

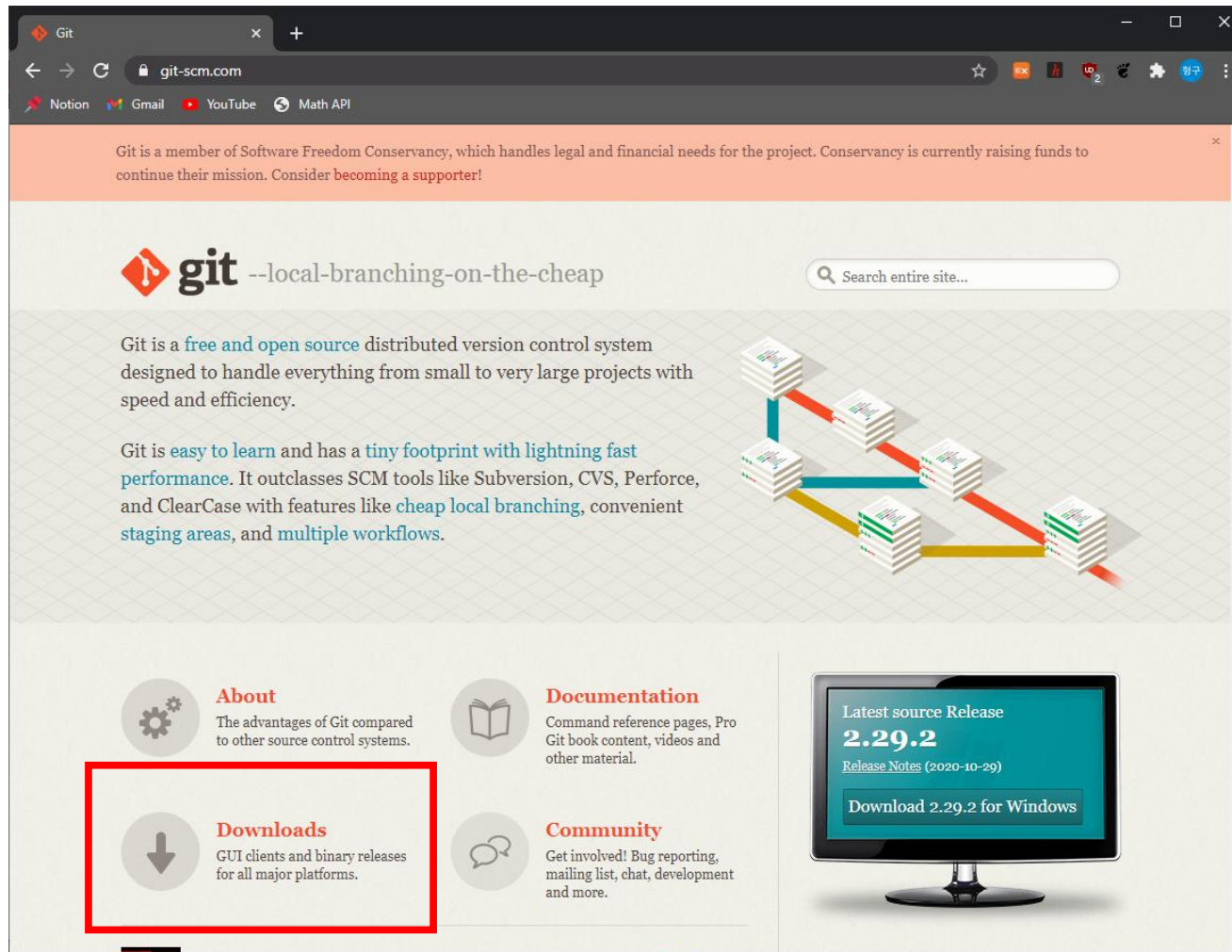
Git, GitHub



Install Git

Git 설치방법

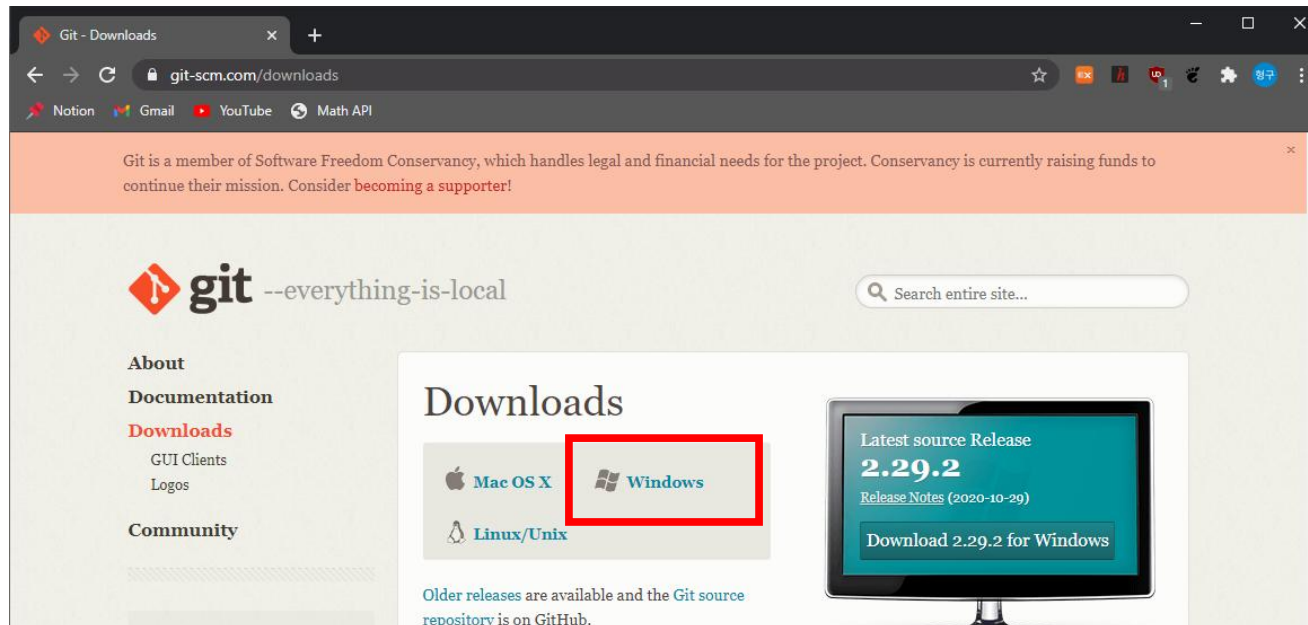
Git 공식 홈페이지를 방문 하여 설치 파일 다운로드 <https://git-scm.com/>



Install Git

Git 설치방법

Windows 클릭



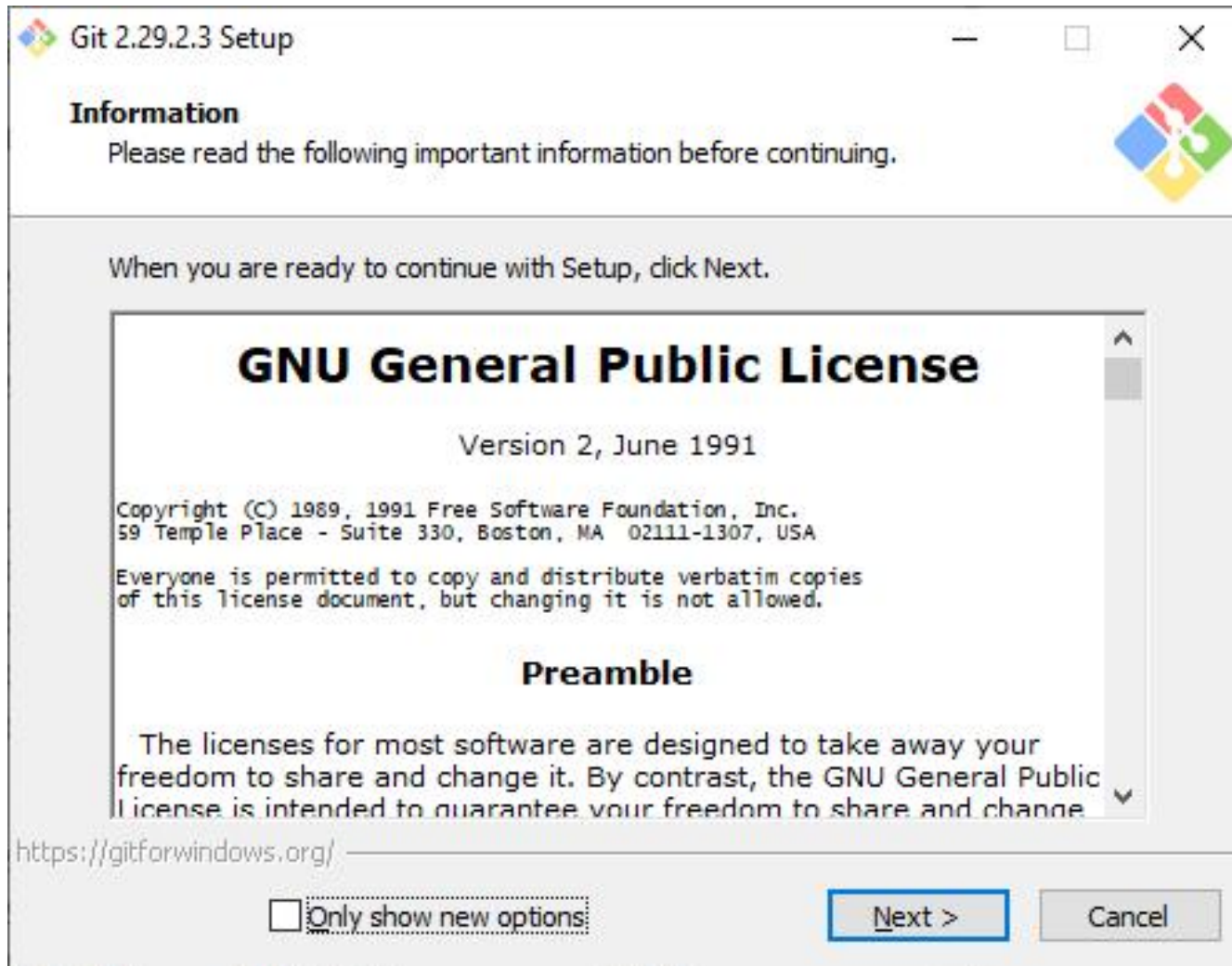
Mac의 경우 Terminal에서 homebrew를 이용하여 설치

```
brew install git
```



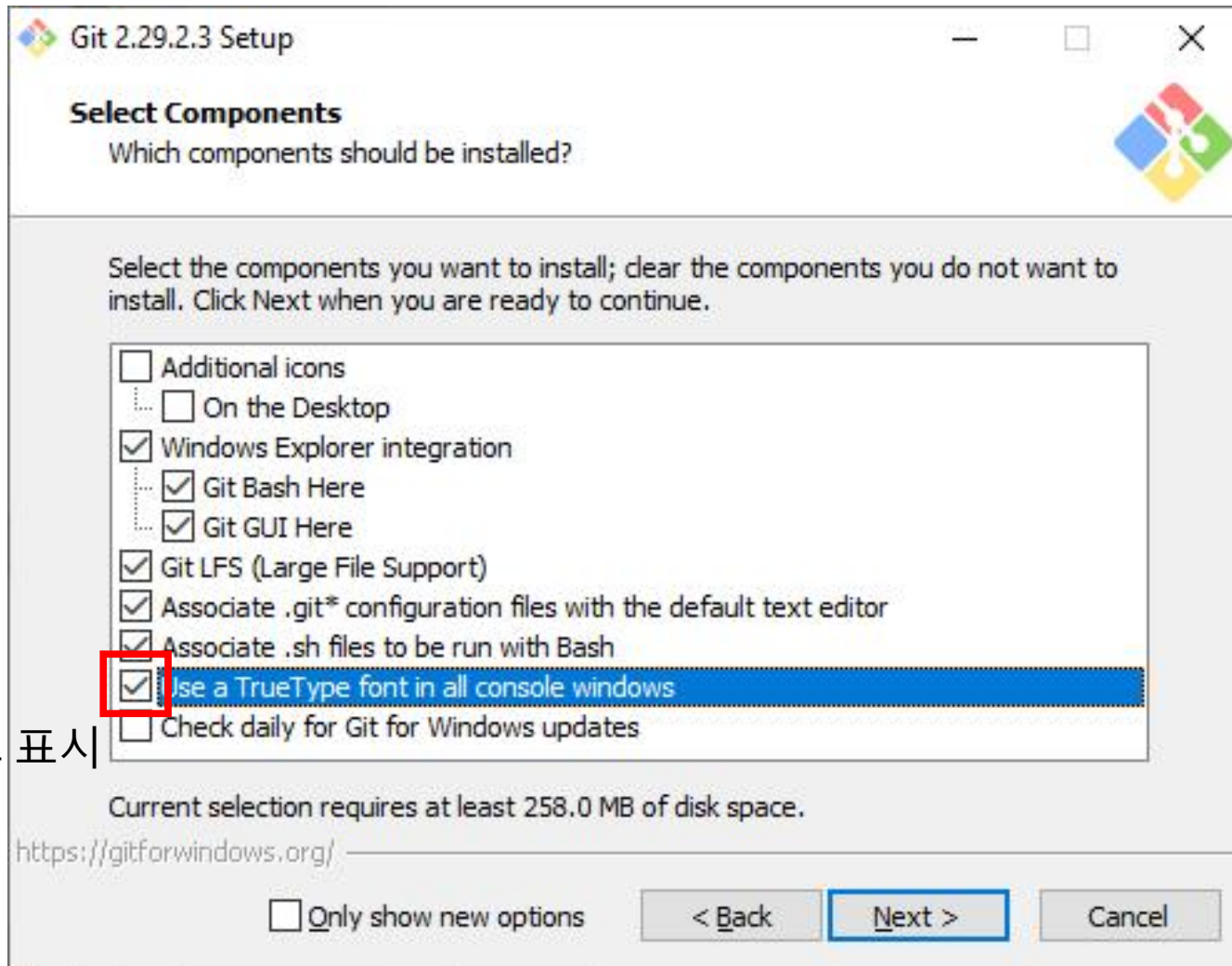
Install Git

Git 설치방법



Install Git

Git 설치방법

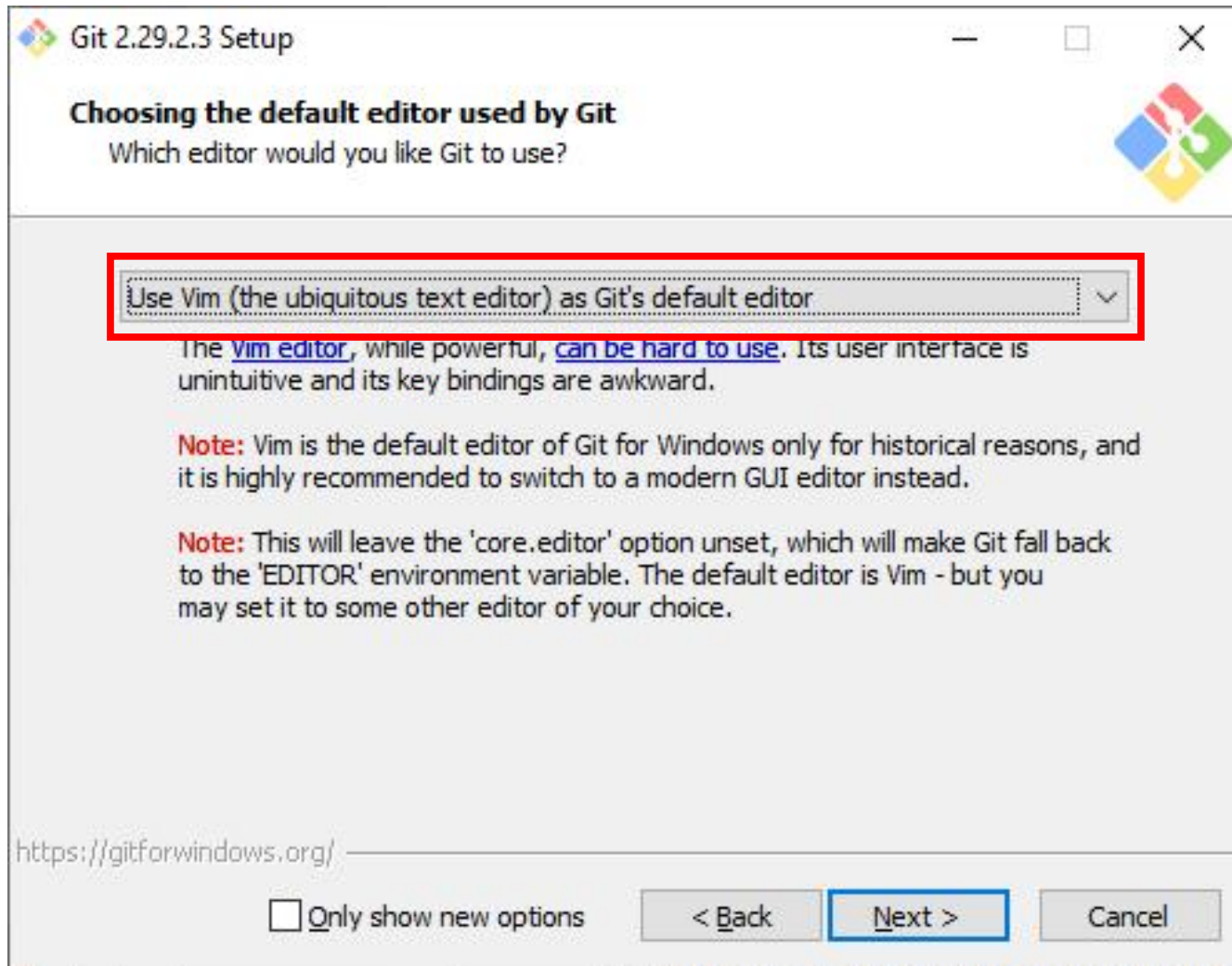


체크 표시



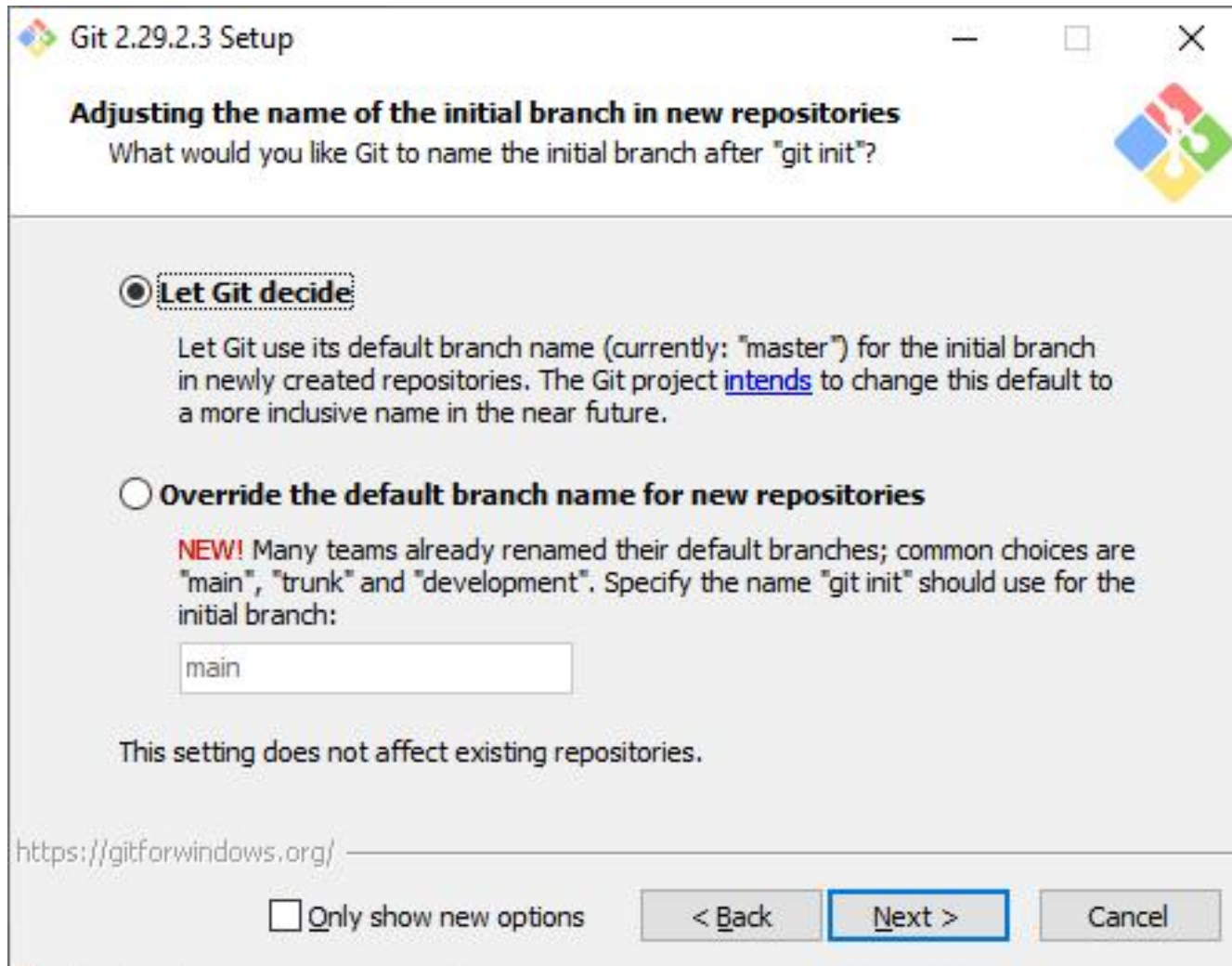
Install Git

Git 설치방법



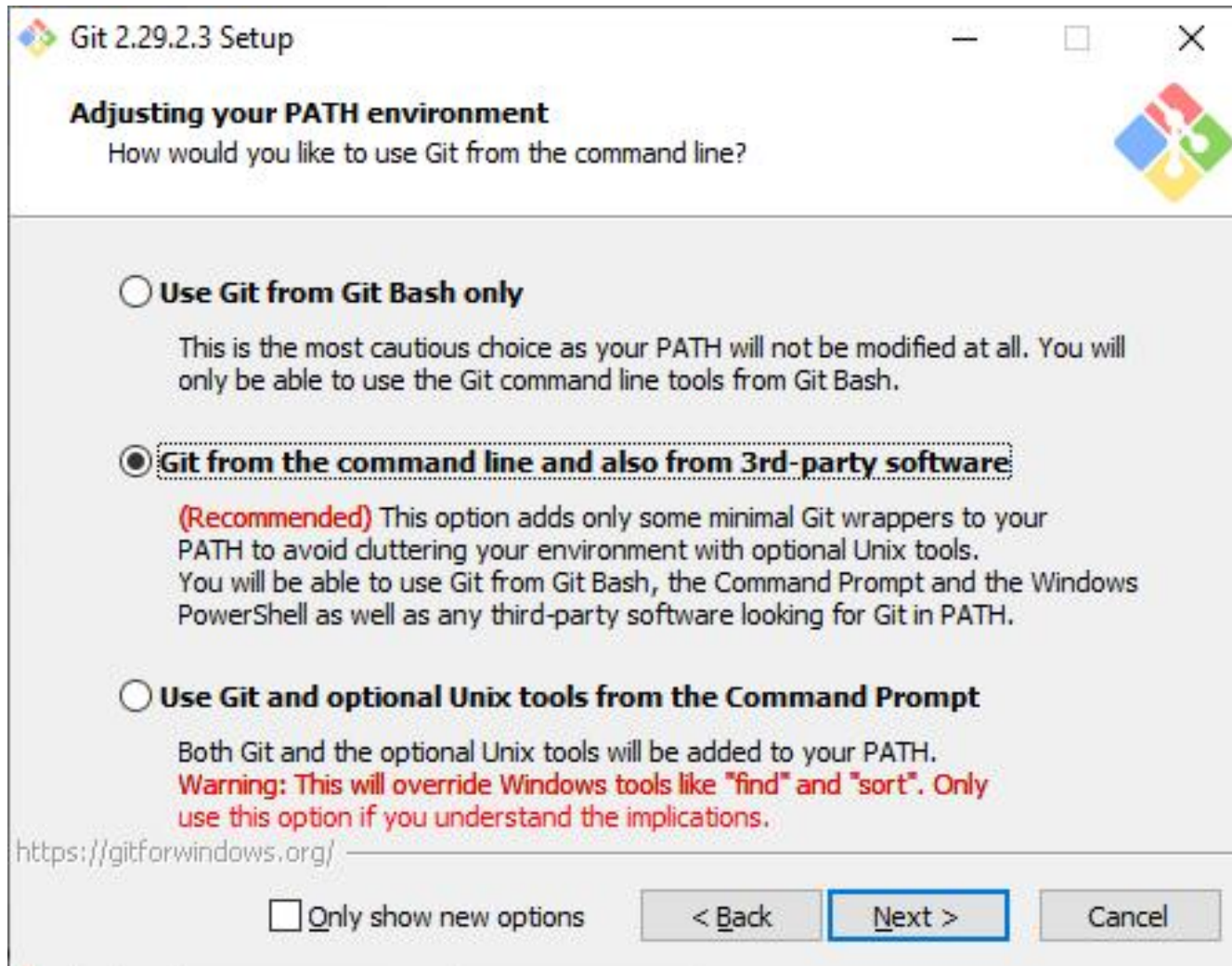
Install Git

Git 설치방법



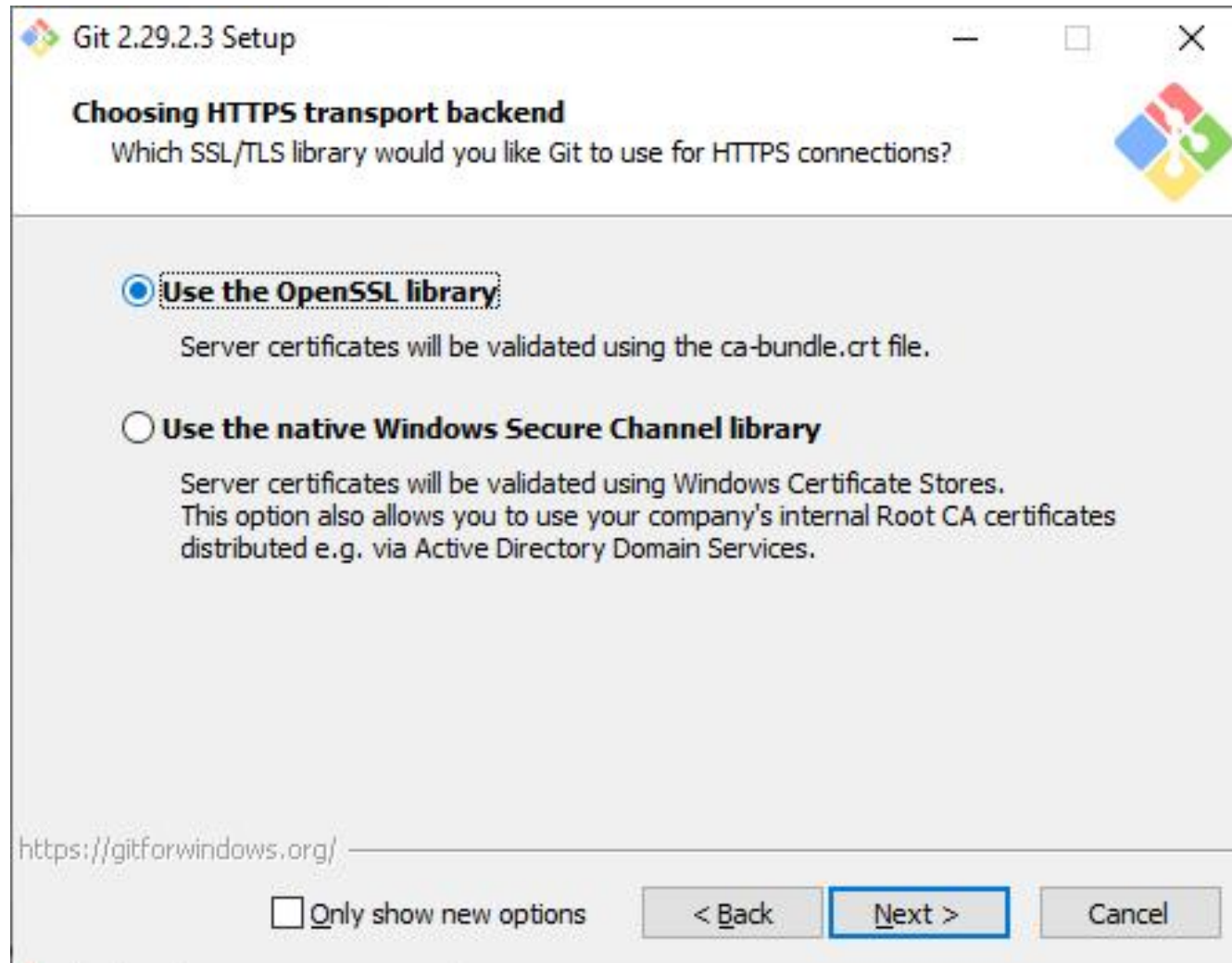
Install Git

Git 설치방법



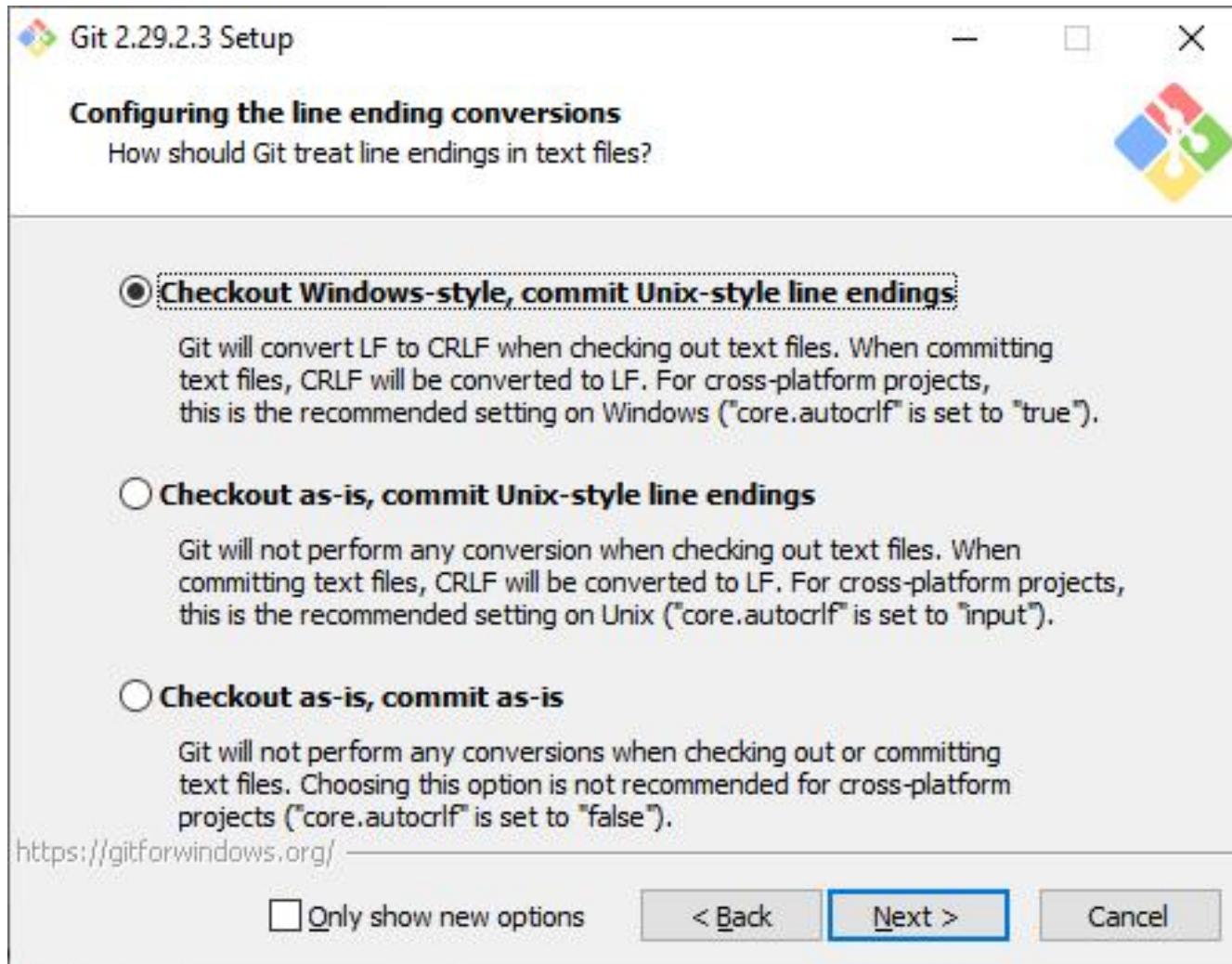
Install Git

Git 설치방법



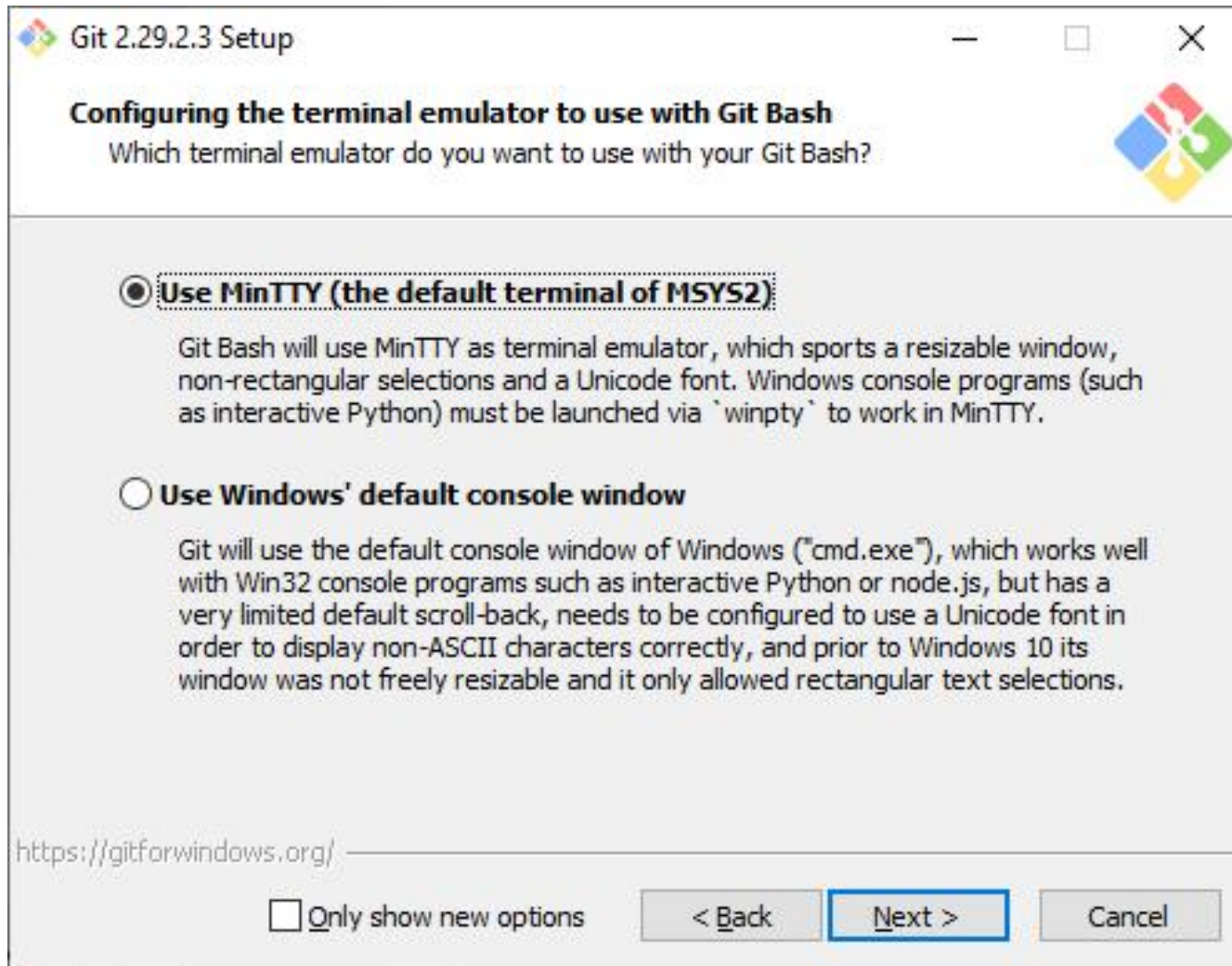
Install Git

Git 설치방법



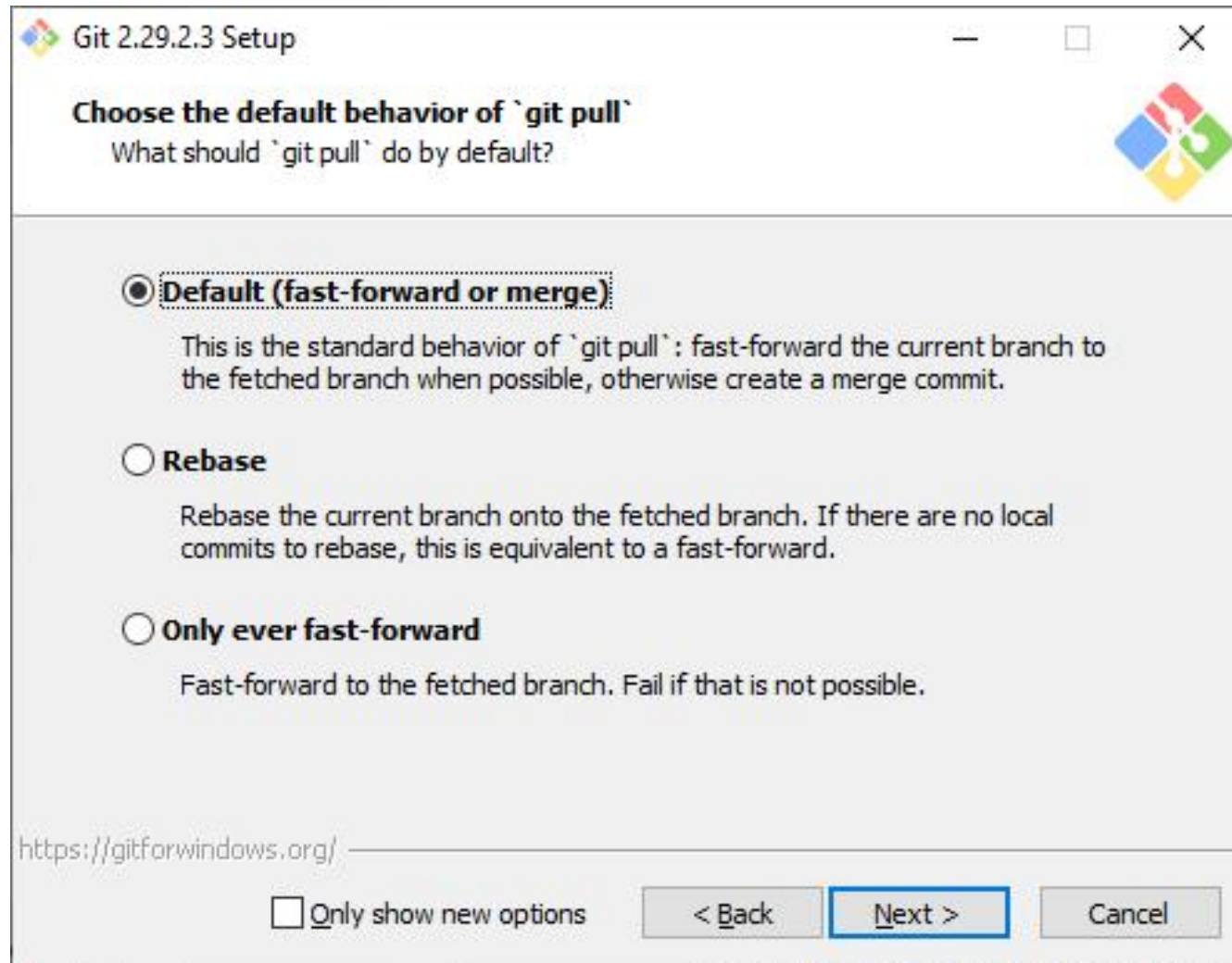
Install Git

Git 설치방법



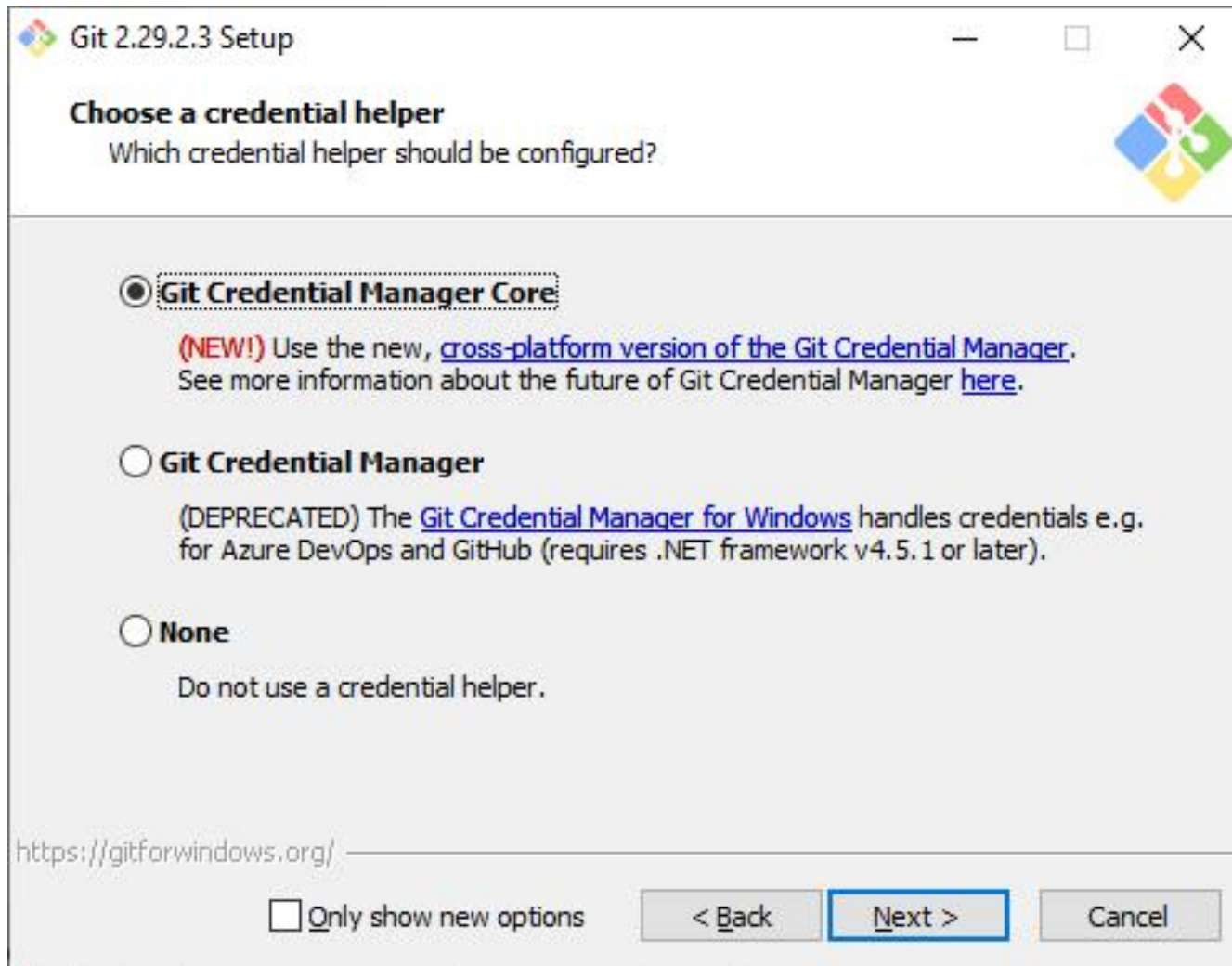
Install Git

Git 설치방법



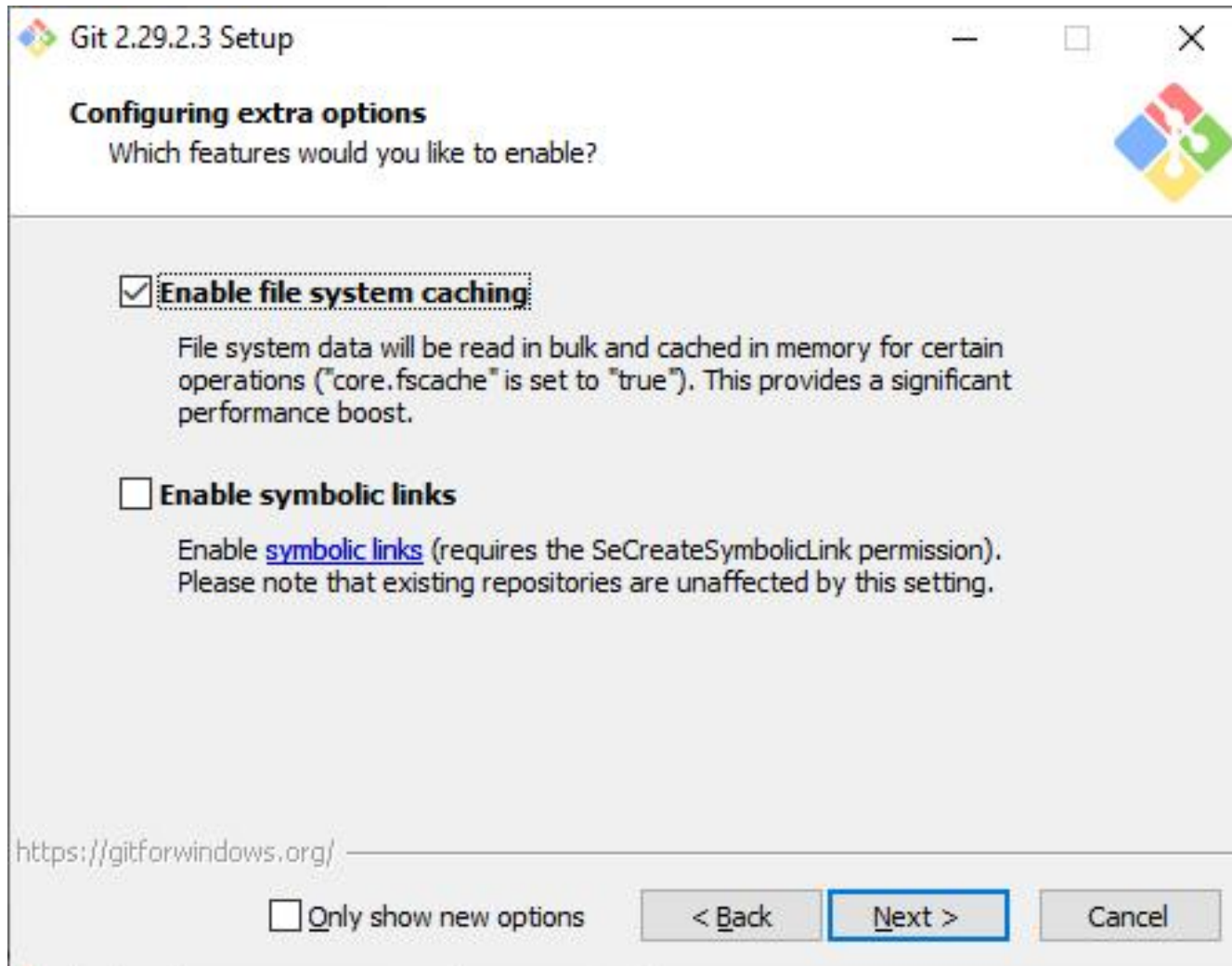
Install Git

Git 설치방법



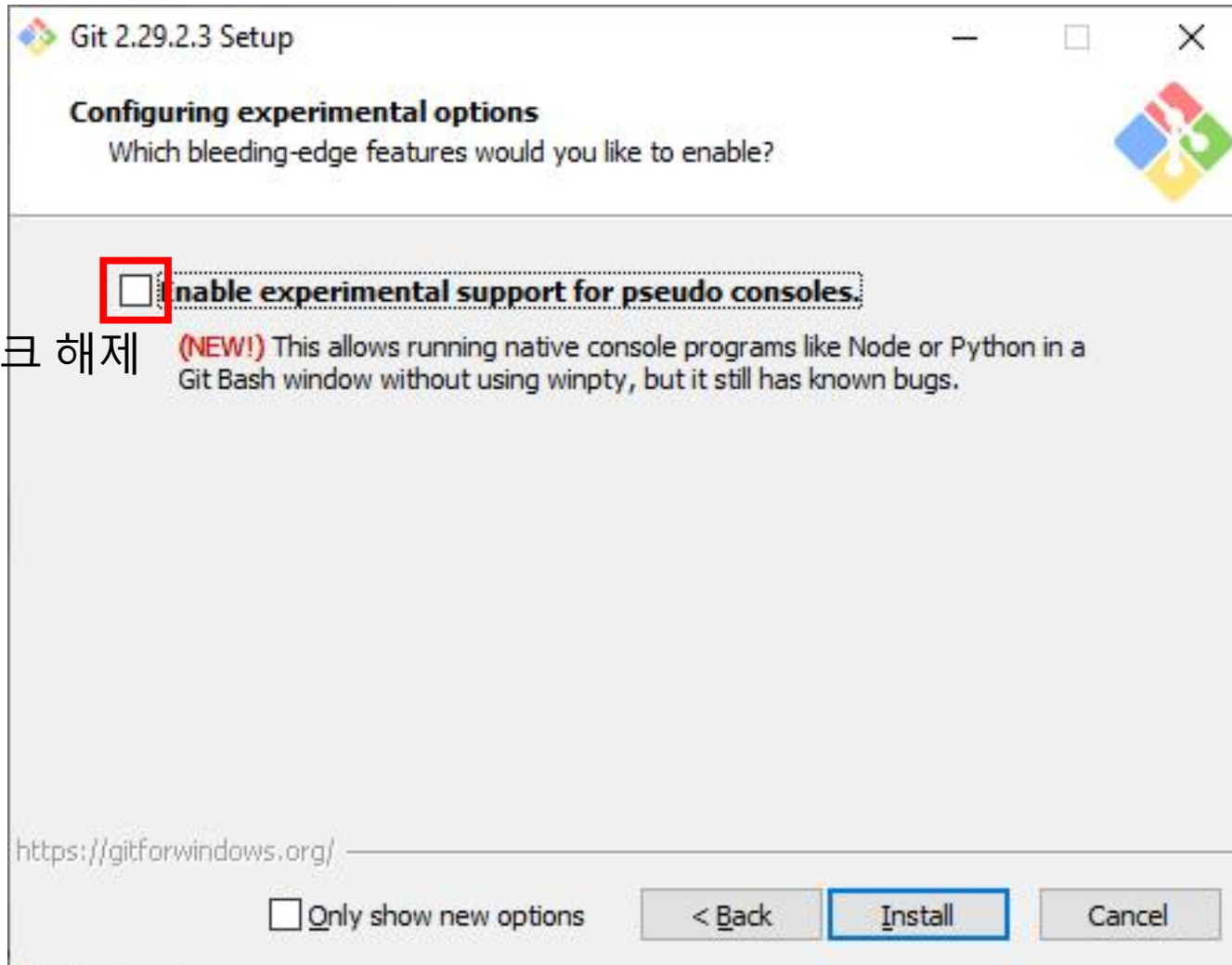
Install Git

Git 설치방법



Install Git

Git 설치방법

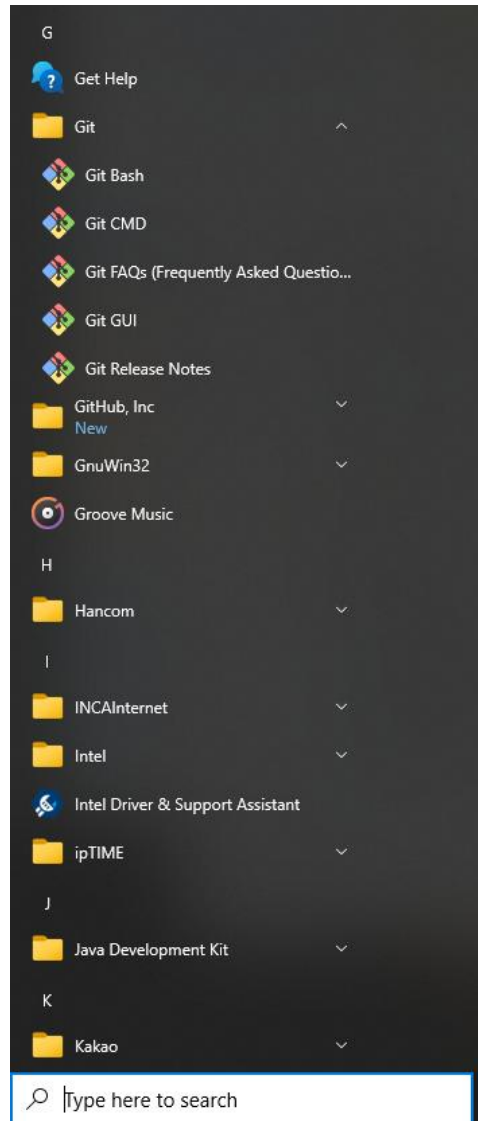


체크 해제



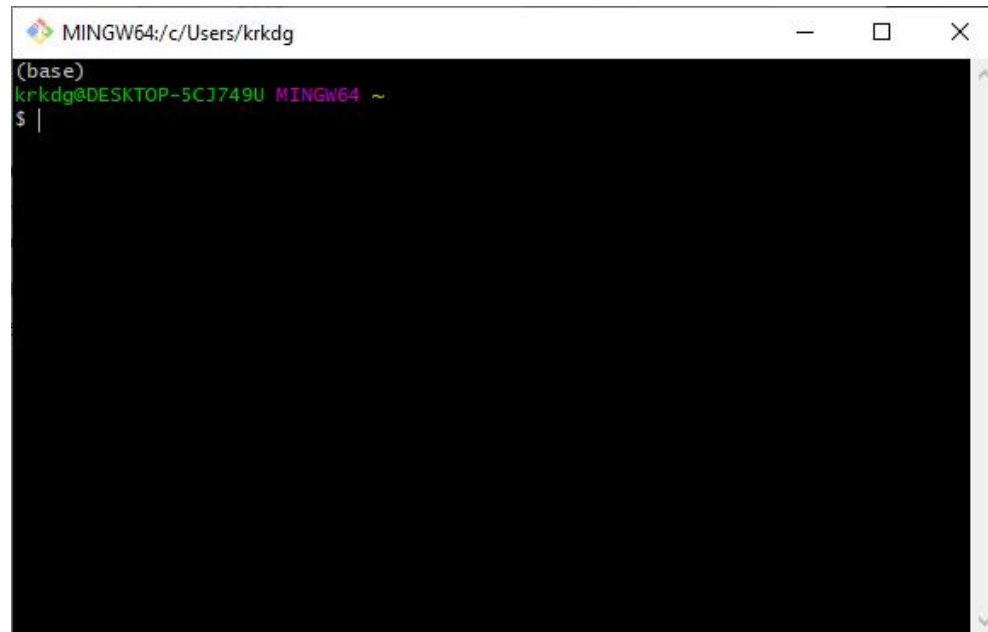
Install Git

Git 설치방법



시작메뉴에서 Git가 설치 된 것을 확인.

Git Bash를 실행.



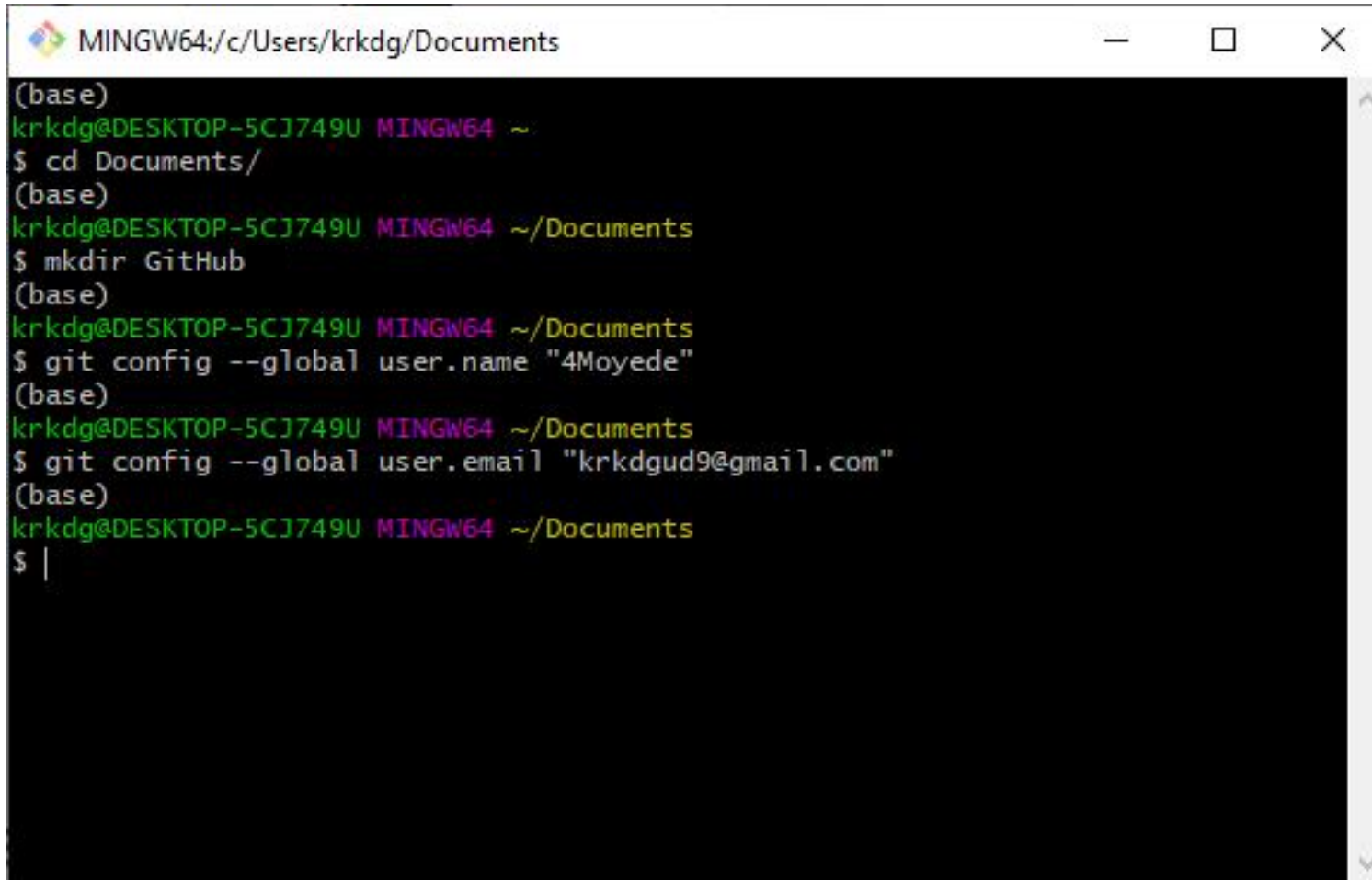
Windows는 Git Bash에서 MacOS는 terminal로 진행



How to use Git

Git 사용방법

Documents에 GitHub 폴더 생성, Git에 이름과 이메일 설정



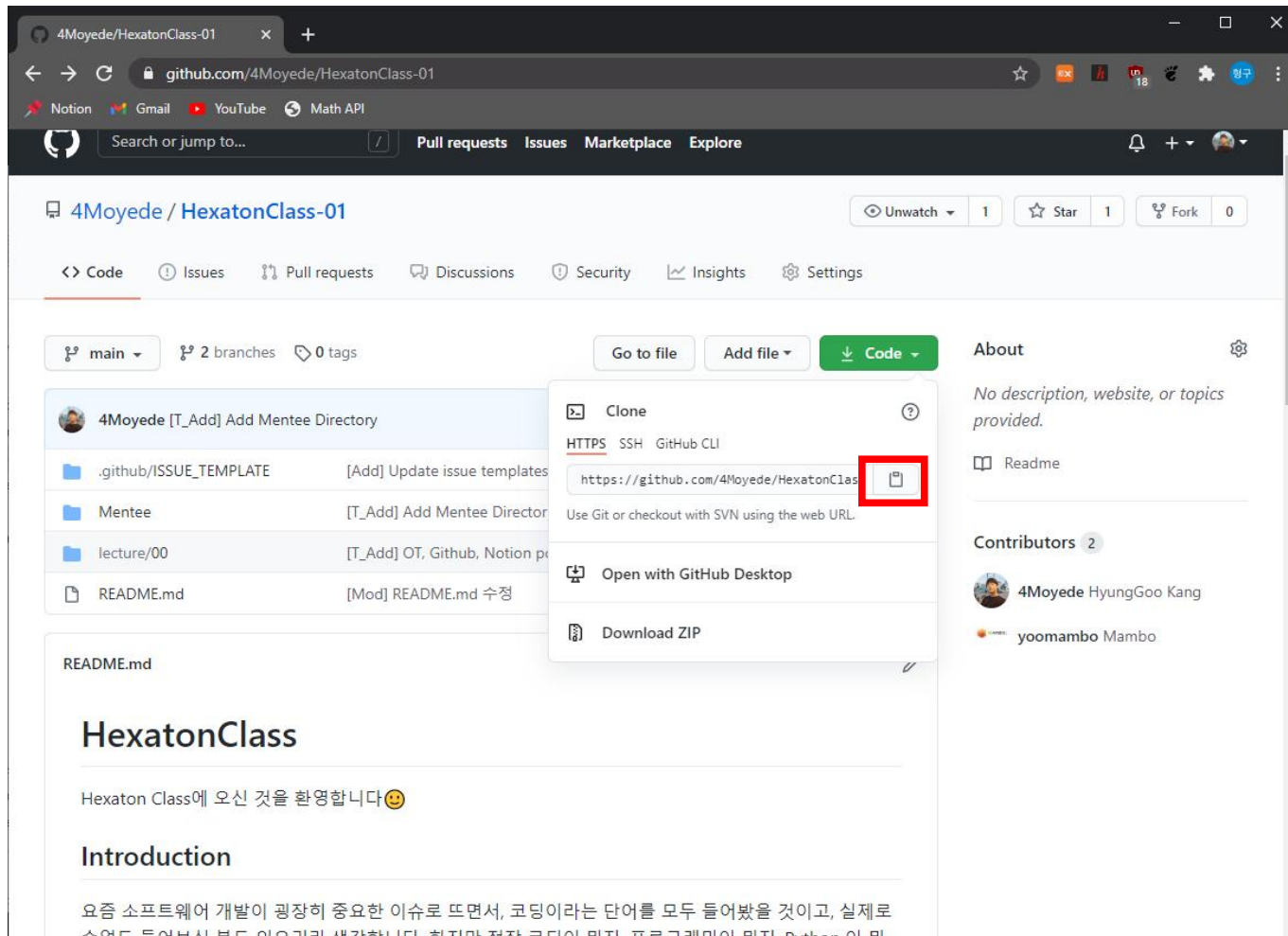
```
MINGW64:/c/Users/krkdg/Documents
(base)
krkdg@DESKTOP-5CJ749U MINGW64 ~
$ cd Documents/
(base)
krkdg@DESKTOP-5CJ749U MINGW64 ~/Documents
$ mkdir GitHub
(base)
krkdg@DESKTOP-5CJ749U MINGW64 ~/Documents
$ git config --global user.name "4Moyede"
(base)
krkdg@DESKTOP-5CJ749U MINGW64 ~/Documents
$ git config --global user.email "krkdgud9@gmail.com"
(base)
krkdg@DESKTOP-5CJ749U MINGW64 ~/Documents
$ |
```



How to use Git

Git 사용방법

수업용 GitHub 홈페이지 <https://github.com/4Moyede/HexatonClass-01> 의 git 주소 복사



The screenshot shows the GitHub repository page for `4Moyede/HexatonClass-01`. The repository has 2 branches and 0 tags. The file list includes `.github/ISSUE_TEMPLATE`, `Mentee`, `lecture/00`, and `README.md`. The `README.md` file is selected, and its content is displayed below. The content includes the title `HexatonClass` and a welcome message in Korean. The `Code` button is highlighted with a red box, and a dropdown menu is open showing options: `Clone` (with sub-options `HTTPS`, `SSH`, `GitHub CLI`), `Open with GitHub Desktop`, and `Download ZIP`. The repository description is `No description, website, or topics provided.` The contributors list includes `4Moyede HyungGoo Kang` and `yoomambo Mambo`.



How to use Git

Git 사용방법

Hexaton GitHub Repository clone

```
MINGW64:/c/Users/krkdg/Documents/GitHub/HexatonClass-01/Mentee
(base)
krkdg@DESKTOP-5CJ749U MINGW64 ~/Documents
$ cd GitHub/
(base)
krkdg@DESKTOP-5CJ749U MINGW64 ~/Documents/GitHub
$ git clone https://github.com/4Moyede/HexatonClass-01.git
Cloning into 'HexatonClass-01'...
remote: Enumerating objects: 23, done.
remote: Counting objects: 100% (23/23), done.
remote: Compressing objects: 100% (16/16), done.
remote: Total 23 (delta 1), reused 13 (delta 0), pack-reused 0
Unpacking objects: 100% (23/23), 3.32 MiB | 2.61 MiB/s, done.
(base)
krkdg@DESKTOP-5CJ749U MINGW64 ~/Documents/GitHub
$ cd HexatonClass-01/
(base)
krkdg@DESKTOP-5CJ749U MINGW64 ~/Documents/GitHub/HexatonClass-01 (main)
$ cd Mentee/
(base)
krkdg@DESKTOP-5CJ749U MINGW64 ~/Documents/GitHub/HexatonClass-01/Mentee (main)
$
```



How to use Git

Git 사용방법

Branch 이동 및 Mentee 내부에 폴더 생성, Branch 이름은 S_이름 이니셜, 폴더 이름은 풀네임 이니셜

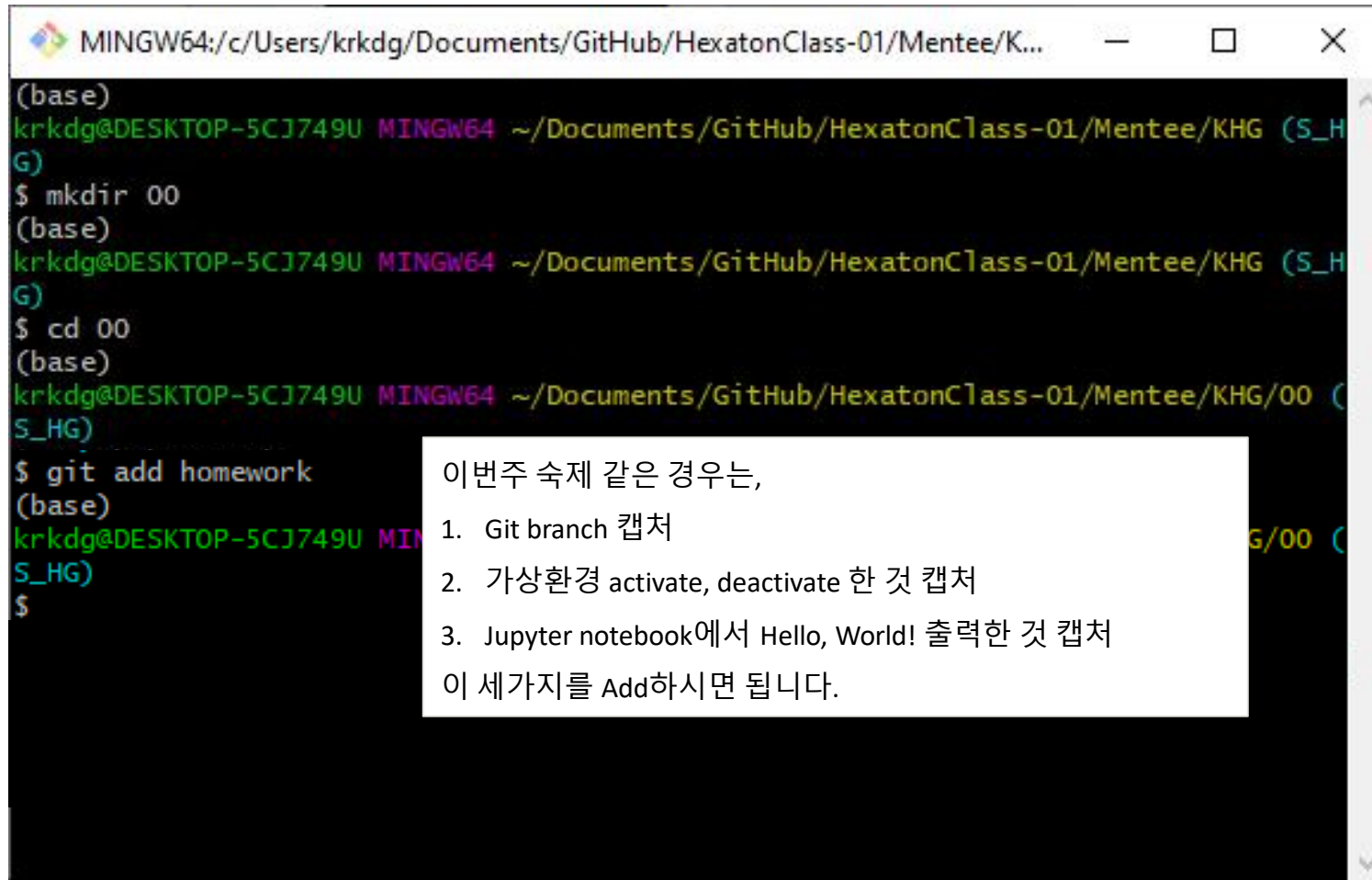
```
MINGW64:/c/Users/krkdg/Documents/GitHub/HexatonClass-01/Mentee/K...
(base)
krkdg@DESKTOP-5CJ749U MINGW64 ~/Documents/GitHub/HexatonClass-01/Mentee (main)
$ git checkout -b S_HG
Switched to a new branch 'S_HG'
(base)
krkdg@DESKTOP-5CJ749U MINGW64 ~/Documents/GitHub/HexatonClass-01/Mentee (S_HG)
$ mkdir KHG
(base)
krkdg@DESKTOP-5CJ749U MINGW64 ~/Documents/GitHub/HexatonClass-01/Mentee (S_HG)
$ ls
KHG/
(base)
krkdg@DESKTOP-5CJ749U MINGW64 ~/Documents/GitHub/HexatonClass-01/Mentee (S_HG)
$ cd KHG/
(base)
krkdg@DESKTOP-5CJ749U MINGW64 ~/Documents/GitHub/HexatonClass-01/Mentee/KHG (S_HG)
$ |
```



How to use Git

Git 사용방법

Homework 파일 이번 수업의 Lecture 번호인 '00' 폴더에 이동 및 git add



```
MINGW64:/c/Users/krkdg/Documents/GitHub/HexatonClass-01/Mentee/K...
(base)
krkdg@DESKTOP-5CJ749U MINGW64 ~/Documents/GitHub/HexatonClass-01/Mentee/KHG (S_H
G)
$ mkdir 00
(base)
krkdg@DESKTOP-5CJ749U MINGW64 ~/Documents/GitHub/HexatonClass-01/Mentee/KHG (S_H
G)
$ cd 00
(base)
krkdg@DESKTOP-5CJ749U MINGW64 ~/Documents/GitHub/HexatonClass-01/Mentee/KHG/00 (
S_HG)
$ git add homework
(base)
krkdg@DESKTOP-5CJ749U MINGW64 ~/Documents/GitHub/HexatonClass-01/Mentee/KHG/00 (
S_HG)
$
```

이번주 숙제 같은 경우는,

1. Git branch 캡처
2. 가상환경 activate, deactivate 한 것 캡처
3. Jupyter notebook에서 Hello, World! 출력한 것 캡처

이 세가지를 Add하시면 됩니다.

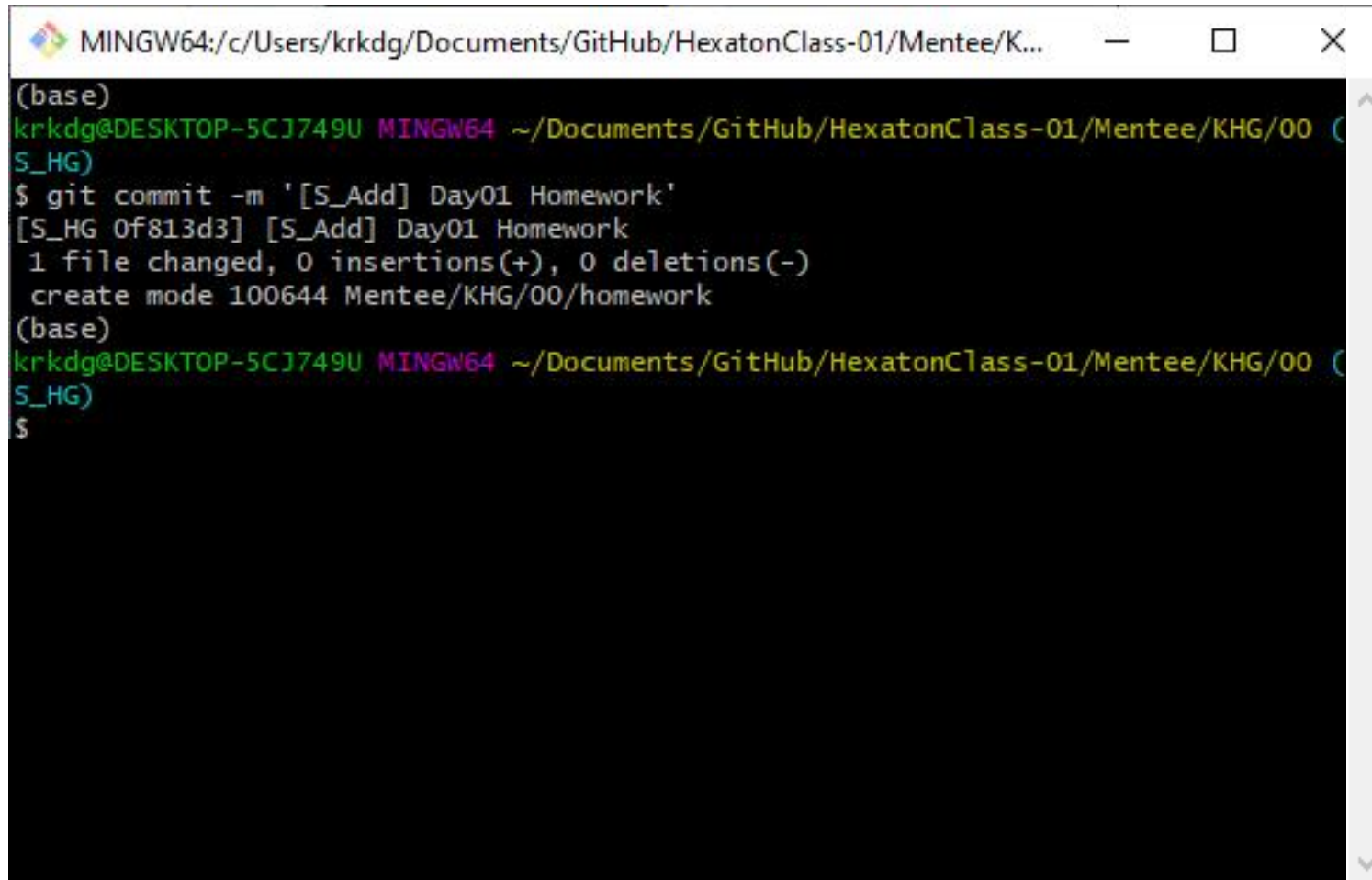


How to use Git

Git 사용방법

Git Commit은 이 전 commit 부터 지금까지 add한 모든 파일을 대상으로 message 작성

Commit message는 '[S_Add] Day01 Homework'



```
MINGW64:/c/Users/krkdg/Documents/GitHub/HexatonClass-01/Mentee/K...
(base)
krkdg@DESKTOP-5CJ749U MINGW64 ~/Documents/GitHub/HexatonClass-01/Mentee/KHG/00 (S_HG)
$ git commit -m '[S_Add] Day01 Homework'
[S_HG 0f813d3] [S_Add] Day01 Homework
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Mentee/KHG/00/homework
(base)
krkdg@DESKTOP-5CJ749U MINGW64 ~/Documents/GitHub/HexatonClass-01/Mentee/KHG/00 (S_HG)
$
```



How to use Git













Git 사용방법

Commit 메시지 중, [S_Add]는 **Label**

이 Commit이 어떤 종류인지 알아보기 쉽게 하기 위한 것

1. 파일을 추가할 때는 **Add**
2. 파일을 수정하였을 때는 Refactoring의 뜻의 **Ref**
3. 파일을 삭제하였을 때는 **Del**

앞의 **S**는 Student를 의미, 멘토의 경우 **T**를 사용할 예정.

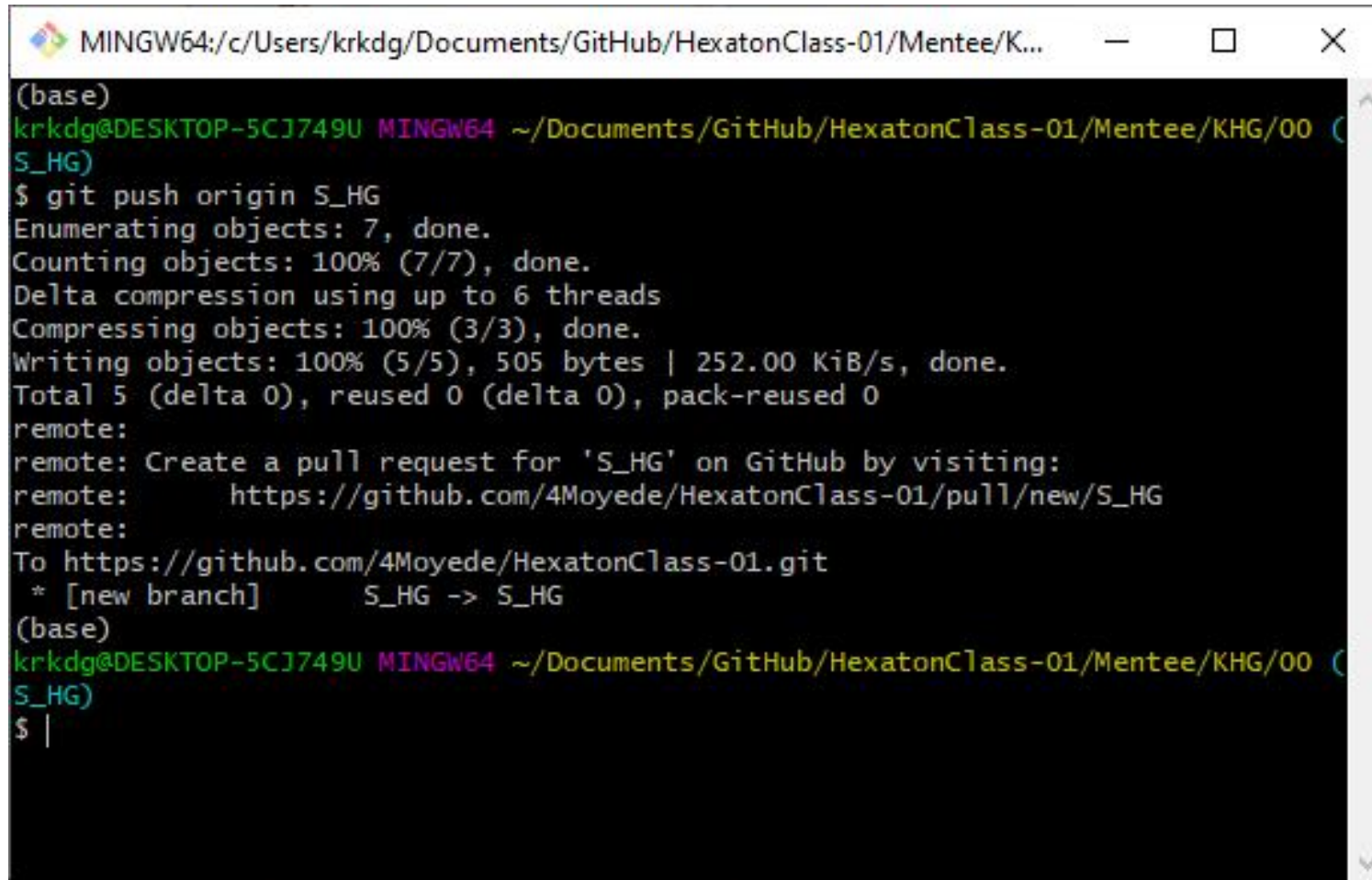
[M_Add] Feedback.md, etc.md using commit's TEMPLATE yoomambo committed 41 minutes ago ✓	 18b480e	
[M_Ref] Change troubleshooting.md's contents yoomambo committed 42 minutes ago	 c3c7e9a	
[T_Add] Add Mentee Directory 4Moyede committed 3 hours ago	 35c2535	
Merge pull request #9 from 4Moyede/M_lecture ... 4Moyede committed 3 hours ago	Verified  255d4cb	
[T_Add] OT, Github, Notion pdf file yoomambo committed 4 hours ago ✓	 cdfdf5e	
[Mod] README.md 수정 4Moyede committed 6 hours ago	 d698200	



How to use Git

Git 사용방법

Origin으로 등록된 Remote Repository의 본인 Branch로 push



```
MINGW64:/c/Users/krkdg/Documents/GitHub/HexatonClass-01/Mentee/K...
(base)
krkdg@DESKTOP-5CJ749U MINGW64 ~/Documents/GitHub/HexatonClass-01/Mentee/KHG/00 (S_HG)
$ git push origin S_HG
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 6 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (5/5), 505 bytes | 252.00 KiB/s, done.
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'S_HG' on GitHub by visiting:
remote:   https://github.com/4Moyede/HexatonClass-01/pull/new/S_HG
remote:
To https://github.com/4Moyede/HexatonClass-01.git
 * [new branch]      S_HG -> S_HG
(base)
krkdg@DESKTOP-5CJ749U MINGW64 ~/Documents/GitHub/HexatonClass-01/Mentee/KHG/00 (S_HG)
$ |
```



How to use Git

Git 사용방법

GitHub에서 Compare & Pull Request 클릭

The screenshot shows the GitHub interface for the repository `4Moyede/HexatonClass-01`. The browser address bar shows `github.com/4Moyede/HexatonClass-01`. The repository page includes a navigation bar with links for `Code`, `Issues`, `Pull requests`, `Discussions`, `Security`, `Insights`, and `Settings`. A yellow notification bar at the top states: `S_HG had recent pushes less than a minute ago`. A green button labeled `Compare & pull request` is highlighted with a red rectangular box. Below the notification bar, the repository details show `main` branch, `2 branches`, and `0 tags`. A table of recent commits is displayed:

Commit	Author	Message	Time
35c2535	4Moyede [T_Add]	Add Mentee Directory	2 hours ago
		[Add] Update issue templates	6 days ago
		[T_Add] Add Mentee Directory	2 hours ago
		[T_Add] OT, Github, Notion pdf file	3 hours ago
		[Mod] README.md 수정	5 hours ago

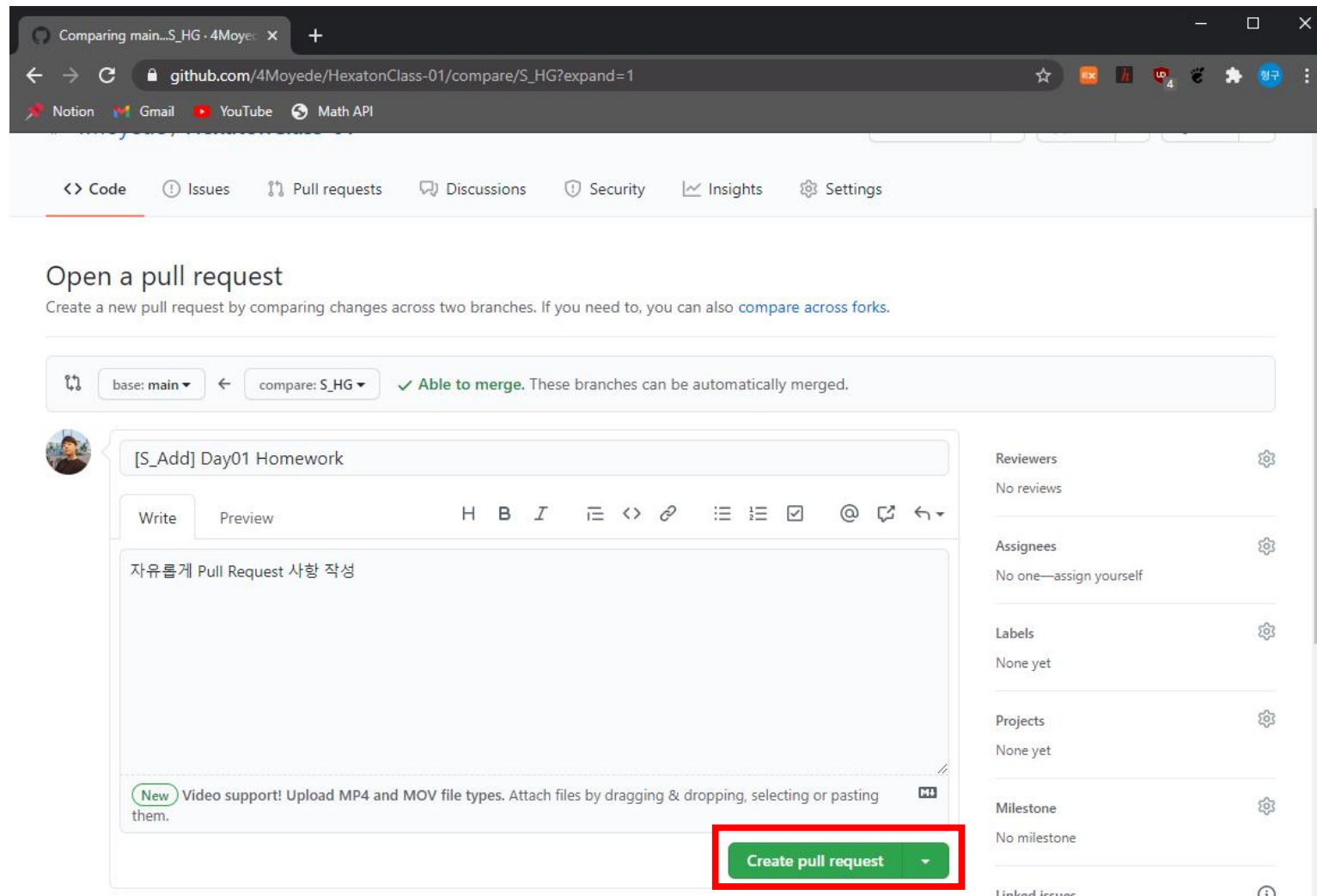
The README section shows the repository name `HexatonClass`. On the right side, the `About` section states: `No description, website, or topics provided.` The `Contributors` section lists `4Moyede HyungGoo Kang` and `yoomambo Mambo`.



How to use Git

Git 사용방법

GitHub에서 Compare & Pull Request 클릭



Comparing main...S_HG · 4Moyede

github.com/4Moyede/HexatonClass-01/compare/S_HG?expand=1

Code Issues Pull requests Discussions Security Insights Settings

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).

base: main ← compare: S_HG ✓ Able to merge. These branches can be automatically merged.

[S_Add] Day01 Homework

Write Preview H B I

자유롭게 Pull Request 사항 작성

New Video support! Upload MP4 and MOV file types. Attach files by dragging & dropping, selecting or pasting them.

Reviewers
No reviews

Assignees
No one—assign yourself

Labels
None yet

Projects
None yet

Milestone
No milestone

Linked issues

Create pull request

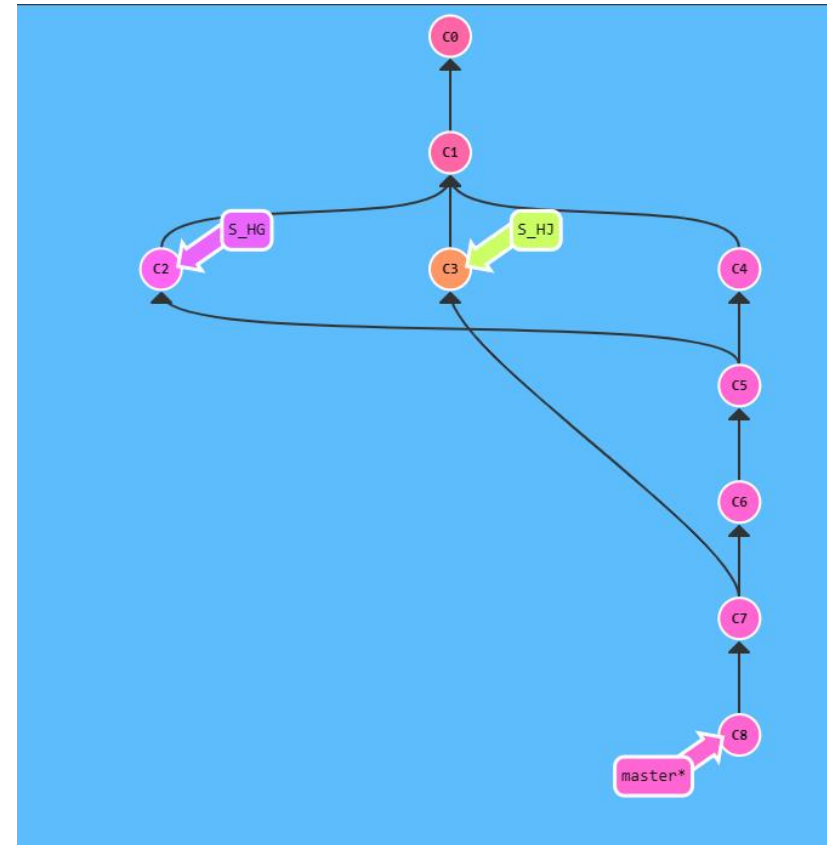
Git Practice

Git command 연습

<https://learngitbranching.js.org/?locale=ko>

Git의 branch가 어떻게 움직이고 변화하는지 눈으로 보고 이해할 수 있도록 도와주는 교육용 웹 페이지
git checkout, git commit, git merge
세 가지 명령어를 직접 입력하여 오른쪽과 같은 상태를 만들어서 캡처하여 제출.

안내 메시지가 나올 때에, esc를 두 번 누르면 특정 레벨의 연습 문제가 아닌, 자유로운 샌드박스 모드 시작.





The End