

git &
github



AI명예학회

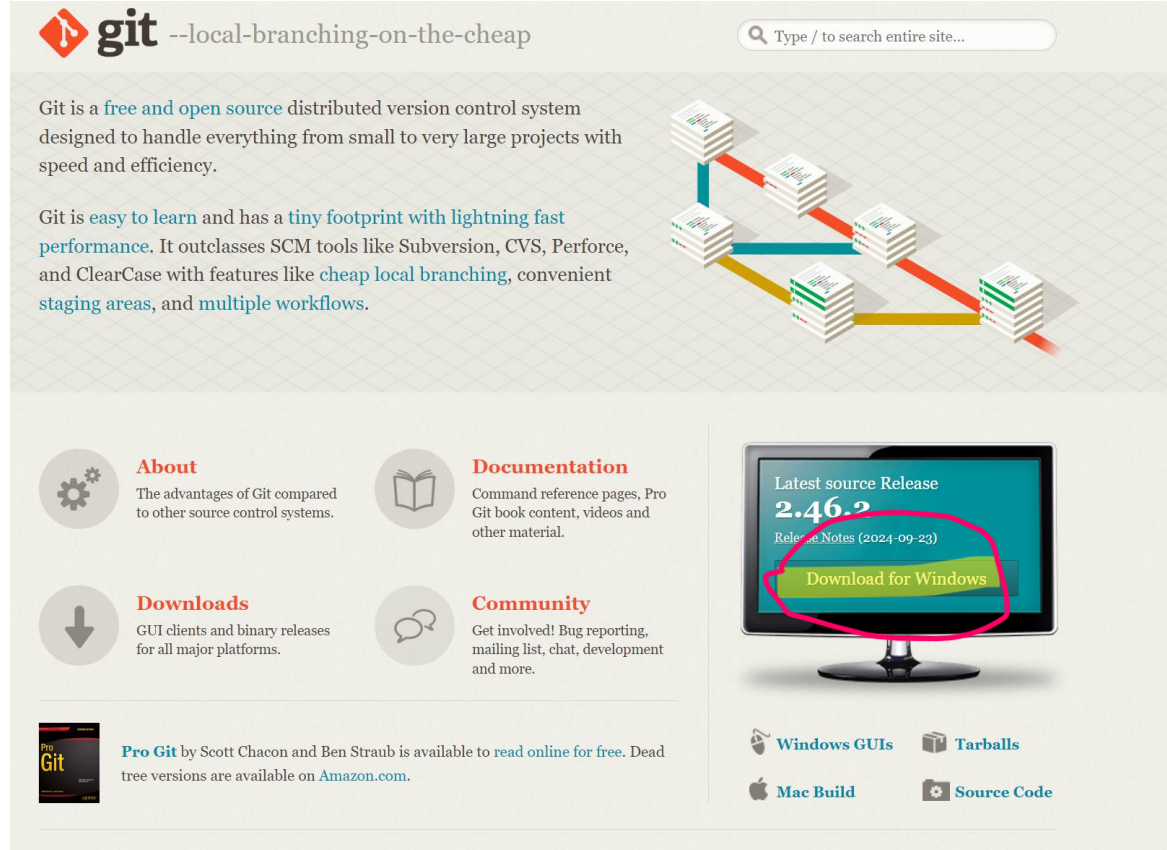
SKHU

github → 개발자들 협업 툴이자 가장 유명하고 거대한(그리고 무료인) Git 저장소

git → 리누스 토르발스가 개발한 버전관리 시스템

간단하게 이정도만 알고 넘어가자

github 계정은 만들어 오셨고,
그럼 git 설치를 해야겠죠?



The screenshot shows the Git website homepage. At the top, the Git logo is followed by the tagline "--local-branching-on-the-cheap". A search bar is on the right. The main content area describes Git as a "free and open source" distributed version control system and highlights its "easy to learn" nature and "tiny footprint with lightning fast performance". To the right is a diagram showing a branching model with multiple stacks of code connected by lines. Below this, four icons represent "About", "Documentation", "Downloads", and "Community". On the right, a monitor displays the "Latest source Release 2.46.2" with a "Download for Windows" button circled in red. At the bottom, there's a section for "Pro Git" and a list of download options: "Windows GUIs", "Tarballs", "Mac Build", and "Source Code".

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

Git is a **free and open source** distributed version control system designed to handle everything from small to very large projects with speed and efficiency.

Git is **easy to learn** and has a **tiny footprint with lightning fast performance**. It outclasses SCM tools like Subversion, CVS, Perforce, and ClearCase with features like **cheap local branching**, convenient staging areas, and **multiple workflows**.

About
The advantages of Git compared to other source control systems.

Documentation
Command reference pages, Pro Git book content, videos and other material.

Downloads
GUI clients and binary releases for all major platforms.

Community
Get involved! Bug reporting, mailing list, chat, development and more.

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

Latest source Release
2.46.2
Release Notes (2024-09-23)
Download for Windows


Windows GUIs **Tarballs**
Mac Build **Source Code**

**Git 설치를 완료했다면,
GitHub에 들어가서
Repository(원격 저장소)를 만들어
봅시다**

YehyeokBang

Overview **Repositories 29** Projects Packages Stars 20

Find a repository... Type - Language - Sort - **New**



Yehyeok Bang
YehyeokBang
방예혁입니다.
Edit profile
29 followers · 42 following

git_test2 Public
git 테스트
Java · Updated yesterday

BOJ_solved Public
Exercises for Algorithmic Problem solving skills
Java · Updated 2 days ago

git_test1 Public
git 경험 연습
Updated last week

YehyeokBang Public

Create a new repository

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

Required fields are marked with an asterisk (*).

Repository template

No template -

Start your repository with a template repository's contents.

Owner *

 YehyeokBang -

Repository name *

gdsc_git_test

gdsc_git_test is available.

Great repository names are short and memorable. Need inspiration? How about [solid-broccoli](#) ?

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:

☐ Add a README file

This is where you can write a long description for your project. [Learn more about READMEs.](#)

Add .gitignore


gitignore template: None -

Choose which files not to track from a list of templates. [Learn more about ignoring files.](#)


Choose a license


Sep 13, 2023, 9:45 AM GMT+9


A license tells others what they can and can't do with your code. [Learn more about licenses.](#)


 You are creating a public repository in your personal account.


Create repository


 **gdsc_git_test** Public

 Pin


 Watch 0

 Fork 0

 Star 0



Start coding with Codespaces
Add a README file and start coding in a secure, configurable, and dedicated development environment.
[Create a codespace](#)



Add collaborators to this repository
Search for people using their GitHub username or email address.
[Invite collaborators](#)

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

[Set up in Desktop](#) or [HTTPS](#) [SSH](#) https://github.com/YehyeokBang/gdsc_git_test.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 "# gdsc_git_test" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/YehyeokBang/gdsc_git_test.git
git push -u origin main
```

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


```
git remote add origin https://github.com/YehyeokBang/gdsc_git_test.git
git branch -M main
git push -u origin main
```

...or import code from another repository
You can initialize this repository with code from a Subversion, Mercurial, or TFS project.
[Import code](#)

Cmd를 켜 봅시다.

git config --global user.name 유저네임

git config --global user.email 깃허브 이메일 주소

여기까지가 내 깃허브 계정 접속 

git add . ==> 경로지정 한 local파일 전체 그냥 올리기.

git add 원하는 파일 ==> 원하는 파일만 add

git commit -m "커밋 메시지"

git push

git log ==> 깃허브 반영 내용 확인.

cd C:\Users\rch\Desktop\git_test ==> 내가 생성한 폴더 복붙해주고,

git clone https://github.com/Ryuchanghoon/git_test.git ==> 내 repository 주소 입력 후 clone. 내 local 폴더에 내용 생성.

cd C:\Users\rch\Desktop\git_test ==> 하위 폴더 어딘가에 파일 생성했다면 다시 경로지정.

내 local 폴더에 clone & 경로지정. 



본인이 생성한 repository에

안녕하세요. @@@ 이에요.

작성한 txt파일

commit 후 push

하고 나면 손 들어 주세요~

Fork GitHub는 Repository를 복제할 수 있다

clone 과 fork가 있다

Clone은 내 로컬 환경으로 Repository를 복제한다.

프로젝트를 수정하고 커밋 푸시하면 바로 적용된다

물론 해당 Repository에 권한이 있어야 한다

쉽게 말해 local 에서만 적용이 된다

**fork는 다른사람이나 어느 그룹에 존재하는
Repository를 나의 Repository로 복제한다 이걸
로컬환경에서 작업하려면 나의Repository에서
clone을 해야한다**

이때 Pull Requests 기능을 사용한다

먼저PR 기능을 쉽게말하면

“내가 당신의 코드를 개선했어요 한번 봐주세요”

제꺼 포크하고

repository를 클론해봅시다.

동일하게 txt파일 생성.

커밋 후 푸시 한 다음 PR 보내주세요