GUI Clients
Logos
Community

Download for Windows

Click!

[Click here to download](#) the latest (2.35.1) 64-bit version of Git for Windows. This is the most recent maintained build. It is released about 1 month ago, on 2022-02-01.

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 --source winget
```

The current source code release is version **2.35.1**. If you want the newer version, you can build it from the [source code](#).

Now What?

Now that you have downloaded Git, it's time to start using it.

Read the Book

Dive into the Pro Git book and learn at your own pace.

Download a GUI

Several free and commercial GUI tools are available for the Windows platform.

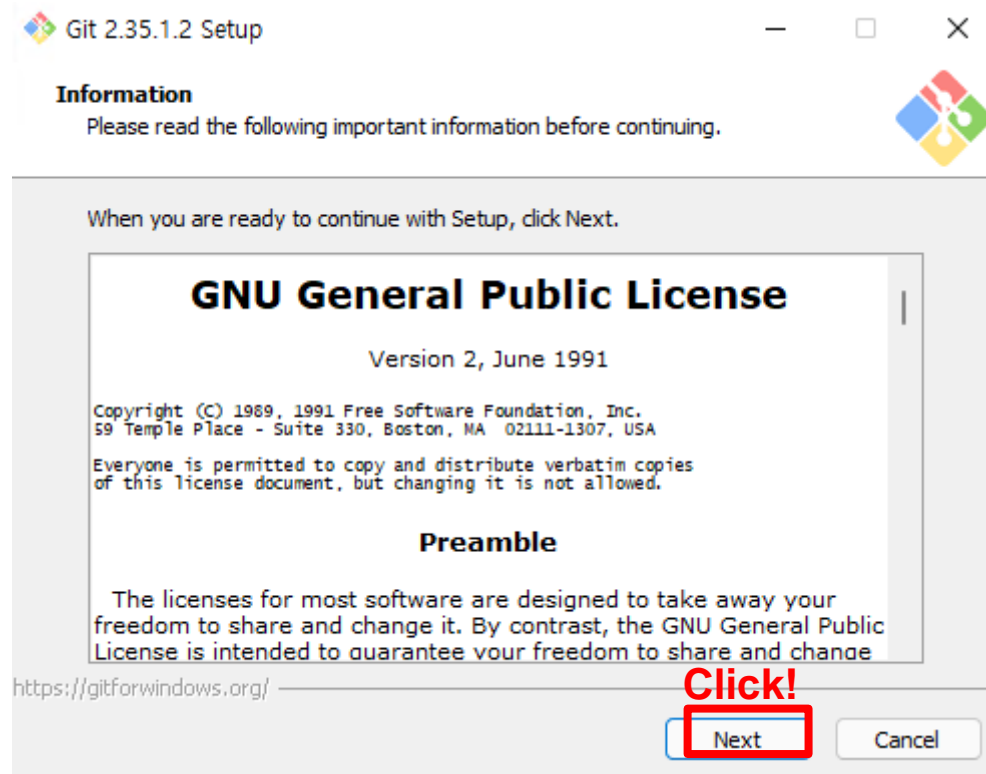
Get Involved

A knowledgeable Git community is available to answer your questions.

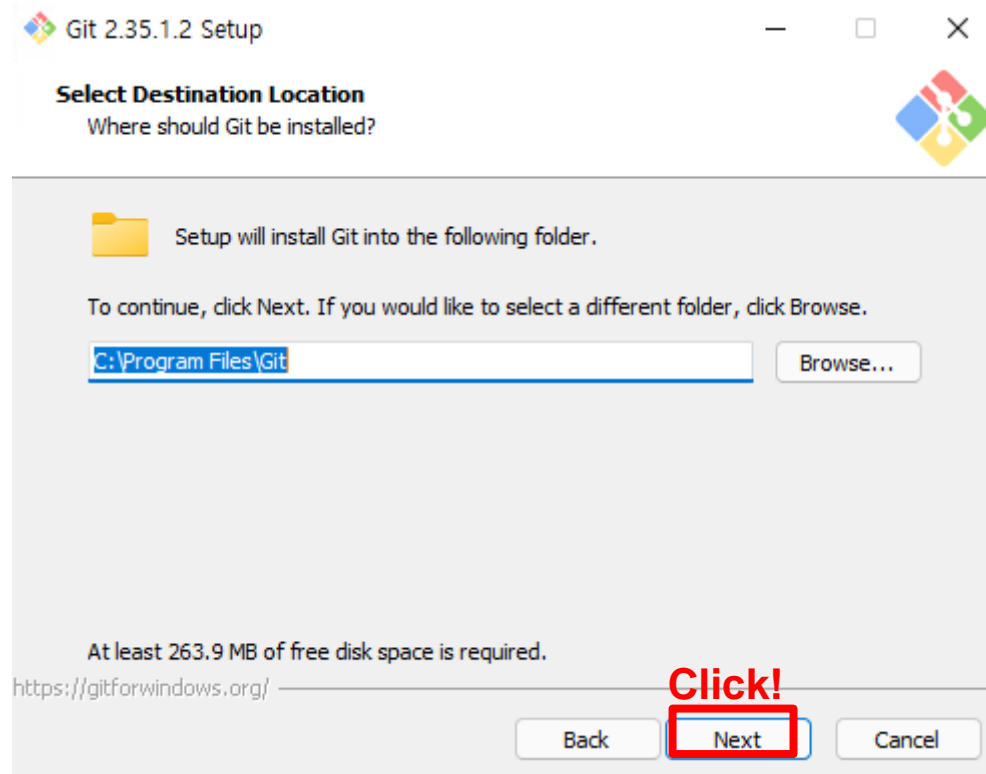
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Git – Install

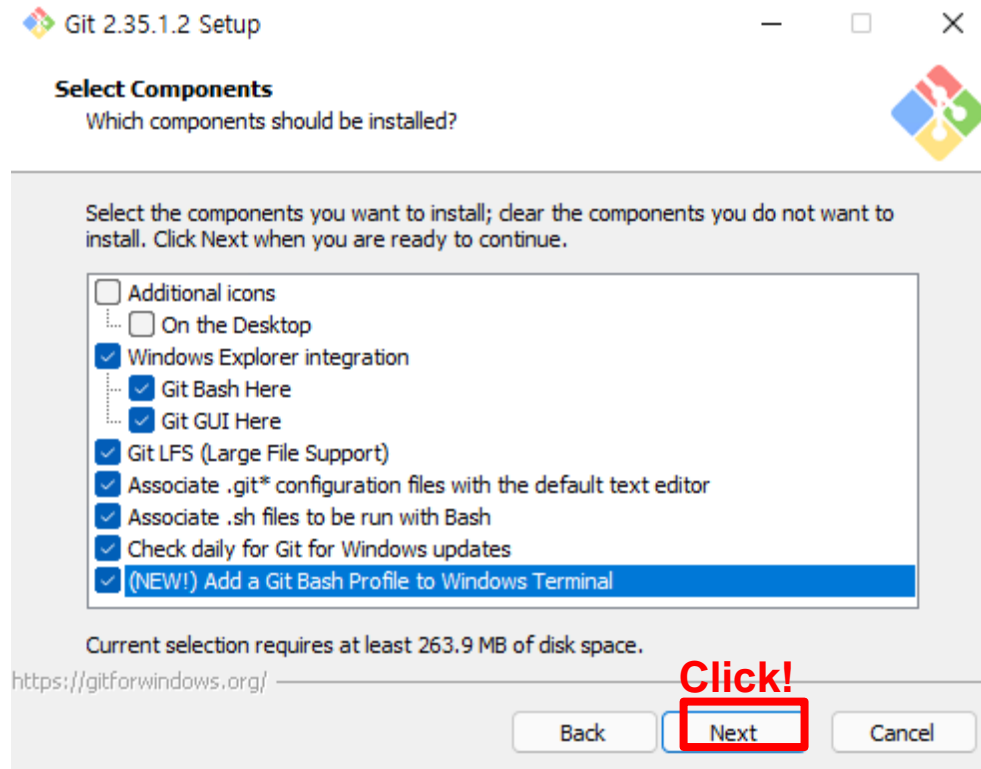


Git – Install

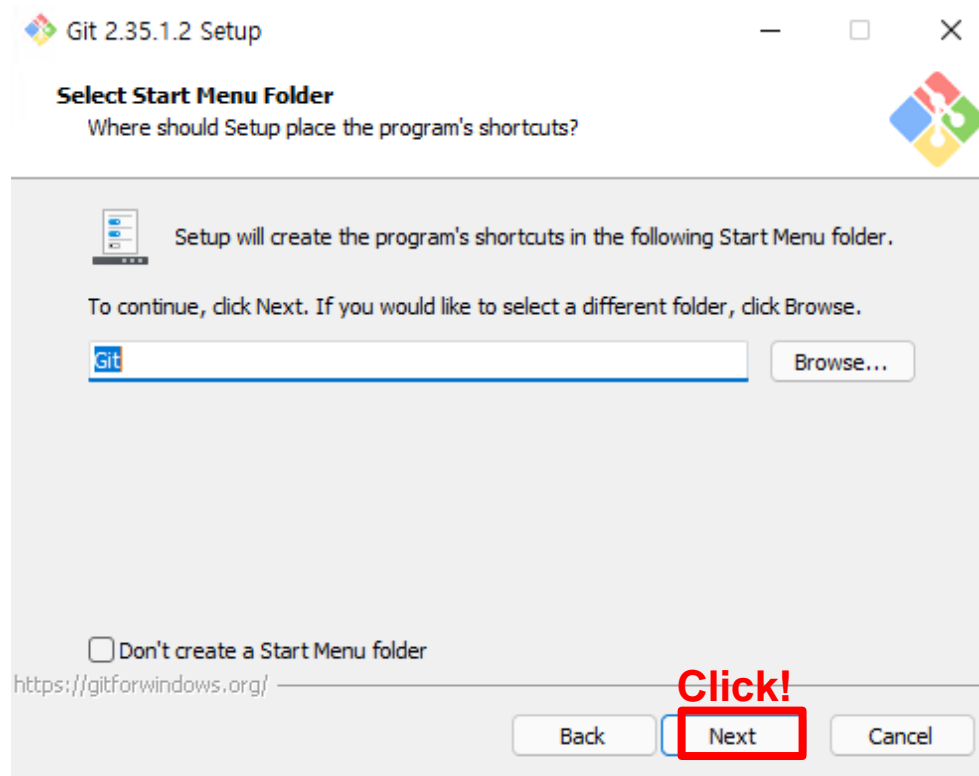


Git – Install

- 다음과 같이 설정 후 Next를 눌러줍니다.

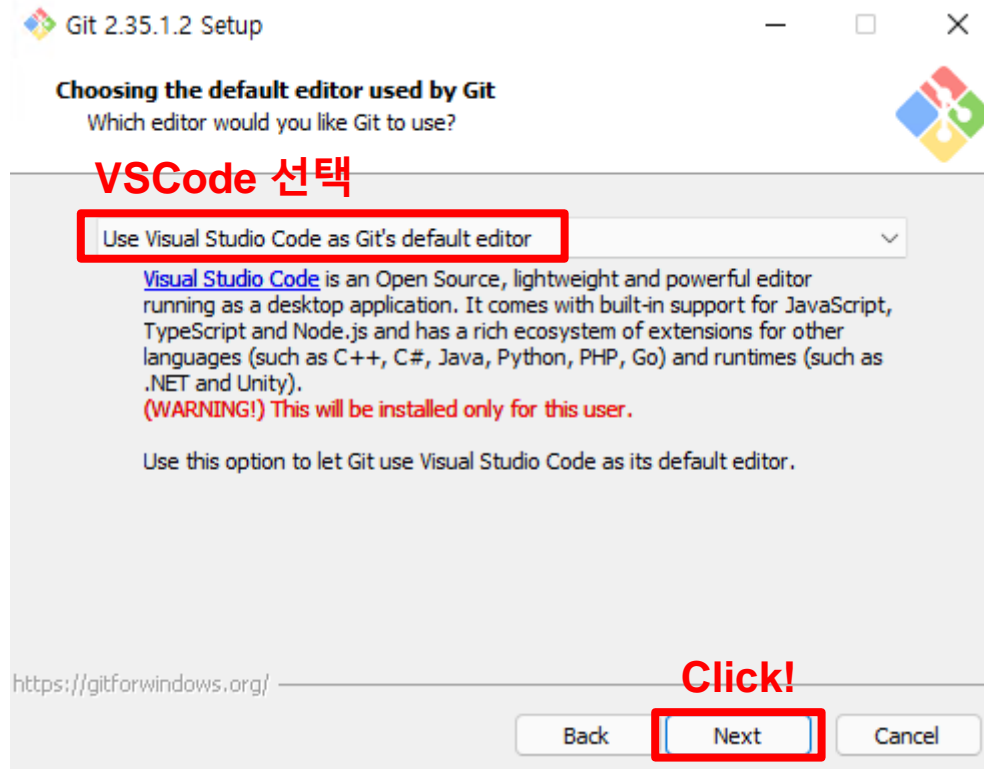


Git – Install



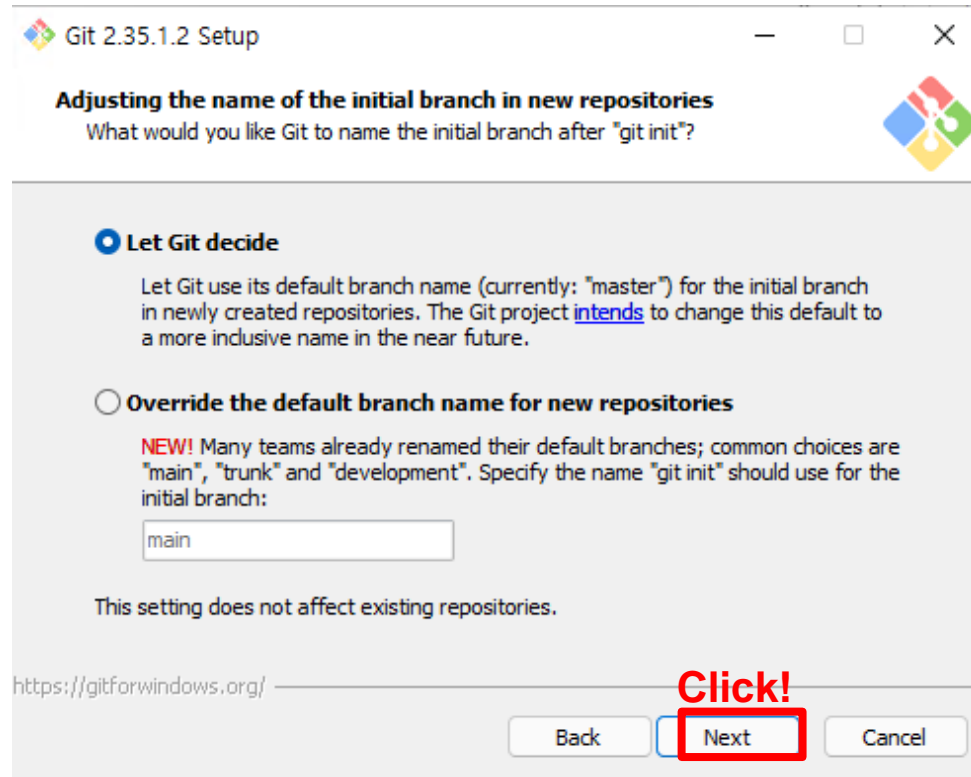
Git – Install

- Visual Studio Code를 기본값으로 선택합니다.



Git – Install

- 이후부터는 모두 다음을 눌러 설치를 완료해줍니다

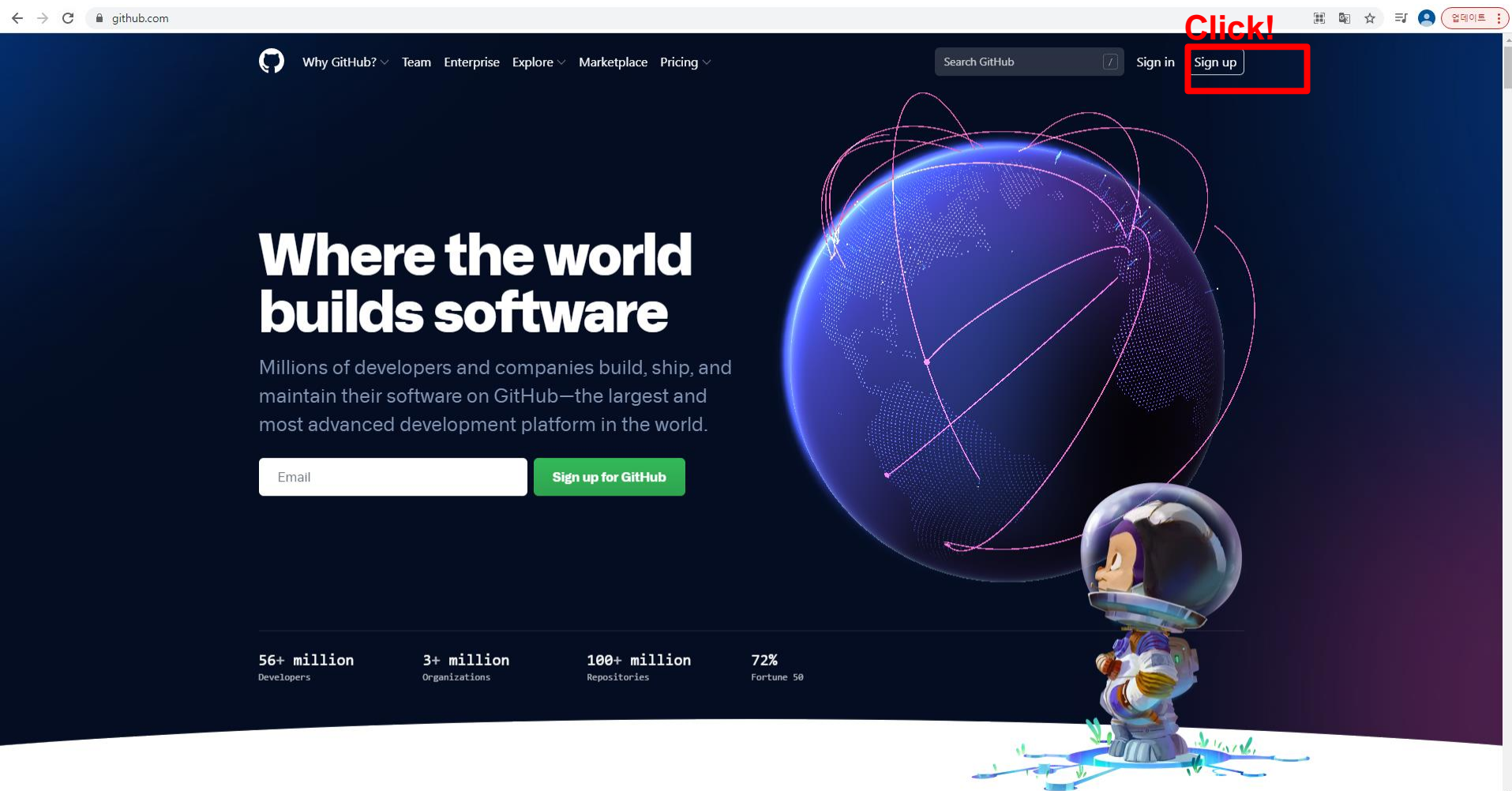


- Git을 통해 소스 코드를 업데이트 한 후 GitHub에 업로드하여 사람들과 공유하고 협업할 때 사용되는 웹사이트
- 주로 로컬 저장소에서 Git을 통해 소스 코드 버전 관리를 하고 원격 저장소인 GitHub에 업로드하는 방식으로 진행

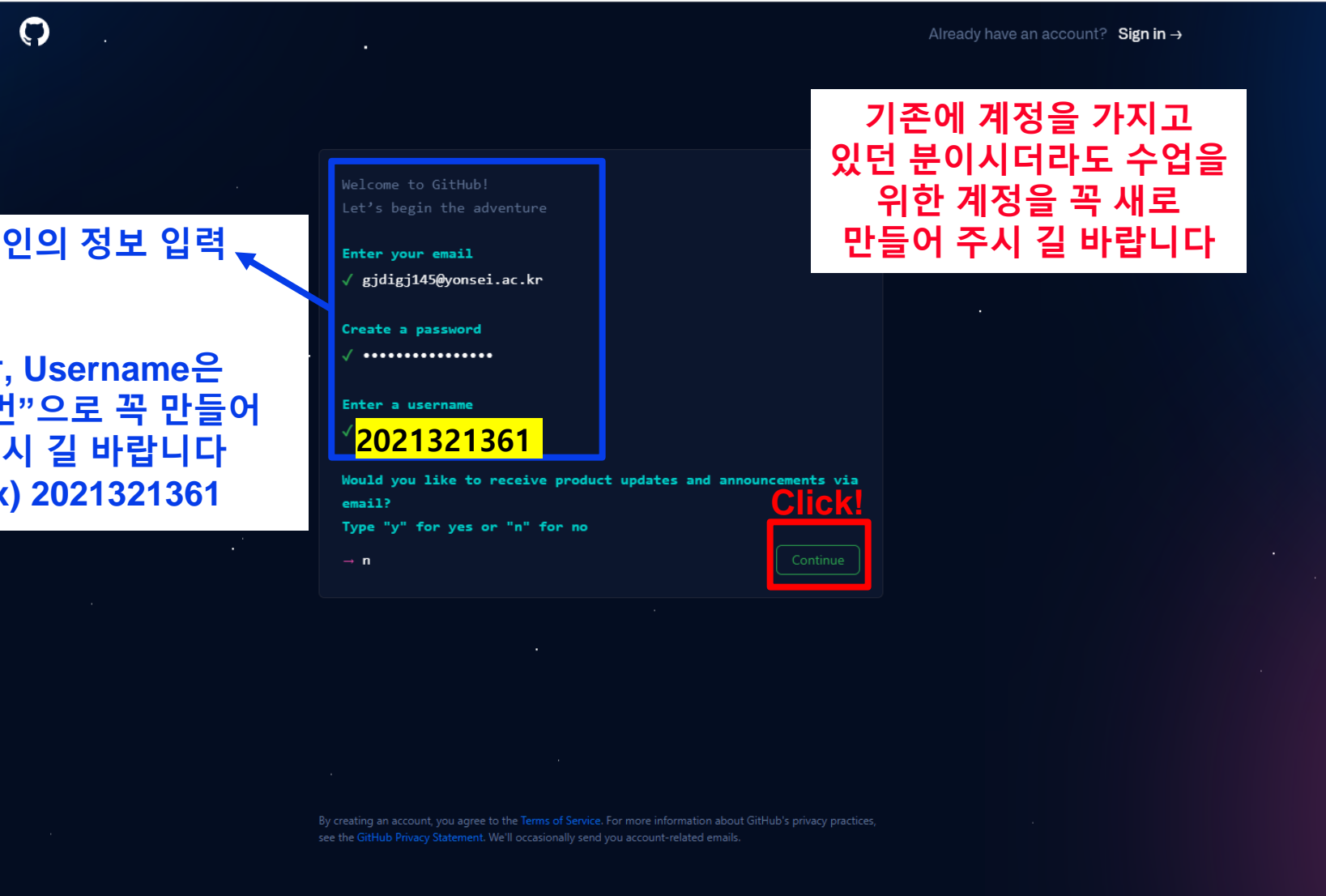
즉, 클라우드와 로컬에 모두 저장소를 가지고 있는 분산 버전 관리 방식

GitHub – Sign Up

- <https://github.com/> 접속



GitHub – Sign Up



The screenshot shows the GitHub sign-up interface. At the top left is the GitHub logo. At the top right, it says "Already have an account? Sign in →". The main form area has a dark background with white text. It starts with "Welcome to GitHub! Let's begin the adventure". Then it asks to "Enter your email" with a green checkmark and the email "gjdigj145@yonsei.ac.kr". Next is "Create a password" with a green checkmark and a masked password ".....". Then it asks to "Enter a username" with a green checkmark and the username "2021321361" highlighted in yellow. Below this is a question "Would you like to receive product updates and announcements via email?" with the instruction "Type 'y' for yes or 'n' for no" and the answer "n". At the bottom right of the form is a "Continue" button highlighted with a red box and the word "Click!" in red. At the bottom of the page, there is a small disclaimer: "By creating an account, you agree to the Terms of Service. For more information about GitHub's privacy practices, see the GitHub Privacy Statement. We'll occasionally send you account-related emails."

본인의 정보 입력

단, Username은
“학번”으로 꼭 만들어
주시길 바랍니다
ex) 2021321361

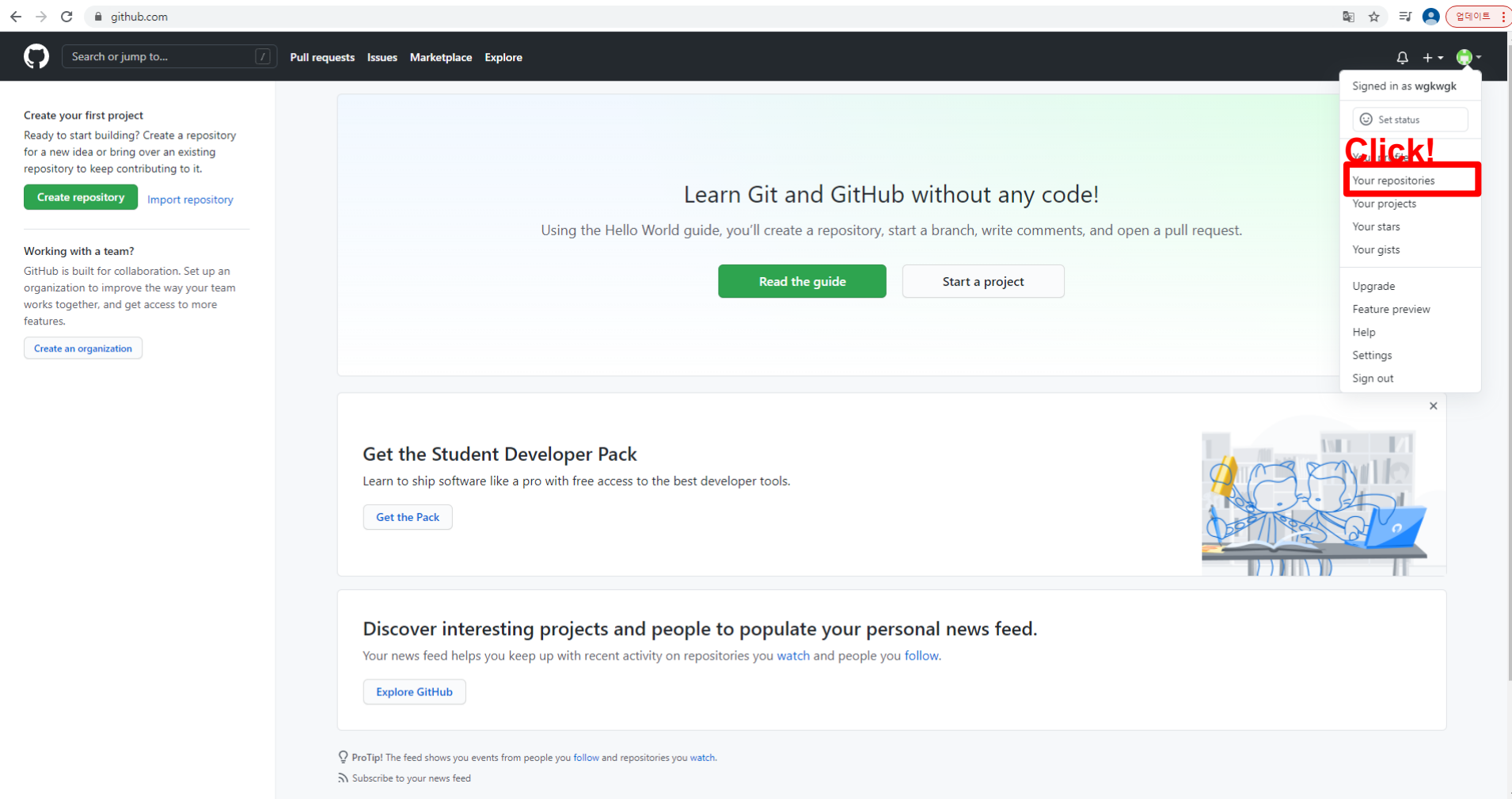
기존에 계정을 가지고
있던 분이시더라도 수업을
위한 계정을 꼭 새로
만들어 주시길 바랍니다

Click!

Continue

By creating an account, you agree to the [Terms of Service](#). For more information about GitHub's privacy practices, see the [GitHub Privacy Statement](#). We'll occasionally send you account-related emails.

GitHub – Create Repository



The screenshot shows the GitHub homepage. On the left, there are sections for 'Create your first project' and 'Working with a team?'. The main content area features a large green box with the text 'Learn Git and GitHub without any code!' and buttons for 'Read the guide' and 'Start a project'. Below this are sections for 'Get the Student Developer Pack' and 'Discover interesting projects and people to populate your personal news feed.'. On the right, a user menu is open, showing options like 'Set status', 'Your repositories' (highlighted with a red box and the word 'Click!'), 'Your projects', 'Your stars', 'Your gists', 'Upgrade', 'Feature preview', 'Help', 'Settings', and 'Sign out'.

github.com

Search or jump to...

Pull requests Issues Marketplace Explore

Signed in as wgkwgk

Set status

Click!

Your repositories

Your projects

Your stars

Your gists

Upgrade

Feature preview

Help

Settings

Sign out

Create your first project

Ready to start building? Create a repository for a new idea or bring over an existing repository to keep contributing to it.

Create repository Import repository

Working with a team?

GitHub is built for collaboration. Set up an organization to improve the way your team works together, and get access to more features.

Create an organization

Learn Git and GitHub without any code!

Using the Hello World guide, you'll create a repository, start a branch, write comments, and open a pull request.

Read the guide Start a project

Get the Student Developer Pack

Learn to ship software like a pro with free access to the best developer tools.

Get the Pack

Discover interesting projects and people to populate your personal news feed.

Your news feed helps you keep up with recent activity on repositories you [watch](#) and people you [follow](#).

Explore GitHub

ProTip! The feed shows you events from people you [follow](#) and repositories you [watch](#).


Subscribe to your news feed

GitHub – Create Repository

← → ↻ github.com/wgkwgk?tab=repositories

Search or jump to... Pull requests Issues Marketplace Explore

Overview Repositories Projects Packages

 wgkwgk

[Edit profile](#)

🕒 Joined 2 minutes ago

ProTip! Updating your profile with your name, location, and a profile picture helps other GitHub users get to know you. [Edit profile](#)

Find a repository... Type: All Language: All **New**

Click!

wgkwgk doesn't have any public repositories yet.

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GitHub – Create Repository

← → ↻ github.com/new

Search or jump to... Pull requests Issues Marketplace Explore

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere?
[Import a repository.](#)

Owner * Repository name *

wgkwwgk HomeworkRepository

Great repository names are short and memorable. Need inspiration? How about ubiquitous-barnacle?

Description (optional)

☒ Public
Anyone on the internet can see this repository. You choose who can commit.

☐ Private
You choose who can see and commit to this repository.

Initialize this repository with:

Skip this step if you're importing an existing repository.

☐ Add a README file
This is where you can write a long description for your project. [Learn more.](#)

☐ Add .gitignore
Choose which files not to track from a list of templates. [Learn more.](#)

☐ Choose a license
Tell others what they can and can't do with your code. [Learn more.](#)

Click!

Create repository

© 2021 GitHub, Inc. Terms Privacy Security Status Docs Contact GitHub Pricing API Training Blog About

Repository name은 꼭
“HomeworkRepository”
로 해주시길 바랍니다

GitHub – Clone

The screenshot shows the GitHub repository page for 'wgkwgk / Assignment1'. The page includes a header with the GitHub logo, a search bar, and navigation links for Pull requests, Issues, Marketplace, and Explore. Below the header is a green banner with the text 'Learn Git and GitHub without any code!' and a 'Read the guide' button. The repository name 'wgkwgk / Assignment1' is displayed, along with buttons for Unwatch, Star, and Fork. The 'Code' tab is selected, showing the 'Quick setup' section. This section includes a 'Set up in Desktop' button, a link to the repository URL, and a red box highlighting a copy icon. The text 'Click!(Copy)' is written in red next to the copy icon. Below this, there are two sections: '...or create a new repository on the command line' and '...or push an existing repository from the command line', each with a code block and a copy icon.

github.com/wgkwgk/Assignment1

Search or jump to...

Pull requests Issues Marketplace Explore

Learn Git and GitHub without any code!

Using the Hello World guide, you'll start a branch, write comments, and open a pull request.

Read the guide

wgkwgk / Assignment1

Unwatch 1 Star 0 Fork 0

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

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

Set up in Desktop or HTTPS SSH <https://github.com/wgkwgk/Assignment1.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 "# Assignment1" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/wgkwgk/Assignment1.git
git push -u origin main
```

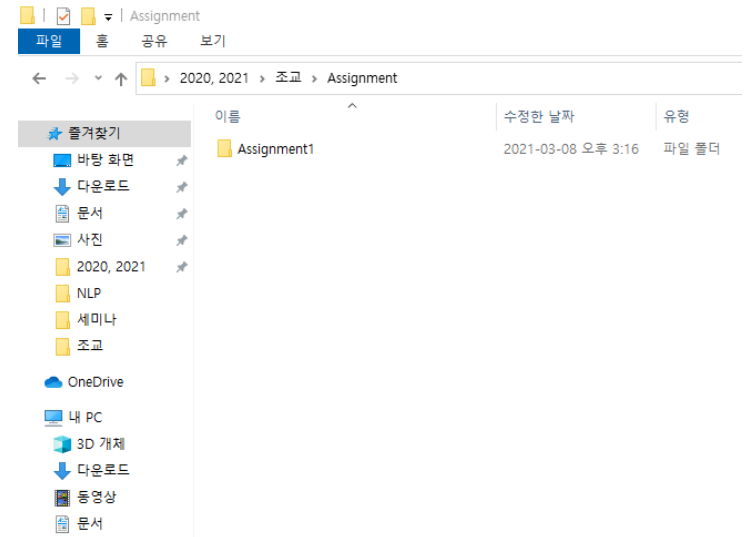
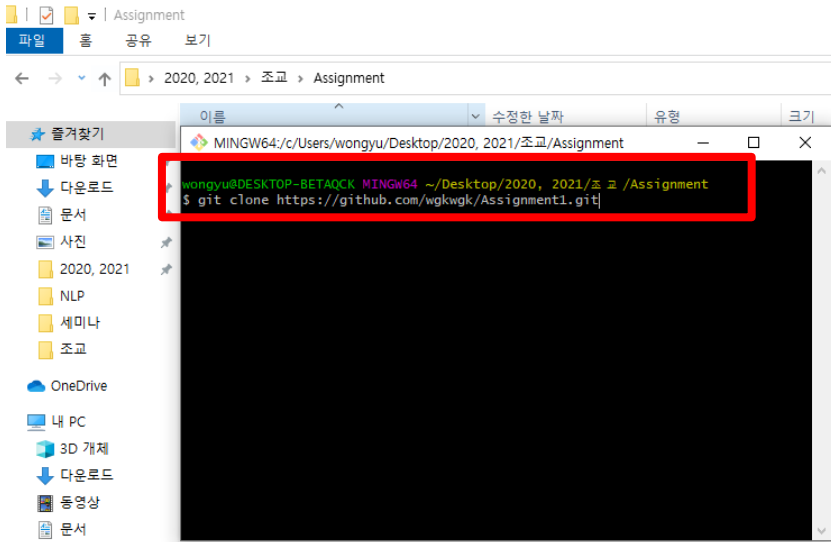
...or push an existing repository from the command line

```
git remote add origin https://github.com/wgkwgk/Assignment1.git
```

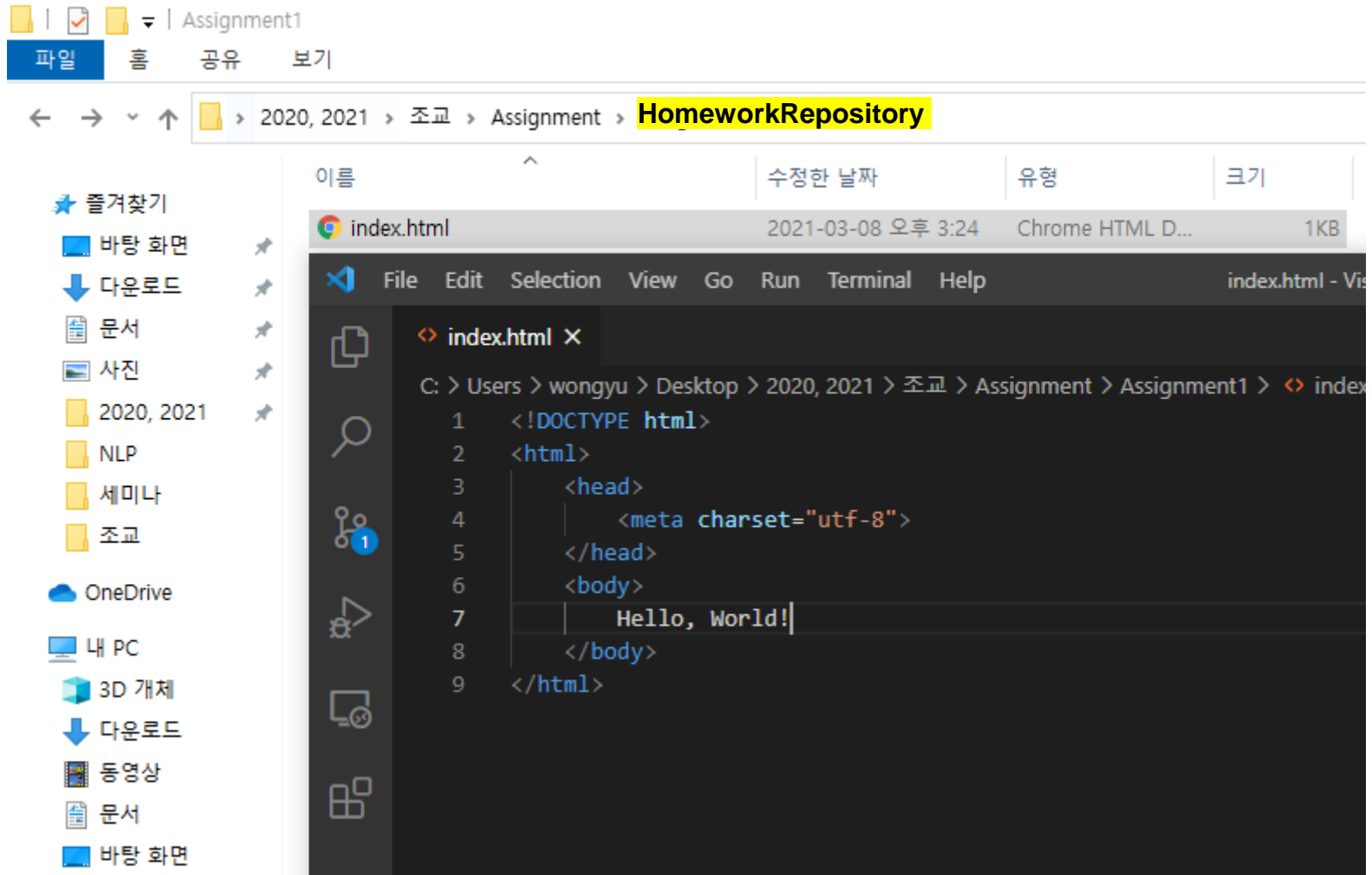
Click!(Copy)

GitHub – Clone

- 원하는 폴더에서 오른쪽 클릭 후 Git Bash 실행
- 복사된 원격 저장소 주소를 이용하여 아래의 명령어 실행
 - Git clone <복사한 URL 붙여넣기>
- 원격 저장소가 로컬 저장소에 “Clone” 됨



- HomeworkRepository folder(Clone Folder)에 들어가
“index.html” 파일을 아래와 같이 생성



- 현재 폴더에서 Git Bash 실행 후 다음 명령어 실행
 - `git add index.html`
 - 이번 버전에 `index.html` 파일을 포함시킨다.
 - `git commit -m "Hello world!"`
 - 이번 버전을 "Hello world!"라는 메시지와 함께 저장한다.
 - `git push`
 - 저장한 버전을 github에 올린다.

- Commit이 제대로 되지 않을 때
 - `git config --global user.email` “깃허브에 가입한 이메일”
 - `git config --global user.name` “학번”

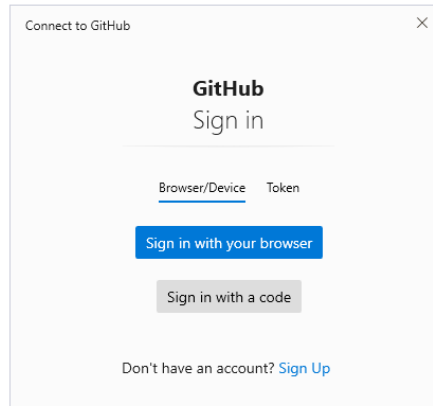
```
gjdig@DESKTOP-A1H783G MINGW64 /f/Projects/인터넷 컴퓨팅 /Test (main)
$ git commit -m "test!"
Author identity unknown

*** Please tell me who you are.

Run

  git config --global user.email "you@example.com"
  git config --global user.name "Your Name"
```

- Push가 제대로 되지 않을 때
 - 아래와 같이 로그인 창이 뜰 수도 있습니다.
 - 그럴 때는 Sign in with your browser를 눌러 주시고
 - 로그인을 하시면 됩니다.



**한번 로그인에 실패하면
복잡해지기 때문에
꼭 비밀번호를 제대로
확인해주시길 바랍니다**

- 원격 저장소에 업로드 완료

The screenshot shows a web browser at the URL `github.com/wgkwgk/Assignment1`. The page features a dark header with the GitHub logo, a search bar, and navigation links for Pull requests, Issues, Marketplace, and Explore. A green banner at the top of the repository page reads "Learn Git and GitHub without any code!" with a "Read the guide" button. Below this, the repository name "wgkwgk / Assignment1" is displayed, along with interaction buttons for Unwatch, Star, and Fork. The repository's main content area shows the "master" branch with 1 branch and 0 tags. A commit by "kimwongyuda" is listed with the message "Assignment1 Commit, Hello World" and a timestamp of "17 minutes ago". Below the commit list, there is a prompt to "Add a README". The right sidebar contains sections for "About", "Releases", "Packages", and "Languages", each with a brief description and a link to create a new item.

github.com/wgkwgk/Assignment1

Search or jump to... Pull requests Issues Marketplace Explore

Learn Git and GitHub without any code!

Using the Hello World guide, you'll start a branch, write comments, and open a pull request.

Read the guide

wgkwgk / Assignment1

Unwatch 1 Star 0 Fork 0

<> Code ⓘ Issues 🔧 Pull requests ⚙️ Actions 📁 Projects 📖 Wiki ⓘ Security 📊 Insights ⚙️ Settings

master 1 branch 0 tags

Go to file Add file Code

kimwongyuda Assignment1 Commit, Hello World 9544a18 17 minutes ago 1 commit

index.html Assignment1 Commit, Hello World 17 minutes ago

Help people interested in this repository understand your project by adding a README. Add a README

About

No description, website, or topics provided.

Releases

No releases published
Create a new release

Packages

No packages published
Publish your first package

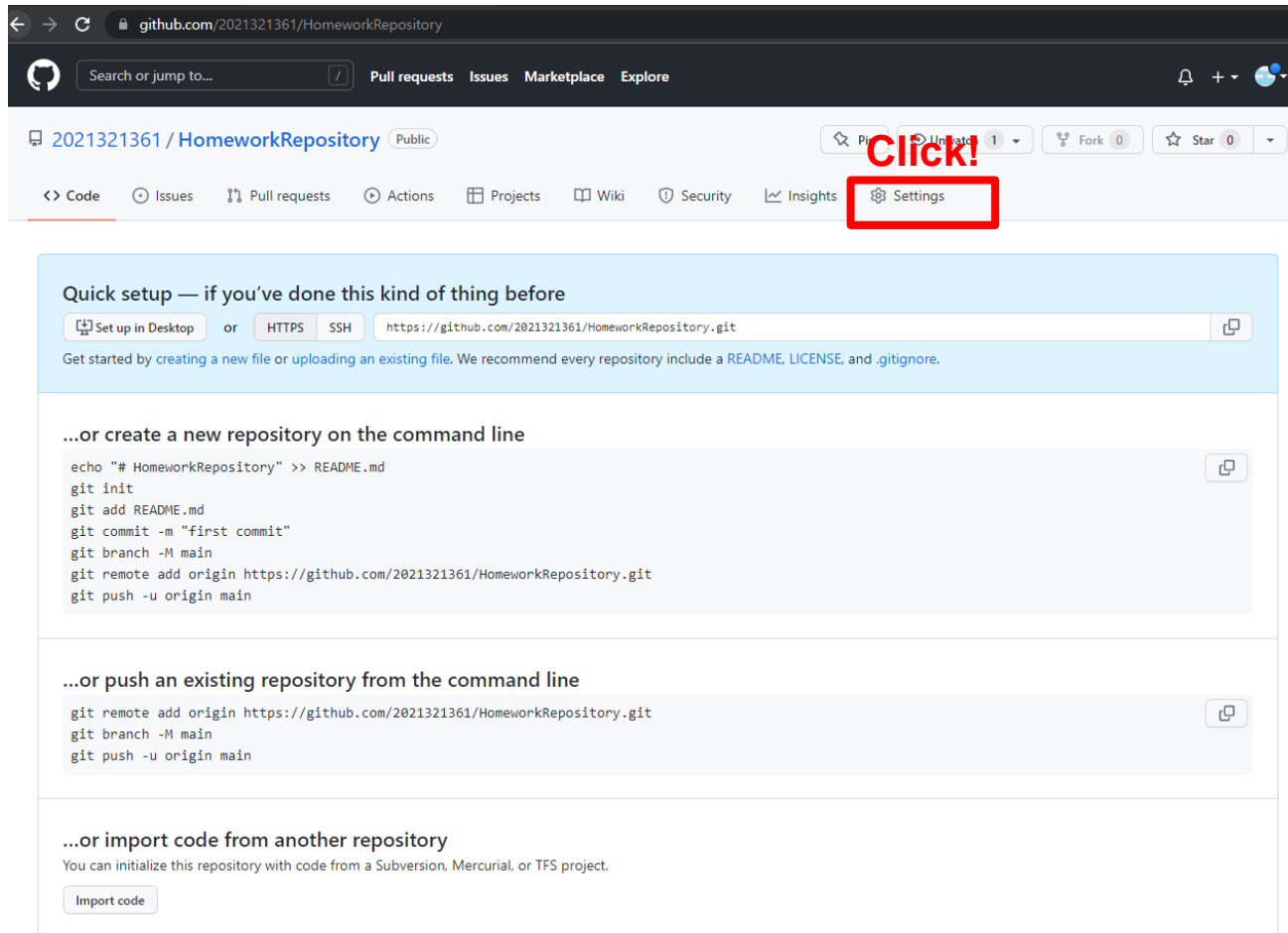
Languages

GitHub Page

- GitHub의 파일들을 호스팅하여 GitHub Page라는 새로운 웹사이트를 만들 수 있음
- GitHub Page를 자신이 원하는 대로 디자인 할 수 있음

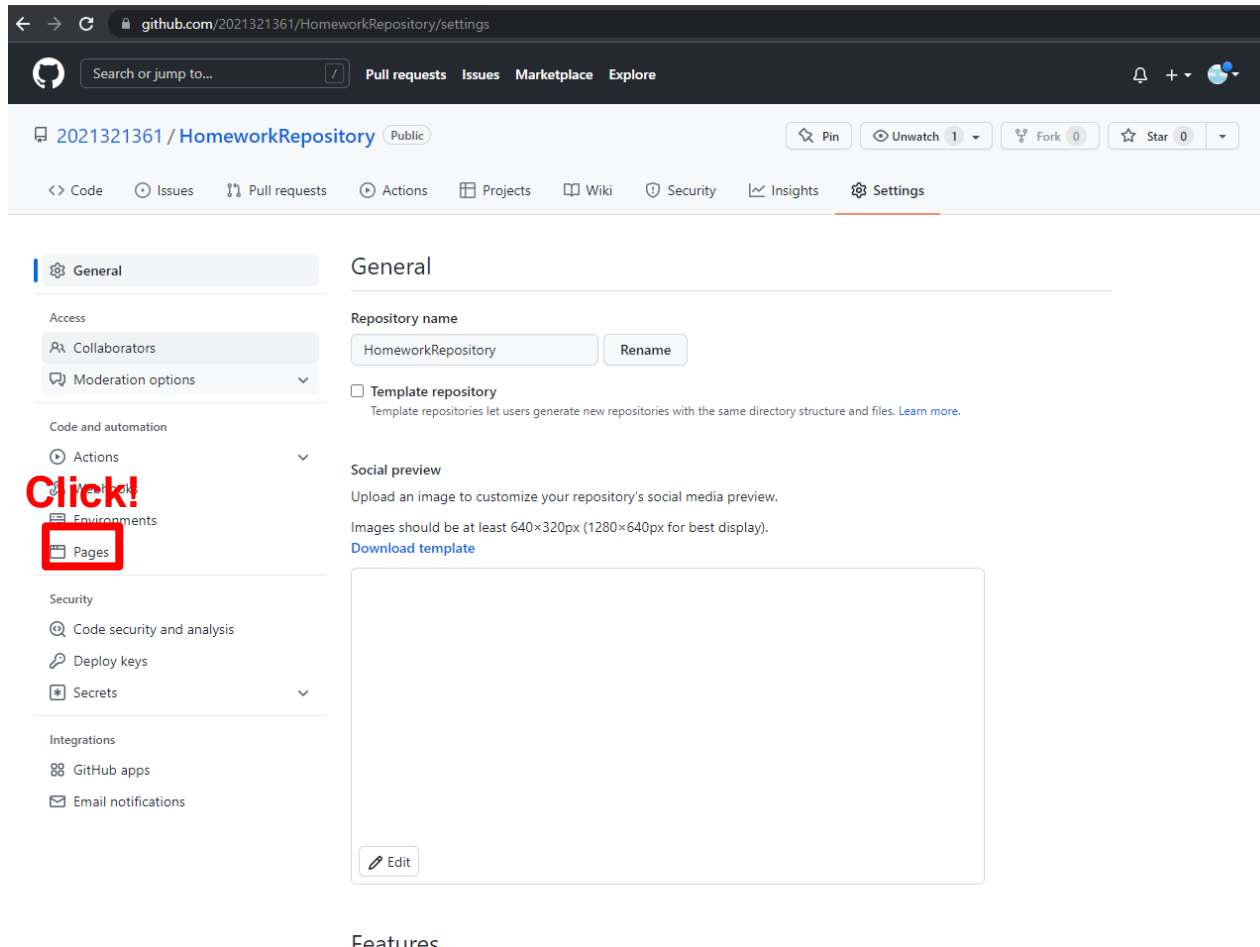
GitHub Page

- Settings 클릭



GitHub Page

- Pages 클릭



GitHub Page

- main 브랜치 선택 후 Save

The screenshot shows the GitHub repository settings page for a repository named 'HomeworkRepository'. The 'Pages' tab is selected in the left sidebar. In the 'GitHub Pages' section, the 'Source' is currently set to 'None'. A modal titled 'Select branch' is open, showing a list of branches. The 'main' branch is highlighted with a red box, and the text 'Click!' is written next to it. The 'None' option is also visible in the list. The background shows the repository's navigation bar and the 'Settings' tab selected.

GitHub Page

- GitHub Page를 수정하려면 로컬 저장소의 “index.html” 파일을 수정 후 GitHub에 다시 업로드(Push)

The screenshot shows the GitHub Pages interface. At the top right, a yellow box contains the URL `https://학생번호.github.io/HomeworkRepository/` with the text "로 나와야 성공적으로 GitHub Page를 만든 것 입니다". Below this, a light blue box contains the text "Your site is ready to be published at `https://021321361.github.io/HomeworkRepository/`". A red rectangle highlights the username "021321361", and a blue box highlights it with a blue arrow pointing down to the text "본인 학번(Username)으로 떼야 함". Below this, the "Source" section shows "Branch: main" and "/ (root)". The "Theme Chooser" section has a "Choose a theme" button. The "Custom domain" section has a "Learn more" link.

GitHub Pages

`https://학생번호.github.io/HomeworkRepository/`
로 나와야 성공적으로 GitHub Page를 만든 것 입니다

GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.

ⓘ Your site is ready to be published at `https://021321361.github.io/HomeworkRepository/`

Source
Your GitHub Pages site is currently being built from the `main` branch. [Learn more.](#)

🔗 Branch: `main` ▾ 📁 / (root) ▾ Save

Theme Chooser
Select a theme to publish your site with a Jekyll theme. [Learn more.](#)

Choose a theme

Custom domain
Custom domains allow you to serve your site from a domain other than `021321361.github.io`. [Learn more.](#)