

Git(깃) 설치 및 테스트

변영철 교수

(ycb@jejunu.ac.kr)

공부할 내용

- Git(깃)에 대하여
- Git 설치 및 테스트
- Git으로 다른 사람 파일 가지고 오기
- GitHub에 내 계정 만들기

Git 설치하기

Google
git 다운로드

About 408,000 results (0.73 seconds)

[Git - Downloads](#)
<https://git-scm.com/downloads> ▼
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 ...
[Windows](#) · [Mac](#) · [Linux](#) · [GUI Clients](#)

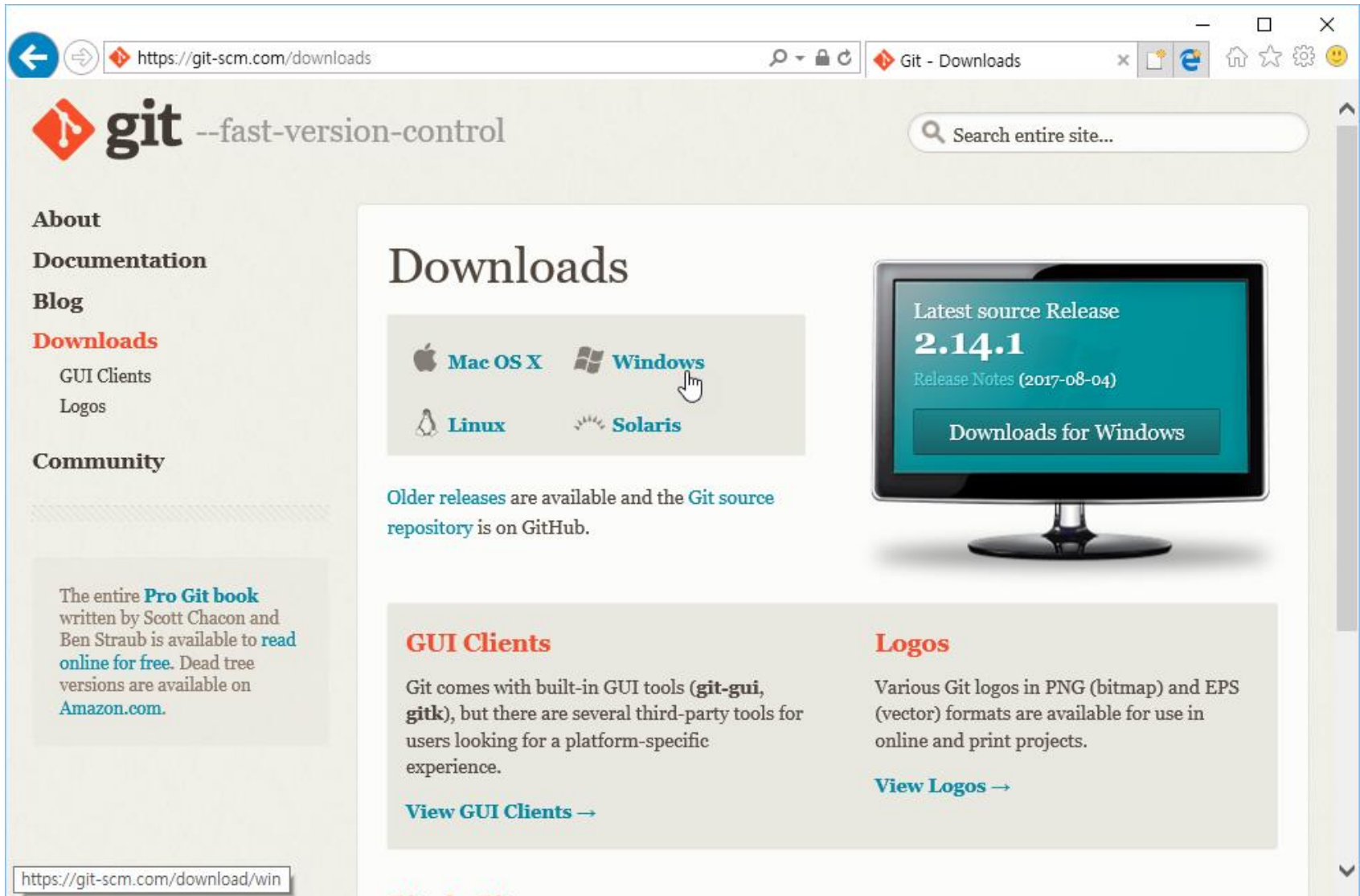
[Git - Git 설치](#)
<https://git-scm.com/book/ko/시작하기-Git-설치> ▼ [Translate this page](#)
공식 배포판은 Git 웹사이트에서 내려받을 수 있다. <http://git-scm.com/download/win>에 가면 자동으로 다운로드가 시작된다. 이 프로젝트가 'Git for Windows'인데, Git ...

[4. git 프로젝트 다운 받기 - 조아하는모든것](#)
uiandwe.tistory.com/805 ▼ [Translate this page](#)
Jan 27, 2013 - 이번에는 git를 이용하여 기존에 github.com에 올린 자료를 다른컴퓨터에서 다운받는 것, 그리고 오픈중인 하나의 소스를 git를 이용하여 다운받는 ...
You visited this page.

[git - 간편 안내서 - 어렵지 않아요!](#)
<https://rogerdudler.github.io/git-guide/index.ko.html> ▼ [Translate this page](#)
git을 시작하기 위한 간편 안내서. 어렵지 않아요 :) ... Windows용 git 다운로드 · Linux용 git ... 여러분

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

Git 설치하기



The screenshot shows the 'Downloads' page of the Git website. The browser's address bar displays 'https://git-scm.com/downloads'. The page features a sidebar with navigation links: 'About', 'Documentation', 'Blog', 'Downloads' (highlighted in red), 'GUI Clients', 'Logos', and 'Community'. The main content area is titled 'Downloads' and includes a section for the 'Latest source Release 2.14.1' with a 'Downloads for Windows' button. Below this, there are links for 'Older releases' and the 'Git source repository'. A 'GUI Clients' section mentions built-in tools like 'git-gui' and 'gitk', along with a link to 'View GUI Clients'. A 'Logos' section mentions various Git logos available in PNG and EPS formats, with a link to 'View Logos'. The footer of the browser window shows the URL 'https://git-scm.com/download/win'.

https://git-scm.com/downloads

git --fast-version-control

Search entire site...

About
Documentation
Blog
Downloads
GUI Clients
Logos
Community

Downloads

Mac OS X Windows
Linux Solaris

Latest source Release
2.14.1
Release Notes (2017-08-04)
Downloads 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 →](#)

https://git-scm.com/download/win

Git 설치하기

The screenshot shows a web browser window at <https://git-scm.com/download/win>. The page features the Git logo and the tagline "--fast-version-control". A search bar is located in the top right. On the left, there is a navigation menu with links to "About", "Documentation", "Blog", "Downloads" (highlighted in red), "GUI Clients", "Logos", and "Community". The main content area is titled "Downloading Git" and contains a large downward arrow icon. To the right of the arrow, the text reads: "Your download is starting... You are downloading the latest (2.14.1) 64-bit version of Git for Windows. This is the most recent maintained build. It was released 23 days ago, on 2017-08-10." At the bottom of the browser window, a Windows download dialog box is open, displaying the message: "github-production-release-asset-2e65be.s3.amazonaws.com의 Git-2.14.1-64-bit.exe(35.5MB)을(를) 실행하거나 저장하시겠습니까?". The dialog box has three buttons: "실행(R)" (Run), "저장(S)" (Save), and "취소(C)" (Cancel).

git --fast-version-control

Search entire site...

About
Documentation
Blog
Downloads
GUI Clients
Logos
Community

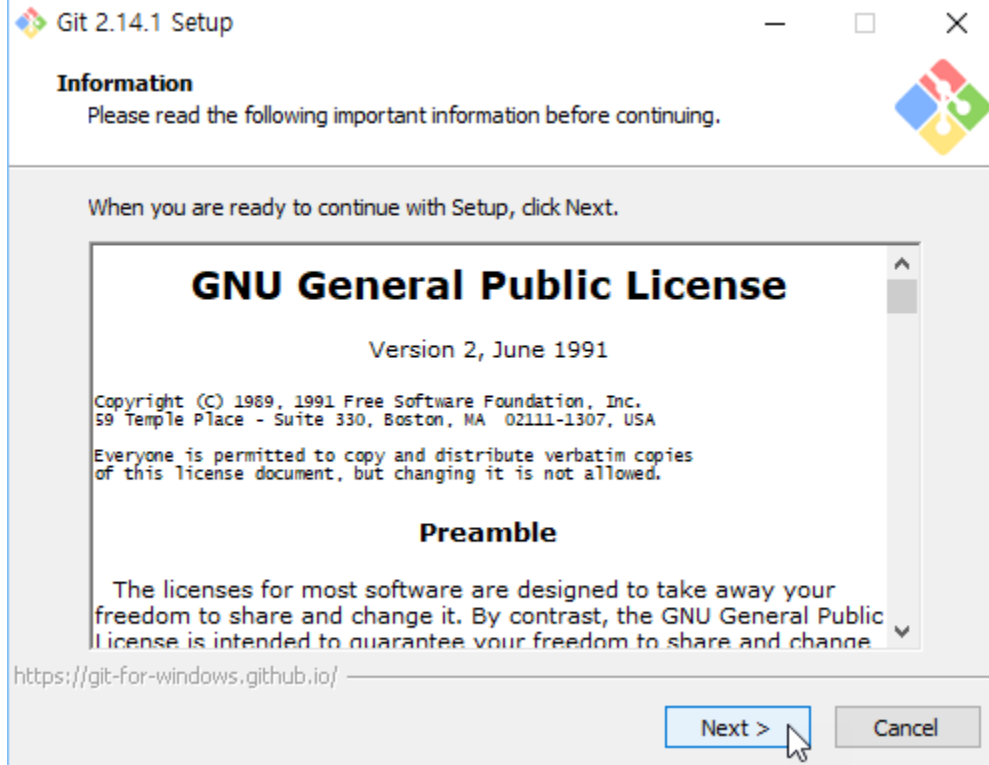
Downloading Git

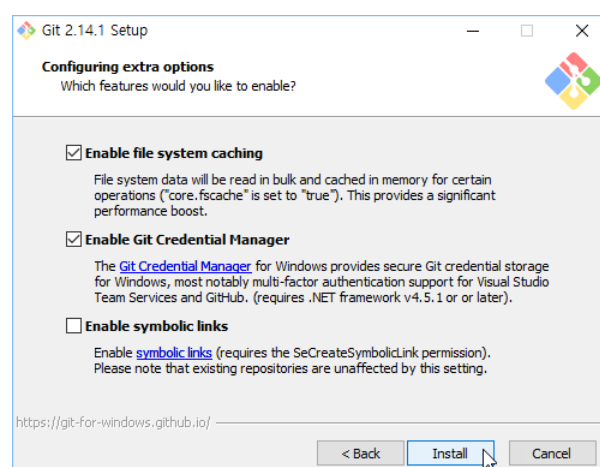
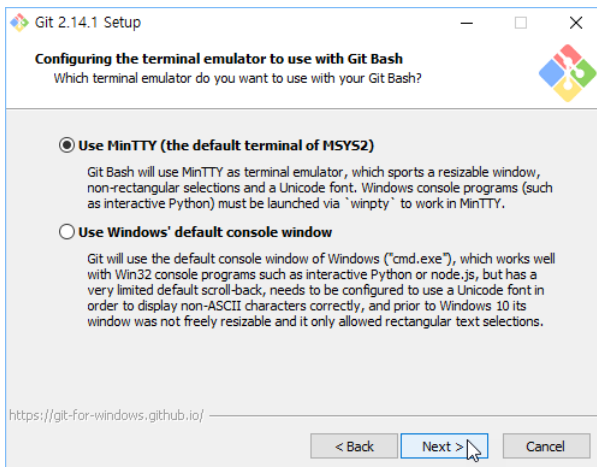
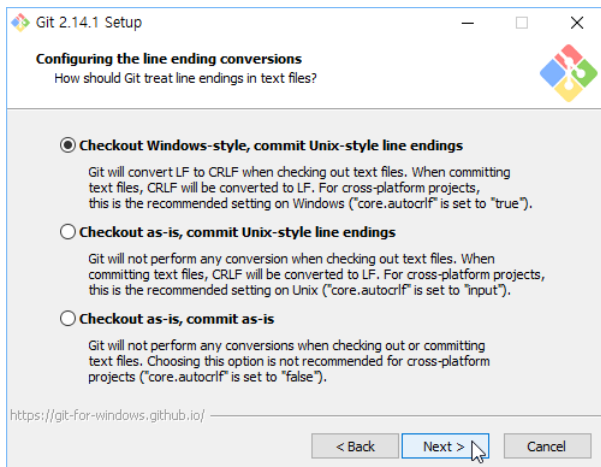
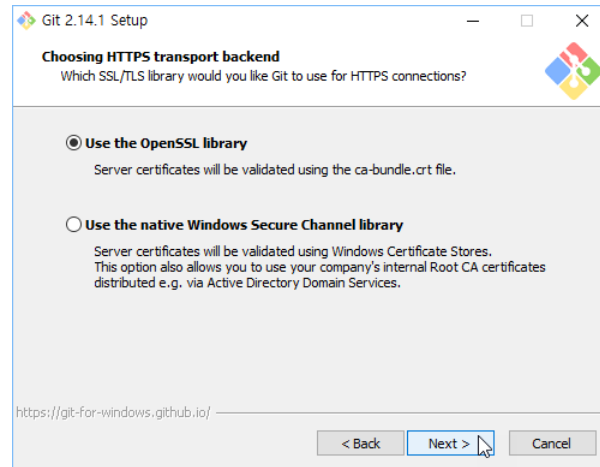
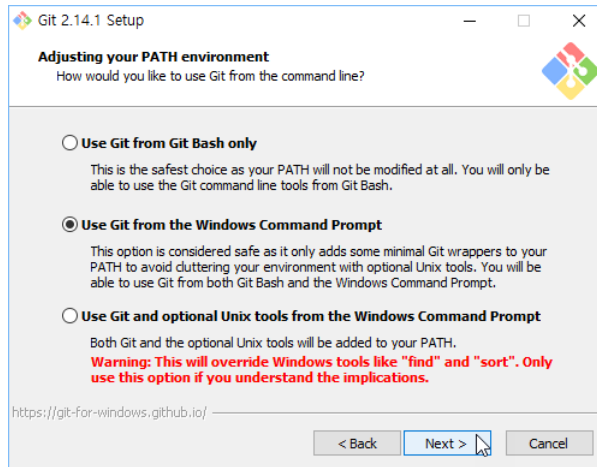
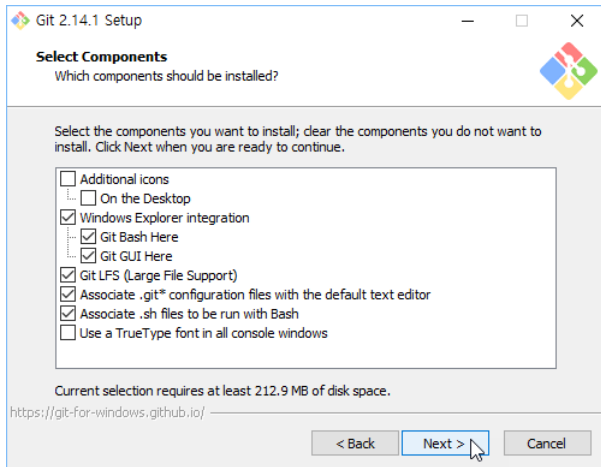
Your download is starting...

You are downloading the latest (2.14.1) 64-bit version of Git for Windows. This is the most recent **maintained build**. It was released **23 days ago**, on 2017-08-10.

github-production-release-asset-2e65be.s3.amazonaws.com의 Git-2.14.1-64-bit.exe(35.5MB)을(를) 실행하거나 저장하시겠습니까?

실행(R) 저장(S) 취소(C)





Completing the Git Setup Wizard

Setup has finished installing Git on your computer. The application may be launched by selecting the installed shortcuts.



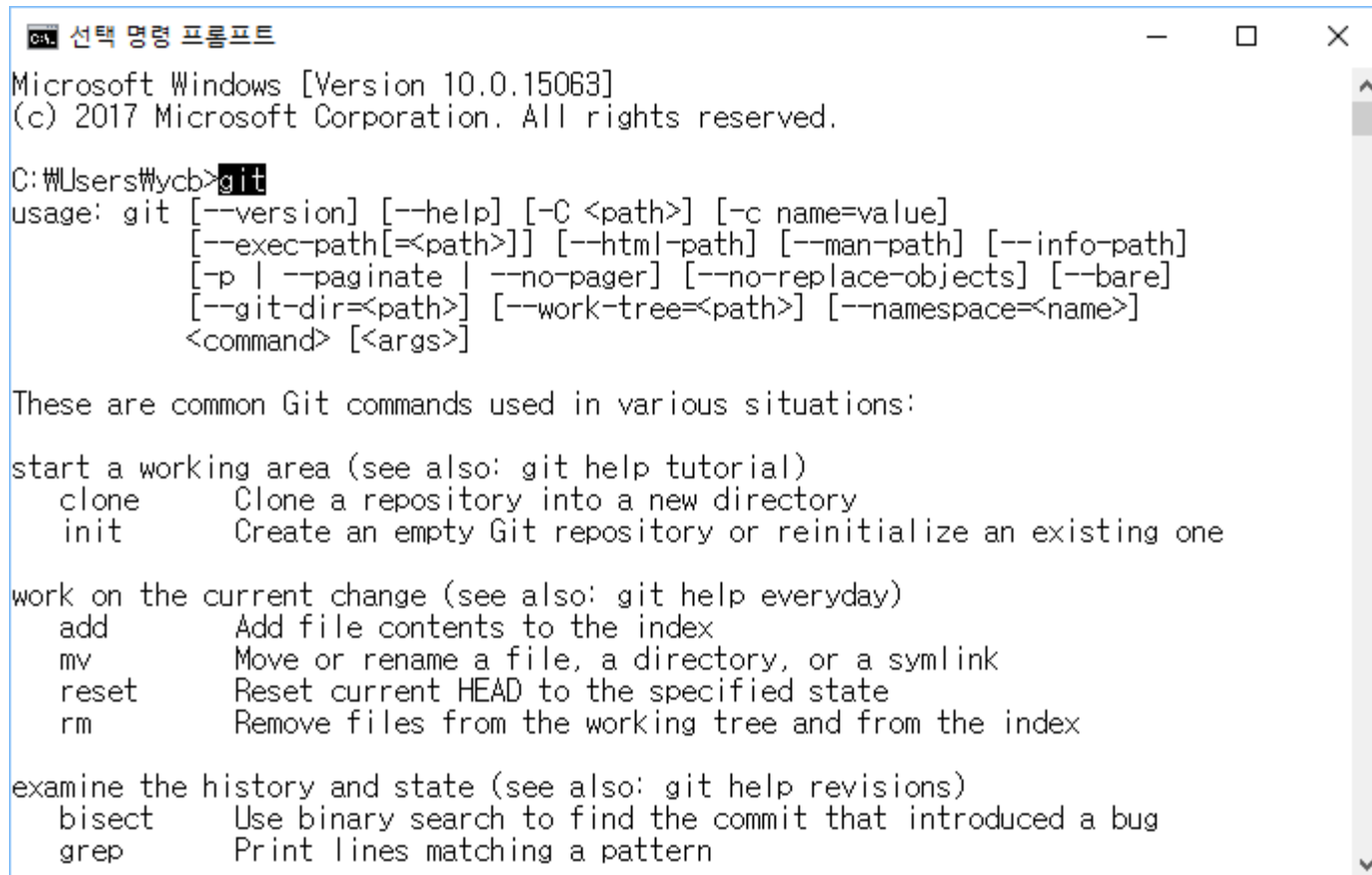
Click Finish to exit Setup.

- ☐ Launch Git Bash
- ☒ View Release Notes

Finish

Git 테스트하기

명령 프롬프트 실행 후 아무 곳에서도나 git 실행
c:\>git



```
선택 명령 프롬프트
Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\mycb>git
usage: git [--version] [--help] [-C <path>] [-c name=value]
         [--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]
         [-p | --paginate | --no-pager] [--no-replace-objects] [--bare]
         [--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]
         <command> [<args>]

These are common Git commands used in various situations:


start a working area (see also: git help tutorial)
    clone      Clone a repository into a new directory
    init       Create an empty Git repository or reinitialize an existing one


work on the current change (see also: git help everyday)
    add        Add file contents to the index
    mv         Move or rename a file, a directory, or a symlink
    reset      Reset current HEAD to the specified state
    rm         Remove files from the working tree and from the index


examine the history and state (see also: git help revisions)
    bisect     Use binary search to find the commit that introduced a bug
    grep       Print lines matching a pattern
```

Git 테스트하기

c:\xxx>git --version

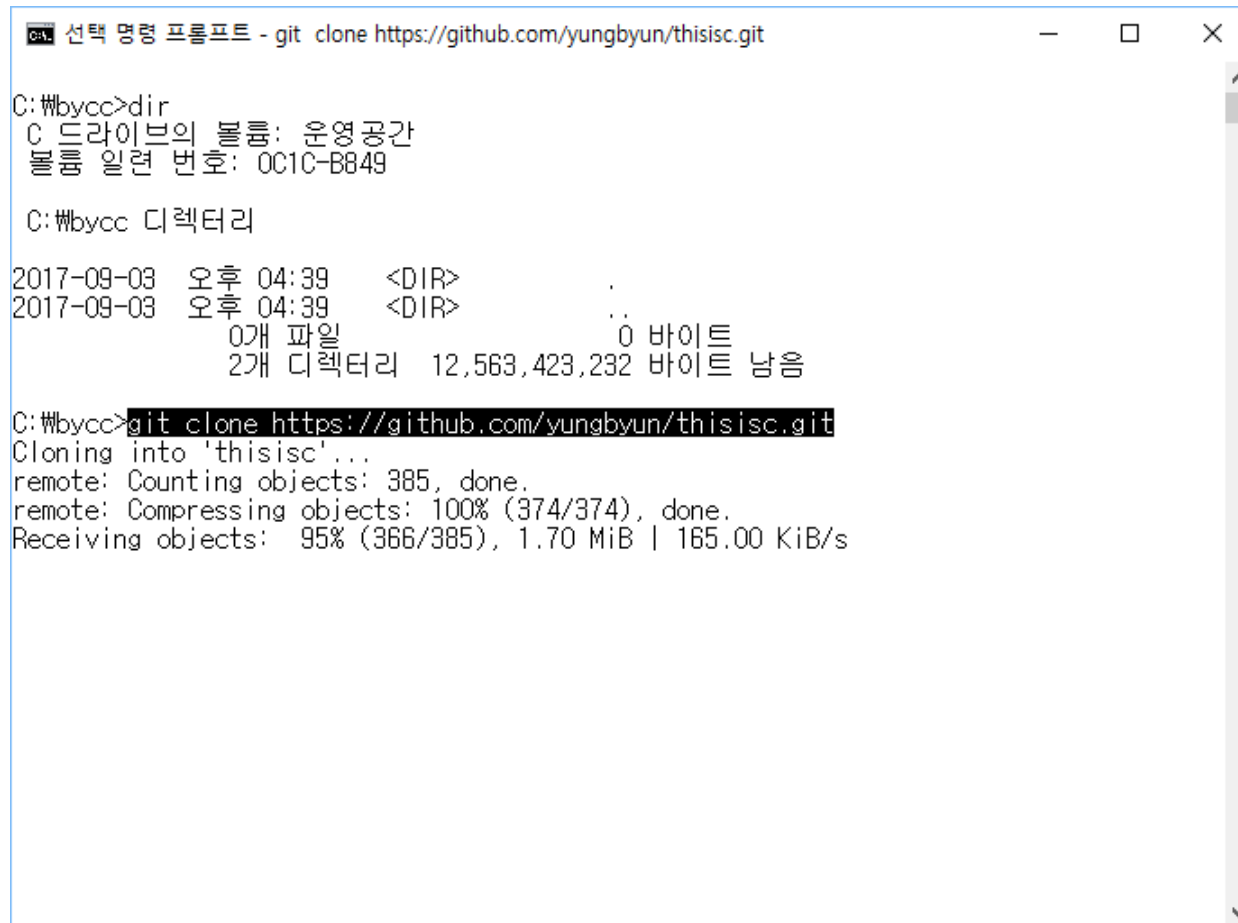


```
C:\> 선택 명령 프롬프트
C:\Users\yycb>git --version
git version 2.14.1.windows.1
C:\Users\yycb>
```

소스 가져오기

자신의 폴더를 만든 후 이동 (c:\Wxxx)

c:\Wxxx>git clone https://github.com/yungbyun/thisisc.git



```
cmd 선택 명령 프롬프트 - git clone https://github.com/yungbyun/thisisc.git

C:\Wbycc>dir
C 드라이브의 볼륨: 운영공간
볼륨 일련 번호: 0C1C-B849

C:\Wbycc 디렉터리

2017-09-03 오후 04:39 <DIR>          .
2017-09-03 오후 04:39 <DIR>          ..
                0개 파일              0 바이트
                2개 디렉터리 12,563,423,232 바이트 남음

C:\Wbycc>git clone https://github.com/yungbyun/thisisc.git
Cloning into 'thisisc'...
remote: Counting objects: 385, done.
remote: Compressing objects: 100% (374/374), done.
Receiving objects: 95% (366/385), 1.70 MiB | 165.00 KiB/s
```

“

깃(Git)을 이용하면
다른 사람의 파일을
가져올 수 있다.

```
c:\Wxxx>git clone https://github.com/yungbyun/clecturenote.git
```

“

다른 사람이 짜고 있는
프로그램 소스도
가져올 수 있다.

c:\Wxxx>git clone <https://github.com/yungbyun/youngcwork.git>

“

내가 그 프로그램을
같이 수정할(작성) 수도 있다.

Git과 Github

- Git이란?
 - 여러 사람이 프로젝트를 같이 개발, 소스 코드 이력/버전 관리를 쉽게 할 수 있는 도구
 - 분산 시스템, 오픈 소스
 - Git → '기분 나쁜 놈' 혹은 '콘텐츠를 쫓는 멍청한 녀석'이라는 의미의 영국 속어라는 말이 있음.

※깁(Geek) → 기이한, 일반 사람과는 다른, 어떤 취미나 지적 추구에 폭 빠져 있는 사람.

옛날에는 카니발에서 닭이나 박쥐, 뱀, 벌레 등을 산채로 물어 뜯는 공연자를 가리켰다(Geek show).



Git과 Github

- Github
 - 프로젝트, 소스 프로그램을 올려 놓는 곳(서버)
 - <https://github.com>

Git과 Github



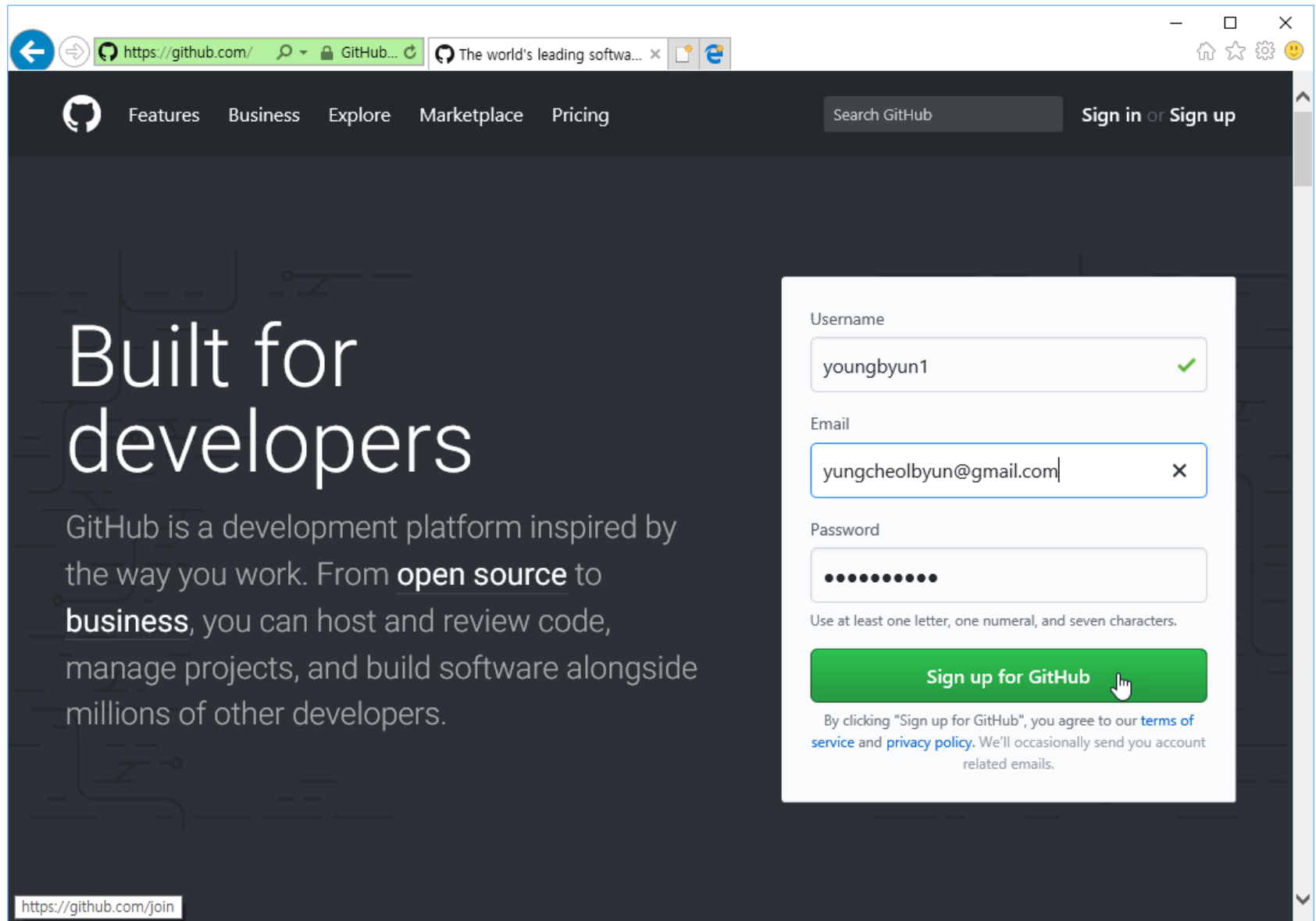
I'm an egotistical bastard, and I name all my projects after myself. First Linux, now git.

(Linus Torvalds)

리눅스의 아버지

izquotes.com

Github에 내 계정 만들기



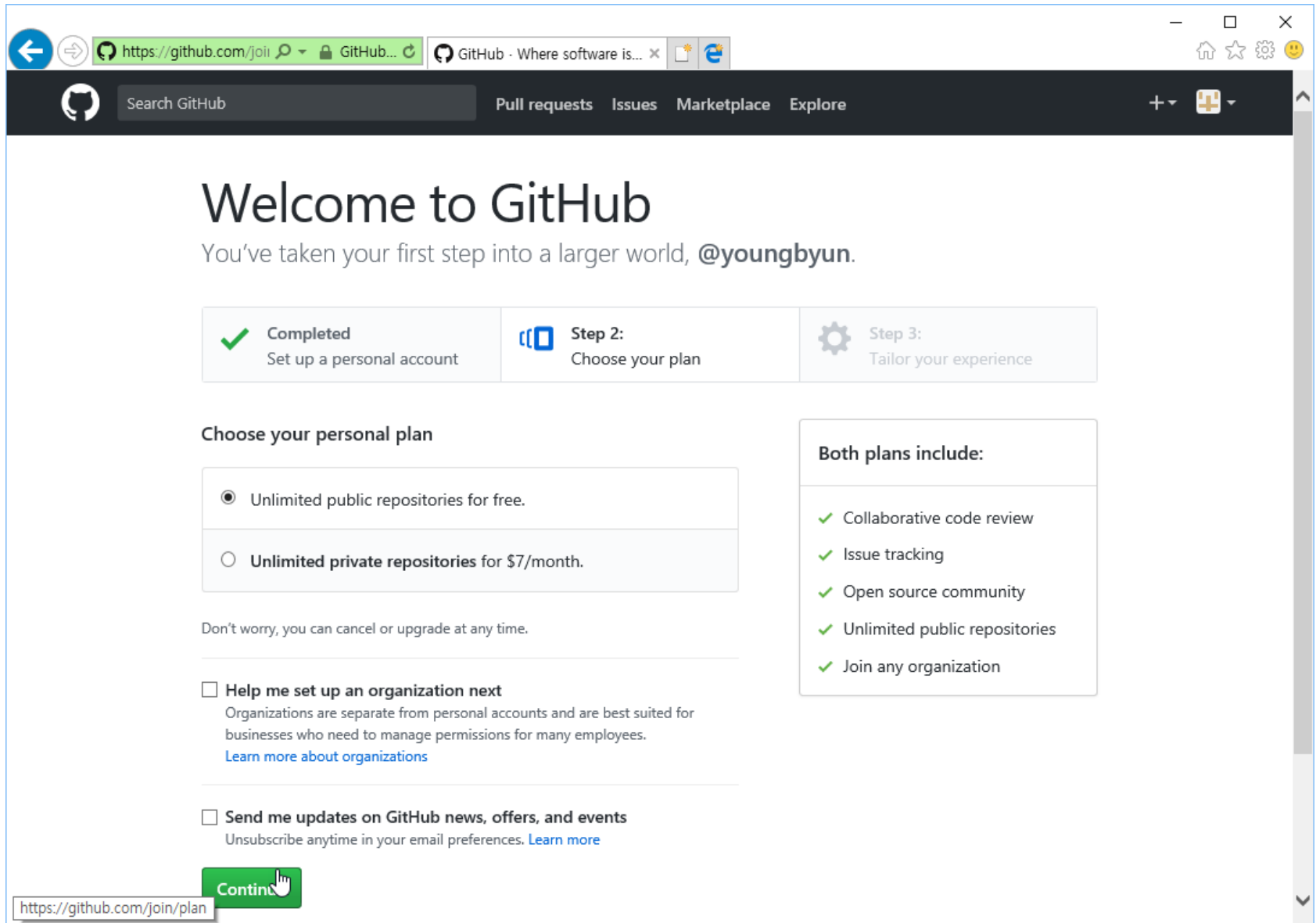
The image shows the GitHub homepage with a sign-up form overlay. The background features the GitHub logo and navigation links (Features, Business, Explore, Marketplace, Pricing). The main heading reads "Built for developers". Below it, a paragraph states: "GitHub is a development platform inspired by the way you work. From **open source** to **business**, you can host and review code, manage projects, and build software alongside millions of other developers."

The sign-up form overlay contains the following fields and elements:

- Username:** A text input field containing "youngbyun1" with a green checkmark icon on the right.
- Email:** A text input field containing "yungcheolbyun@gmail.com" with a red 'x' icon on the right.
- Password:** A password input field with masked characters (dots).
- Password Hint:** Text below the password field: "Use at least one letter, one numeral, and seven characters."
- Sign up for GitHub:** A large green button with a hand cursor icon.
- Terms and Privacy:** Text below the button: "By clicking 'Sign up for GitHub', you agree to our [terms of service](#) and [privacy policy](#). We'll occasionally send you account related emails."

At the bottom left of the page, there is a link: <https://github.com/join>.

Github에 내 계정 만들기



The screenshot shows the GitHub account creation process for a user named @youngbyun. The browser address bar shows the URL https://github.com/join. The page has a dark header with the GitHub logo, a search bar, and navigation links for Pull requests, Issues, Marketplace, and Explore. The main content area is titled 'Welcome to GitHub' and includes a personalized message. A progress bar at the top indicates three steps: Step 1 (Completed: Set up a personal account), Step 2 (Choose your plan), and Step 3 (Tailor your experience). Under 'Choose your personal plan', there are two radio button options: 'Unlimited public repositories for free.' (selected) and 'Unlimited private repositories for \$7/month.'. Below these options, a note states 'Don't worry, you can cancel or upgrade at any time.' There are two checkboxes: 'Help me set up an organization next' and 'Send me updates on GitHub news, offers, and events'. A green 'Continue' button is at the bottom left, with a mouse cursor hovering over it. The URL in the bottom left corner is https://github.com/join/plan.


https://github.com/join


Search GitHub Pull requests Issues Marketplace Explore

Welcome to GitHub

You've taken your first step into a larger world, @youngbyun.

✓ Completed
Set up a personal account

 Step 2:
Choose your plan

 Step 3:
Tailor your experience

Choose your personal plan

☒ Unlimited public repositories for free.

☐ Unlimited private repositories for \$7/month.

Don't worry, you can cancel or upgrade at any time.

☐ Help me set up an organization next
Organizations are separate from personal accounts and are best suited for businesses who need to manage permissions for many employees.
[Learn more about organizations](#)

☐ Send me updates on GitHub news, offers, and events
Unsubscribe anytime in your email preferences. [Learn more](#)



Continue

https://github.com/join/plan

Both plans include:

- ✓ Collaborative code review
- ✓ Issue tracking
- ✓ Open source community
- ✓ Unlimited public repositories
- ✓ Join any organization



Github에 내 계정 만들기







https://github.com/joii

GitHub...

GitHub · Where software is... x







Completed
Set up a personal account



Step 2:
Choose your plan



Step 3:
Tailor your experience

How would you describe your level of programming experience?

☐ Very experienced

☐ Somewhat experienced

☐ Totally new to programming

What do you plan to use GitHub for? (check all that apply)

☐ Project Management

☐ Design

☐ School projects

☐ Development

☐ Research

☐ Other (please specify)

Which is closest to how you would describe yourself?

☐ I'm a professional

☐ I'm a student

☐ I'm a hobbyist

☐ Other (please specify)

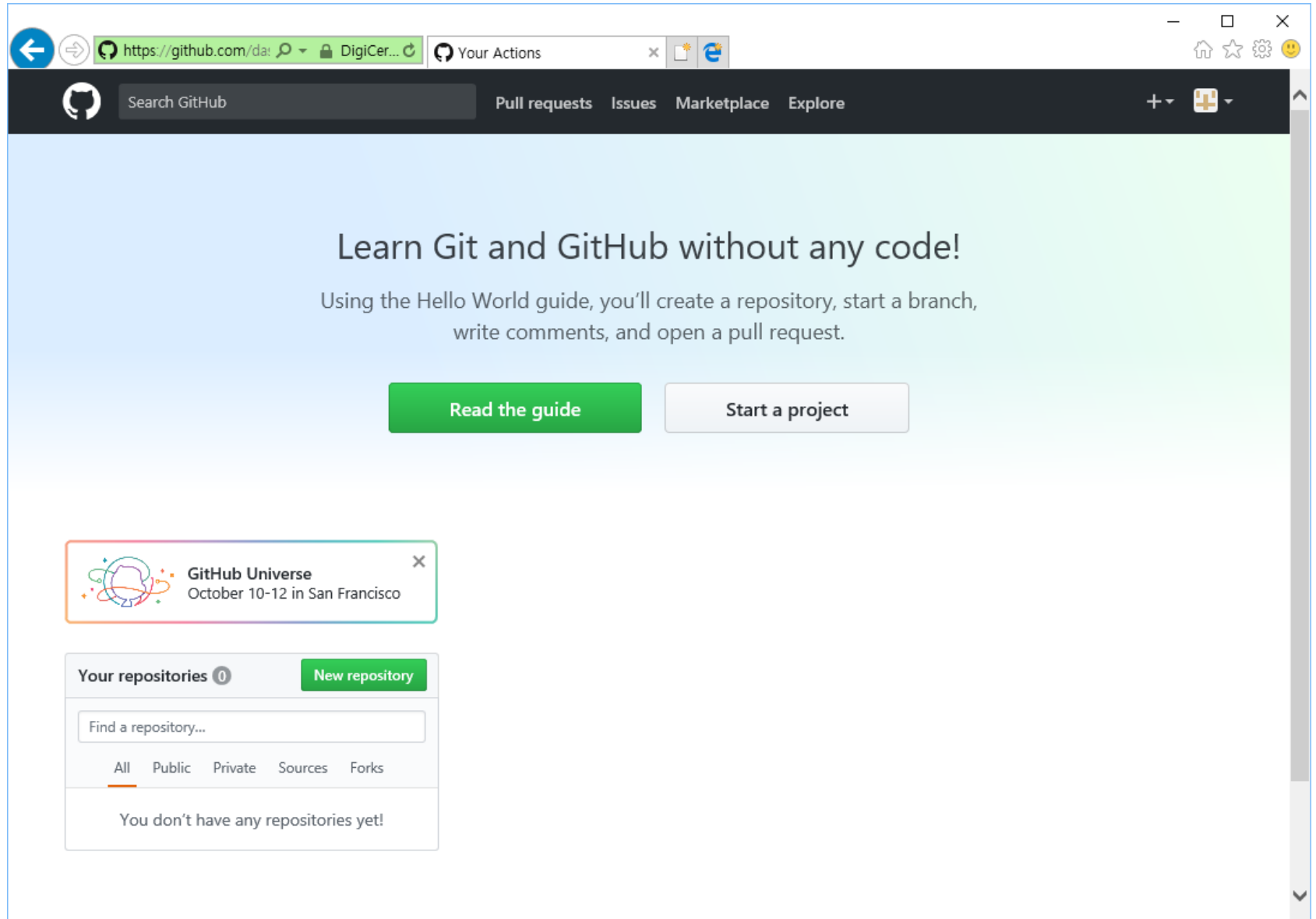
What are you interested in?

e.g. tutorials, android, ruby, web-development, machine-learning, open-source

Submit

[skip this step](#)

Github에 내 계정 만들기



The screenshot shows the GitHub homepage in a web browser. The browser's address bar displays the URL `https://github.com/da: DigiCer...` and the page title is "Your Actions". The GitHub navigation bar includes a search bar, "Pull requests", "Issues", "Marketplace", and "Explore". The main content area features a large green banner with the text "Learn Git and GitHub without any code!" and a subtext: "Using the Hello World guide, you'll create a repository, start a branch, write comments, and open a pull request." Below this are two buttons: "Read the guide" (green) and "Start a project" (light gray). A "GitHub Universe" event banner for October 10-12 in San Francisco is also visible. At the bottom, the "Your repositories" section shows a "New repository" button and a search bar. Below the search bar, tabs for "All", "Public", "Private", "Sources", and "Forks" are shown, with "All" selected. The message "You don't have any repositories yet!" is displayed.

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](#)

GitHub Universe
October 10-12 in San Francisco

Your repositories 0 [New repository](#)

Find a repository...

All Public Private Sources Forks

You don't have any repositories yet!