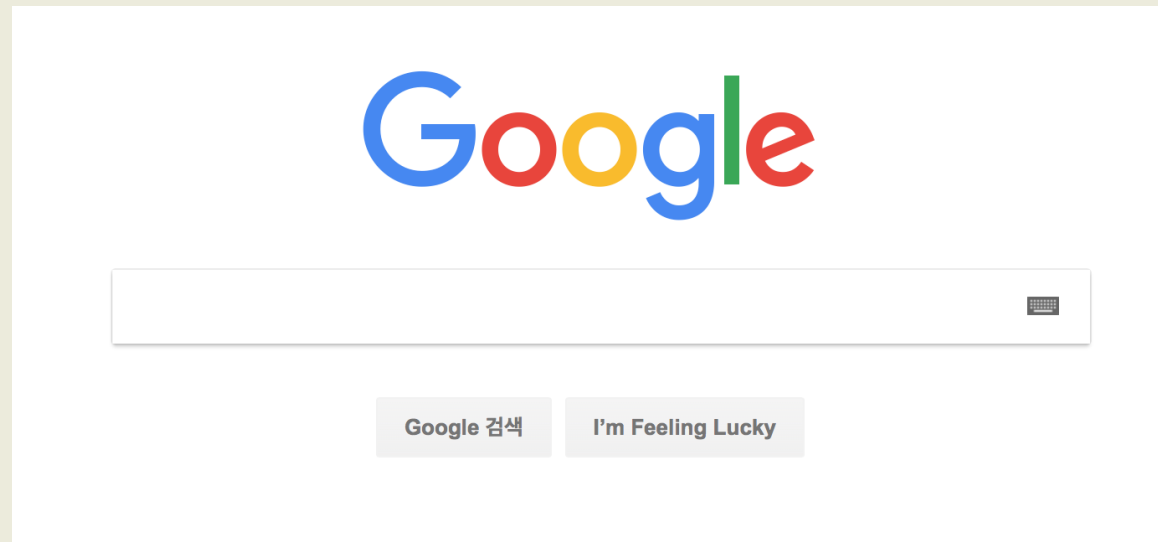


11. Pages

웹 페이지란?

- **웹 페이지**(web page) 는 월드 와이드 웹 상에 있는 개개의 문서를 가리킨다.
- 책에서의 페이지와는 달리, 두 개 이상의 웹 페이지들을 서로 하이퍼링크로 연결시킬 수 있다는 점이 특징이다. 대부분의 웹 페이지는 웹 서버에 저장되며 HTML, CSS, 자바스크립트, 그림, 플래시와 같은 동영상으로 구성되어 있다. 이러한 웹 페이지들은 HTTP를 통해 전송하거나 받아온다.
- 일반적으로 대부분의 인터넷 사용자들은 컴퓨터의 웹 브라우저를 통해 웹 페이지들을 읽는다. 또한 의미가 같은 웹 페이지들의 모임을 **웹사이트**라고 한다.



동적 vs 정적 웹 페이지

- 동적 웹 페이지 (Dynamic Web Page)

- ✓ 서버(웹 서버, Web Server)에 있는 데이터들을 스크립트에 의해 가공처리한 후 생성되어 전달되는 웹 페이지
- ✓ 서버는 사용자의 요청(Request)을 해석하여 데이터를 가공한 후 생성되는 웹 페이지를 보냄
- ✓ 사용자는 상황, 시간, 요청 등에 따라 달라지는 웹 페이지를 보게 됨

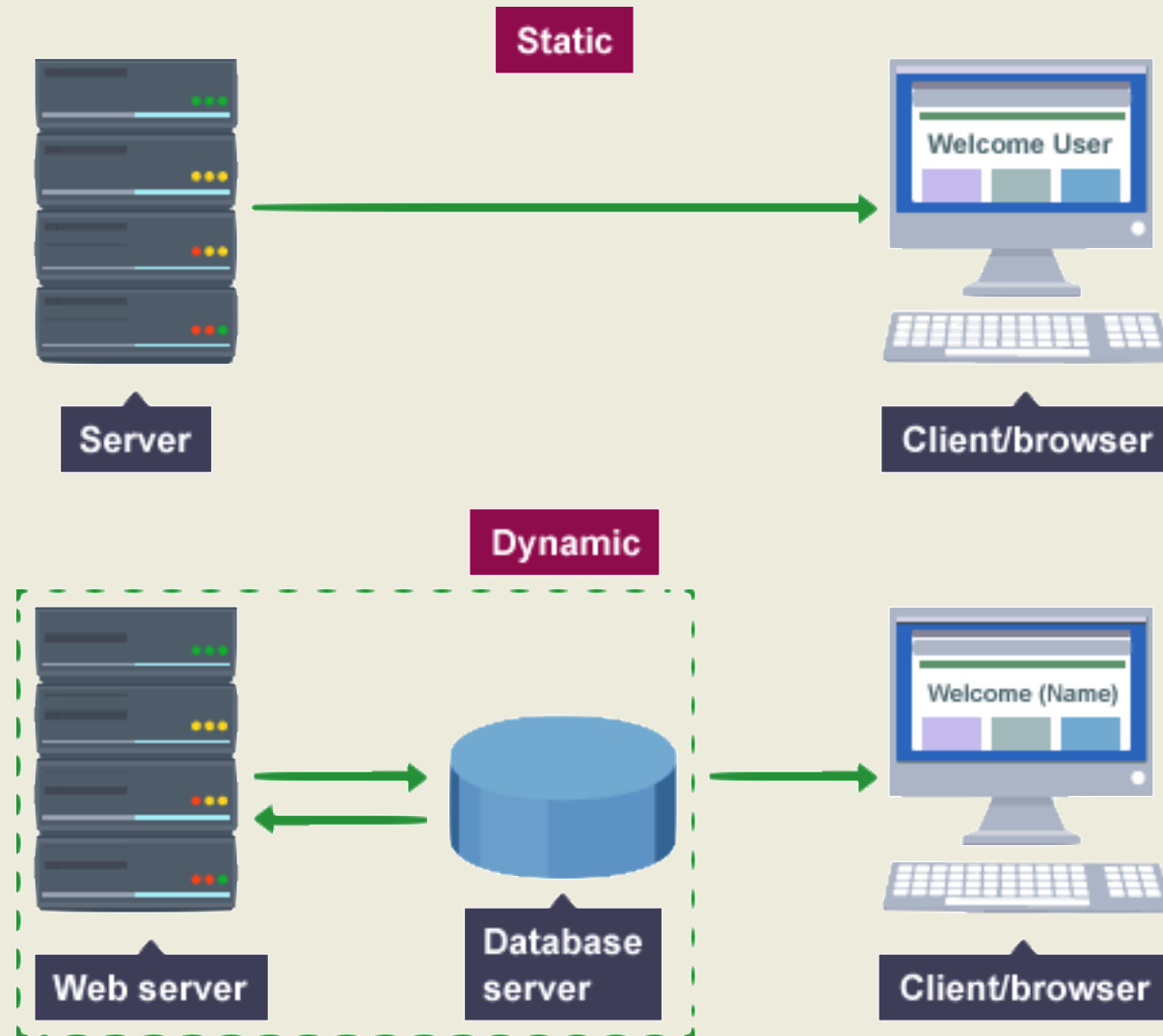
- 정적 웹 페이지(Static Web Page)

- ✓ 서버(웹 서버, Web Server)에 **미리 저장된 파일**(HTML 파일, 이미지, JavaScript 파일 등)이 그대로 전달되는 웹 페이지
- ✓ 서버는 사용자가 요청(Request)에 해당하는 저장된 웹 페이지를 보냄
- ✓ 사용자는 서버에 저장된 데이터가 변경되지 않는 한 고정된 웹 페이지를 보게 됨

동적 vs 정적 웹 페이지

	동적 웹 페이지	정적 웹 페이지
장점	서비스가 다양하다 : 다양한 정보를 조합하여 동적으로 생성하여 제공 가능	빠르다 : 요청에 대한 파일만 전송하면 되기 때문에 추가적인 작업이 없음
	관리가 쉽다 : 웹 사이트 구조에 따라서 추가/수정/삭제 등의 작업이 용이	비용이 적다 : 마찬가지로 웹 서버만 구축하면 됨
단점	상대적으로 느리다 : 사용자에게 웹 페이지를 전달하기 전에 처리하는 작업이 필요	서비스가 한정적이다 : 저장된 정보만 보여줄 수 있음
	추가 비용이 든다 : 웹 서버외에 추가적으로 처리를 위한 어플리케이션 서버(Web Application Server)가 필요	관리가 힘들다 : 추가/수정/삭제의 작업 모두 수동

동적 vs 정적 웹 페이지



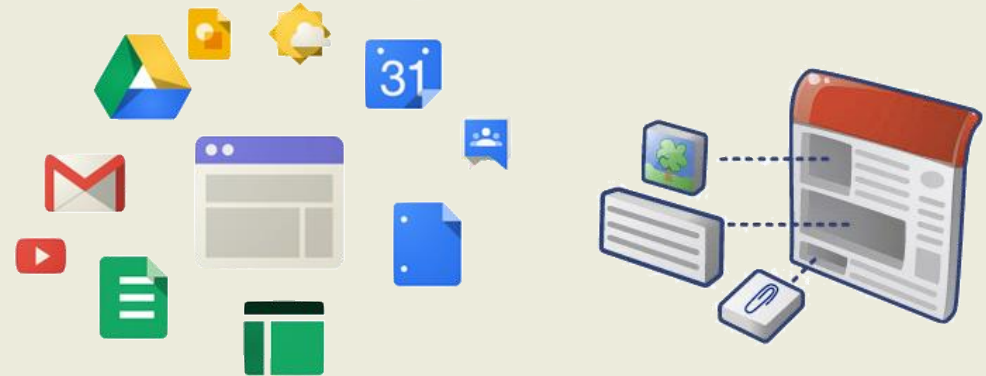
웹 사이트 제작툴



WORDPRESS




Google sites



Github Pages?????



레파지토리 생성




[Pull requests](#) [Issues](#) [Marketplace](#) [Explore](#)

Create a new repository

A repository contains all the files for your project, including the revision history.

Owner


 **kai1945** ▼

Repository name


✓

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

Description (optional)

☒  **Public**

Anyone can see this repository. You choose who can commit.


☐  **Private**

You choose who can see and commit to this repository.

☐ **Initialize this repository with a README**

This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: **None** ▼

Add a license: **None** ▼ 


[Create repository](#)

index.html 파일 추가

index.html

```
<!DOCTYPE html>
<html>
<body>
<h1>Hello World</h1>
<p>I'm hosted with GitHub Pages.</p>
</body>
</html>
```

index.html 파일 추가

 This repository Search Pull requests Issues Marketplace Explore

kai1945 / kai1945.github.io

Unwatch 1 Star 0 Fork 0

<> Code

Issues 0

Pull requests 0

Projects 0

Wiki

Insights

Settings

No description, website, or topics provided. Edit

Add topics


1 commit


1 branch

0 releases

1 contributor

Branch: master New pull request Create new file Upload files Find file Clone or download

 kai1945 add index Latest commit 34fe574 2 minutes ago

 index.html add index 2 minutes ago

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

Hello World (<http://xxx.github.io>)

Hello World

I'm hosted with GitHub Pages.

설치할 것들

- Ruby
- Jekyll
- Python
- Rouge
- Pygments
- Wdm
- bundler

Ruby 설치

- <https://rubyinstaller.org/downloads/>



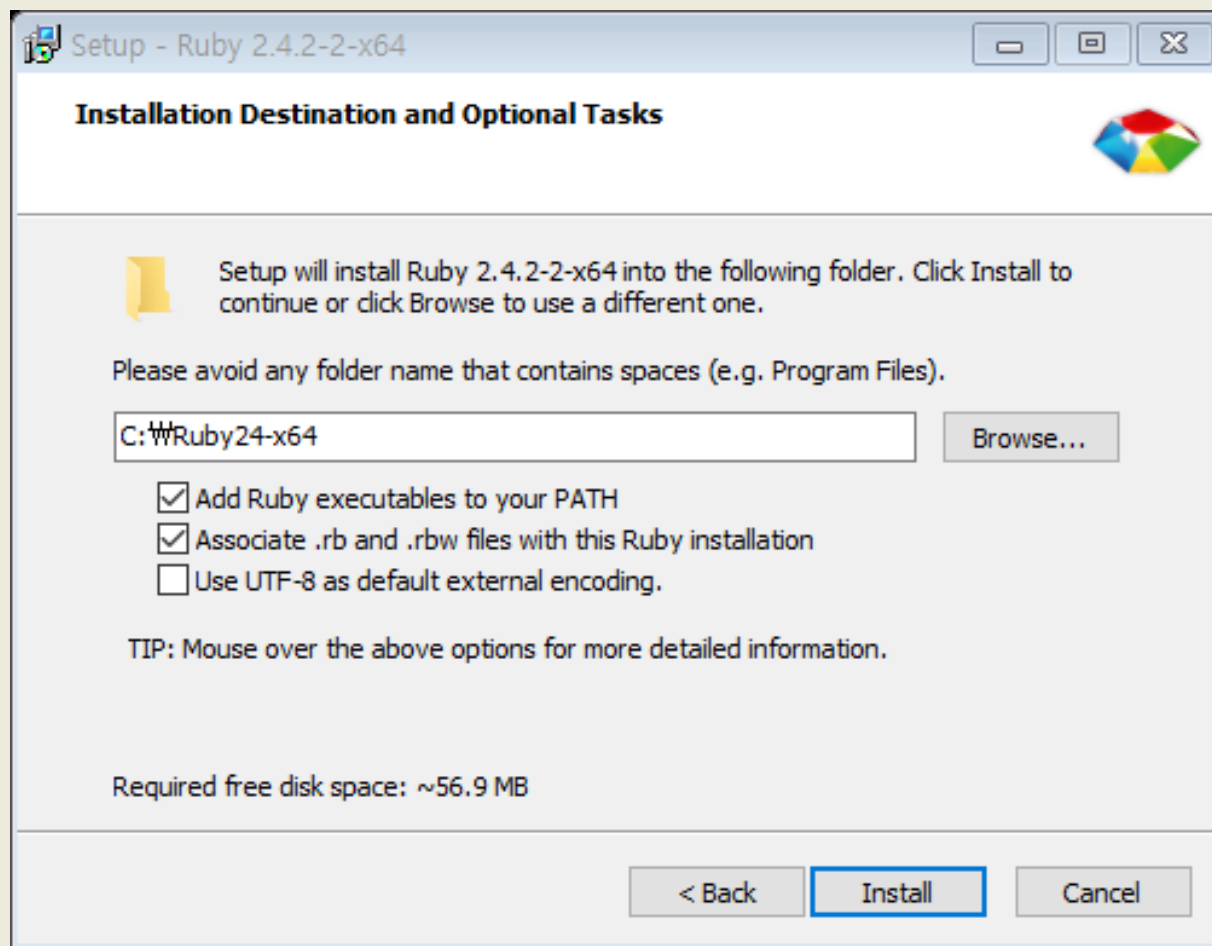
The screenshot shows the 'Downloads' section of the RubyInstaller for Windows website. At the top is the RubyInstaller logo. Below it is a light blue header with the word 'Downloads'. Underneath, there are two tabs: 'RubyInstallers' (active) and 'Archives»'. A note advises users to read the right column for recommendations. A list of Ruby versions follows, with 'Ruby 2.4.2-2 (x64)' highlighted by a red box.

RubyInstaller **Archives»**

Not sure what version to download? Please read the right column for recommendations.

-  Ruby 2.4.2-2 (x64)
-  Ruby 2.4.2-2 (x86)
-  Ruby 2.3.3
-  Ruby 2.3.3 (x64)
-  Ruby 2.2.6
-  Ruby 2.2.6 (x64)
-  Ruby 2.1.9
-  Ruby 2.1.9 (x64)
-  Ruby 2.0.0-p648
-  Ruby 2.0.0-p648 (x64)

Ruby 설치



Ruby Development kit 설치

- <https://rubyinstaller.org/downloads/>

DEVELOPMENT KIT

For use with Ruby 2.0 to 2.3 (32bits version only):



DevKit-mingw64-32-4.7.2-20130224-1151-sfx.exe

For use with Ruby 2.0 to 2.3 (x64 - 64bits only)

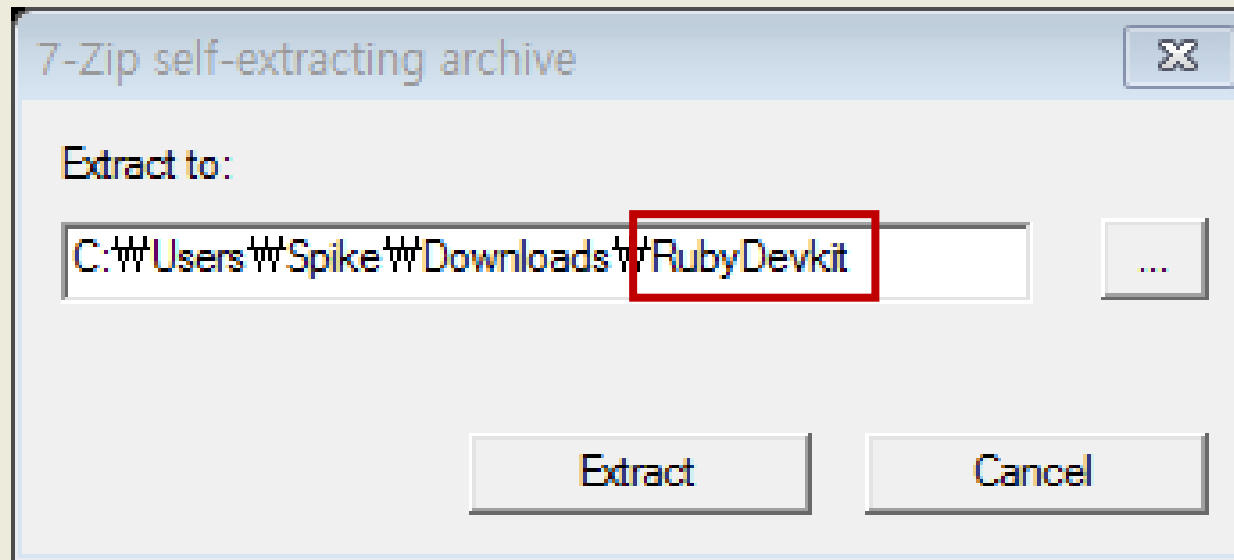


DevKit-mingw64-64-4.7.2-20130224-1432-sfx.exe

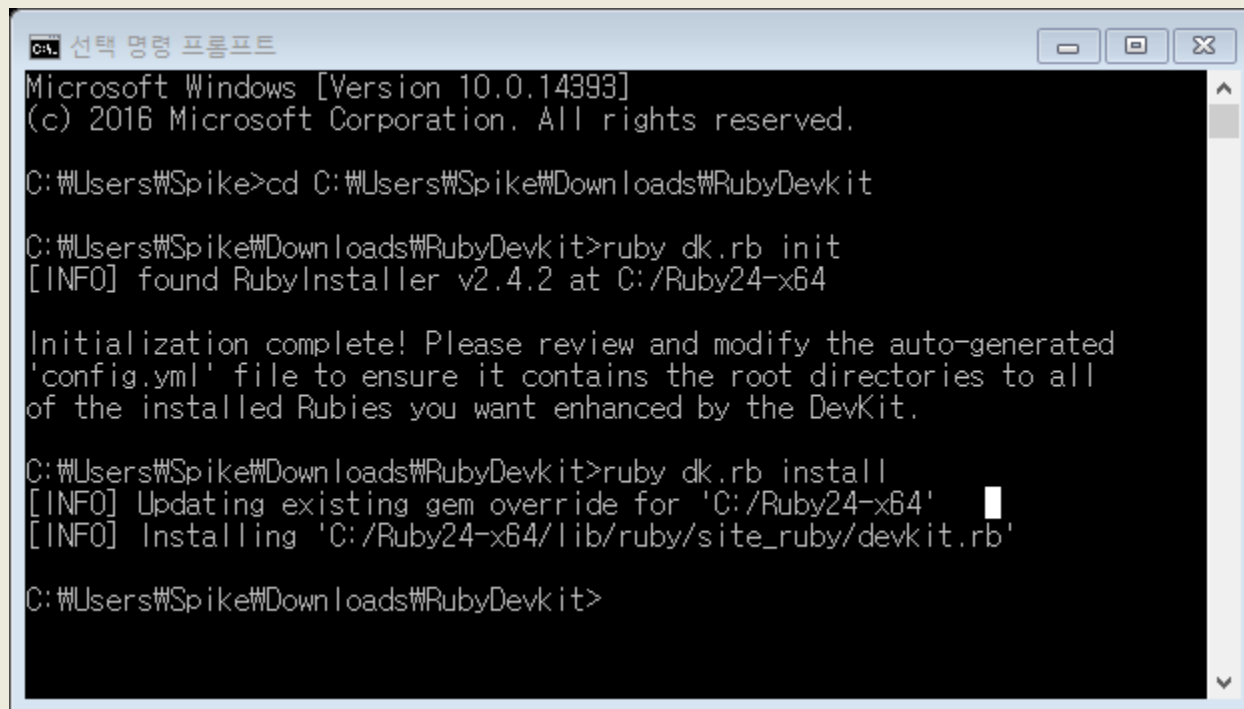
MD5 & SHA256 Checksums

For MD5 and SHA256 checksums of available downloads please check the corresponding **package/version** *files tab* or *release notes* at the [RubyInstaller repository on Bintray](#).

Ruby Development kit 설치



Ruby Development kit 설치



```
Ca. 선택 명령 프롬프트
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\Users\Spike>cd C:\Users\Spike\Downloads\RubyDevkit

C:\Users\Spike\Downloads\RubyDevkit>ruby dk.rb init
[INFO] found RubyInstaller v2.4.2 at C:/Ruby24-x64

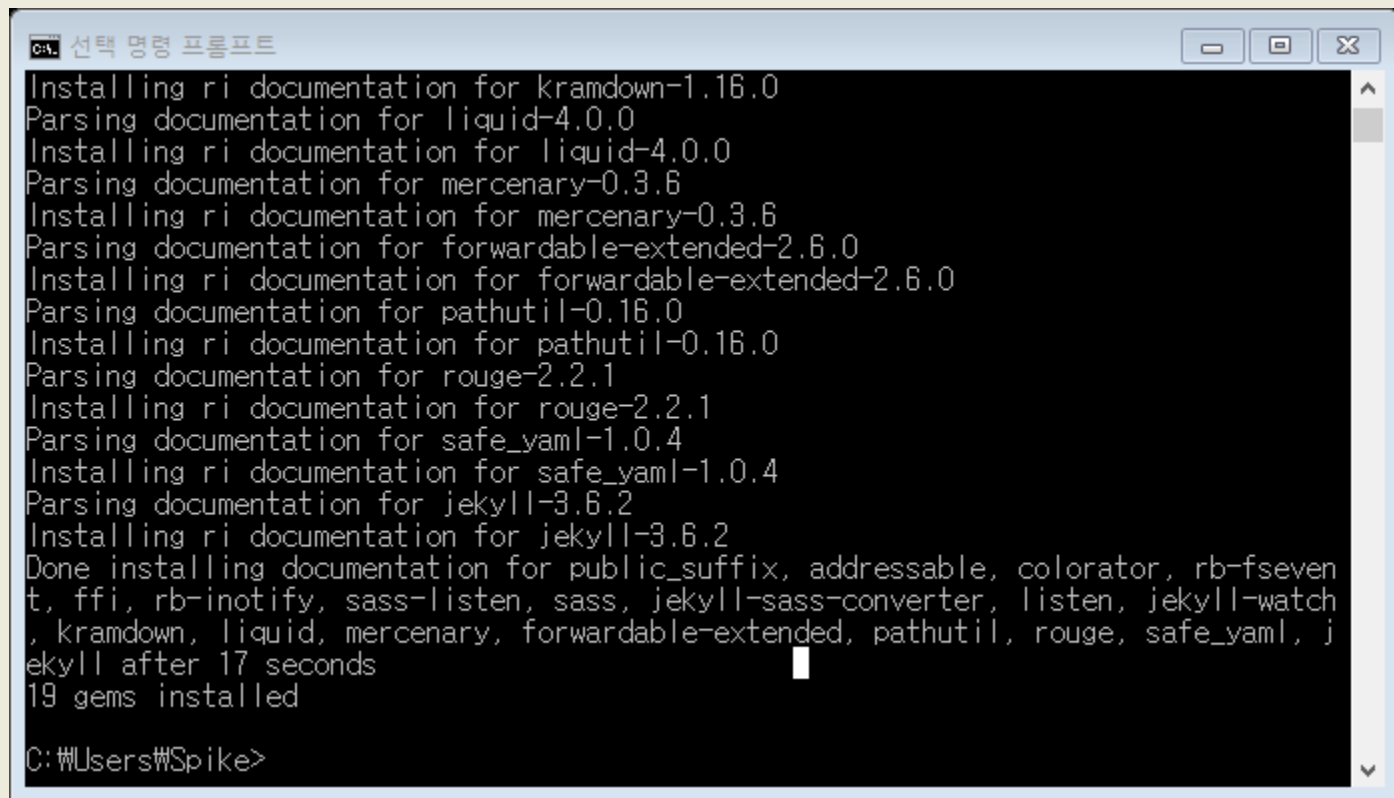
Initialization complete! Please review and modify the auto-generated
'config.yml' file to ensure it contains the root directories to all
of the installed Rubies you want enhanced by the DevKit.

C:\Users\Spike\Downloads\RubyDevkit>ruby dk.rb install
[INFO] Updating existing gem override for 'C:/Ruby24-x64'
[INFO] Installing 'C:/Ruby24-x64/lib/ruby/site_ruby/devkit.rb'

C:\Users\Spike\Downloads\RubyDevkit>
```

Jekyll 설치

- `gem install jekyll`



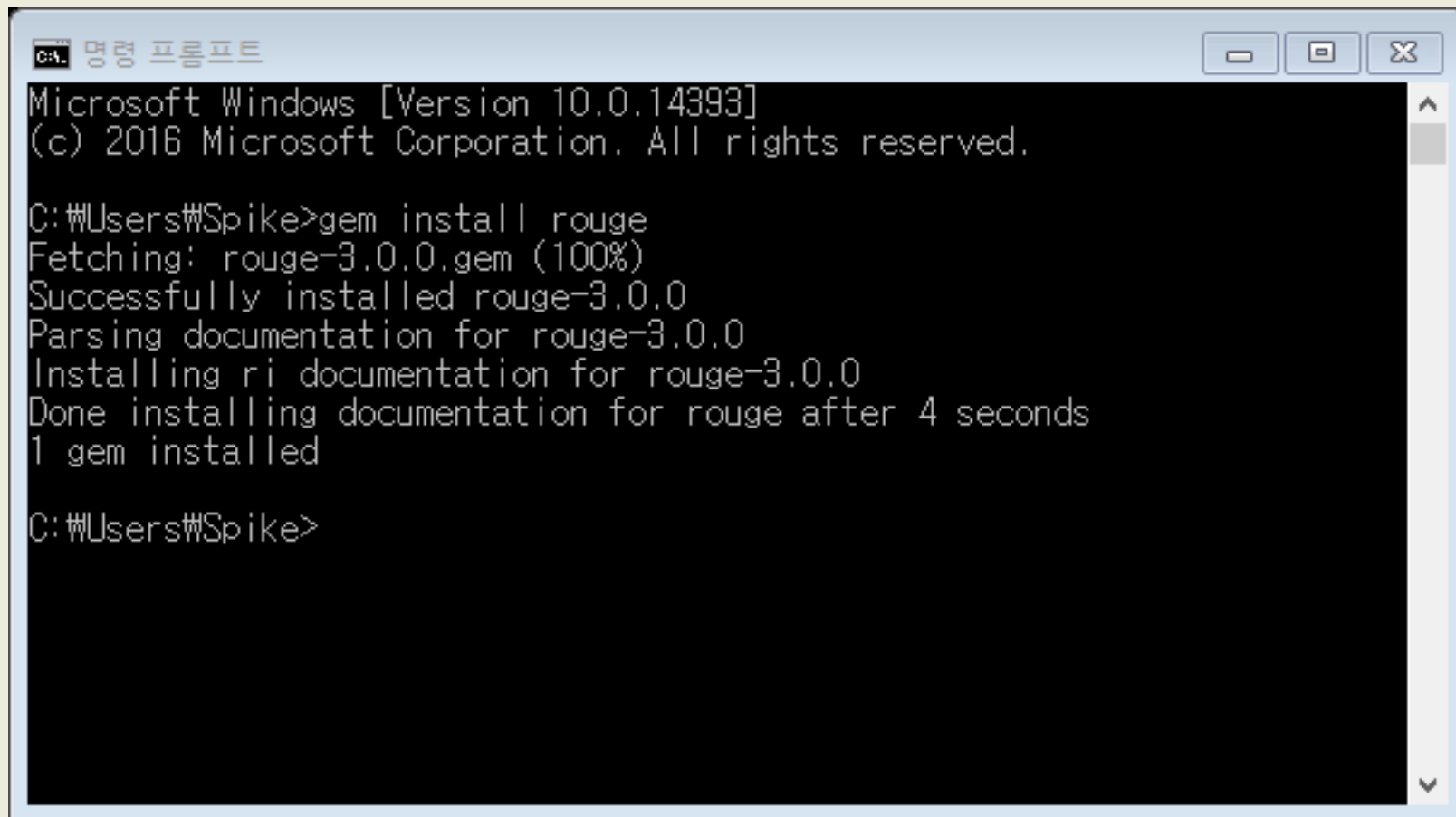
```
C:\> 선택 명령 프롬프트

Installing ri documentation for kramdown-1.16.0
Parsing documentation for liquid-4.0.0
Installing ri documentation for liquid-4.0.0
Parsing documentation for mercenary-0.3.6
Installing ri documentation for mercenary-0.3.6
Parsing documentation for forwardable-extended-2.6.0
Installing ri documentation for forwardable-extended-2.6.0
Parsing documentation for pathutil-0.16.0
Installing ri documentation for pathutil-0.16.0
Parsing documentation for rouge-2.2.1
Installing ri documentation for rouge-2.2.1
Parsing documentation for safe_yaml-1.0.4
Installing ri documentation for safe_yaml-1.0.4
Parsing documentation for jekyll-3.6.2
Installing ri documentation for jekyll-3.6.2
Done installing documentation for public_suffix, addressable, colorator, rb-fsevent, ffi, rb-inotify, sass-listen, sass, jekyll-sass-converter, listen, jekyll-watch, kramdown, liquid, mercenary, forwardable-extended, pathutil, rouge, safe_yaml, jekyll after 17 seconds
19 gems installed

C:\Users\Spike>
```

rouge 설치

- `gem install rouge`



```
C:\> 명령 프롬프트
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\Users\Spike>gem install rouge
Fetching: rouge-3.0.0.gem (100%)
Successfully installed rouge-3.0.0
Parsing documentation for rouge-3.0.0
Installing ri documentation for rouge-3.0.0
Done installing documentation for rouge after 4 seconds
1 gem installed

C:\Users\Spike>
```

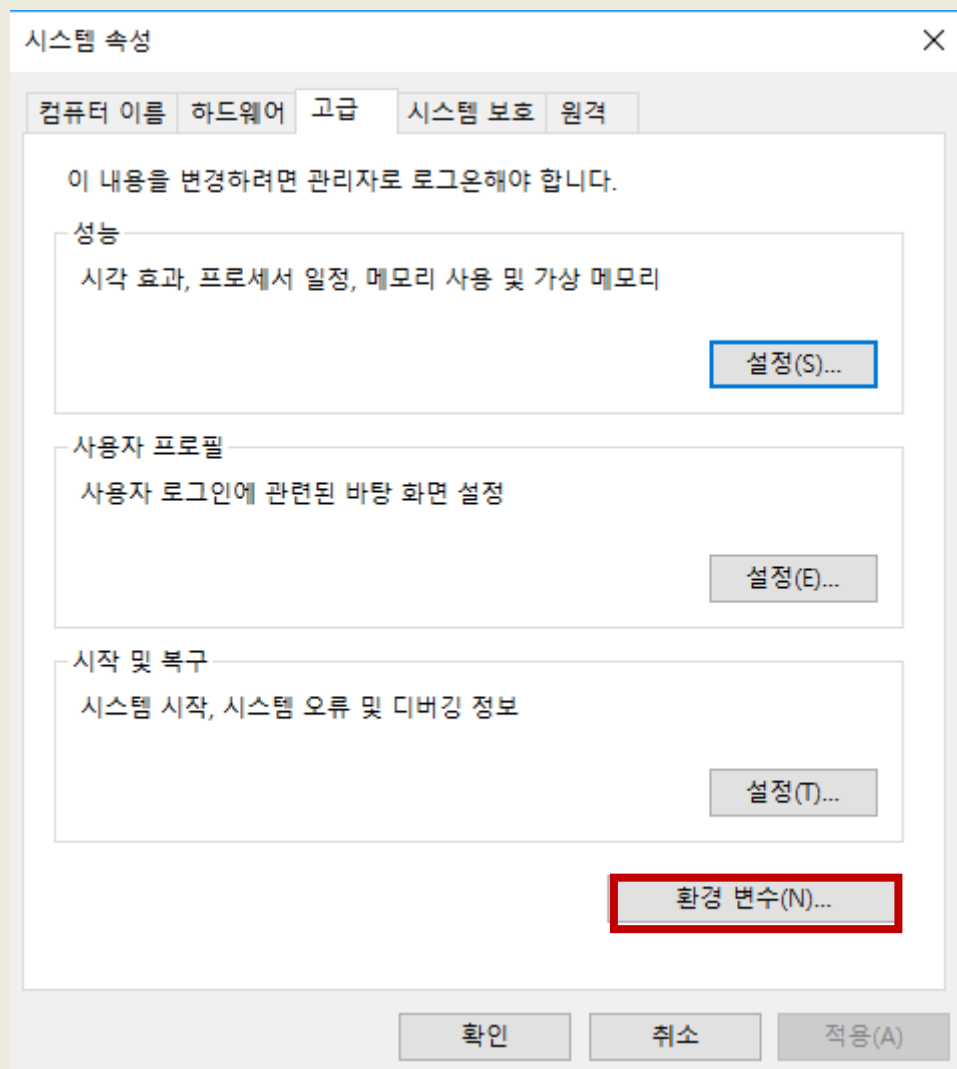
Python 설치

- <https://www.python.org/downloads/>

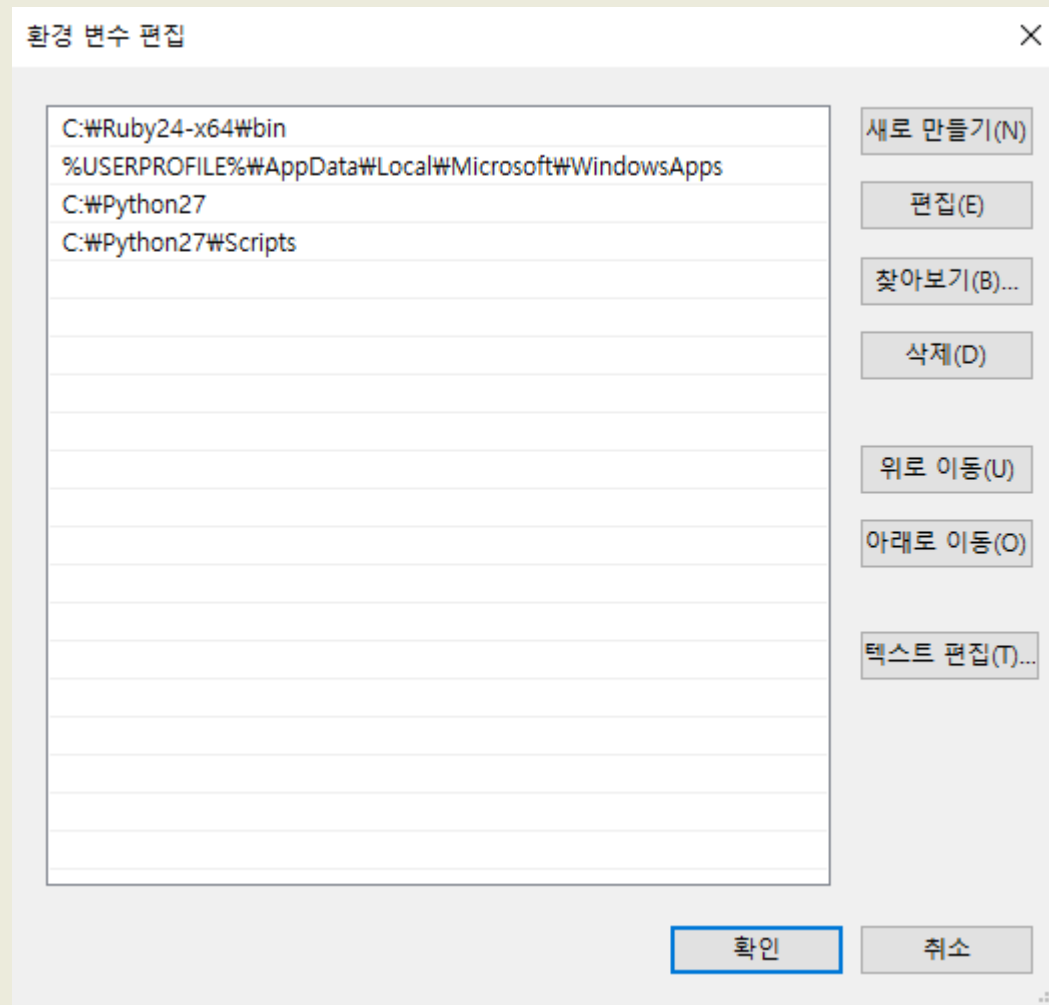
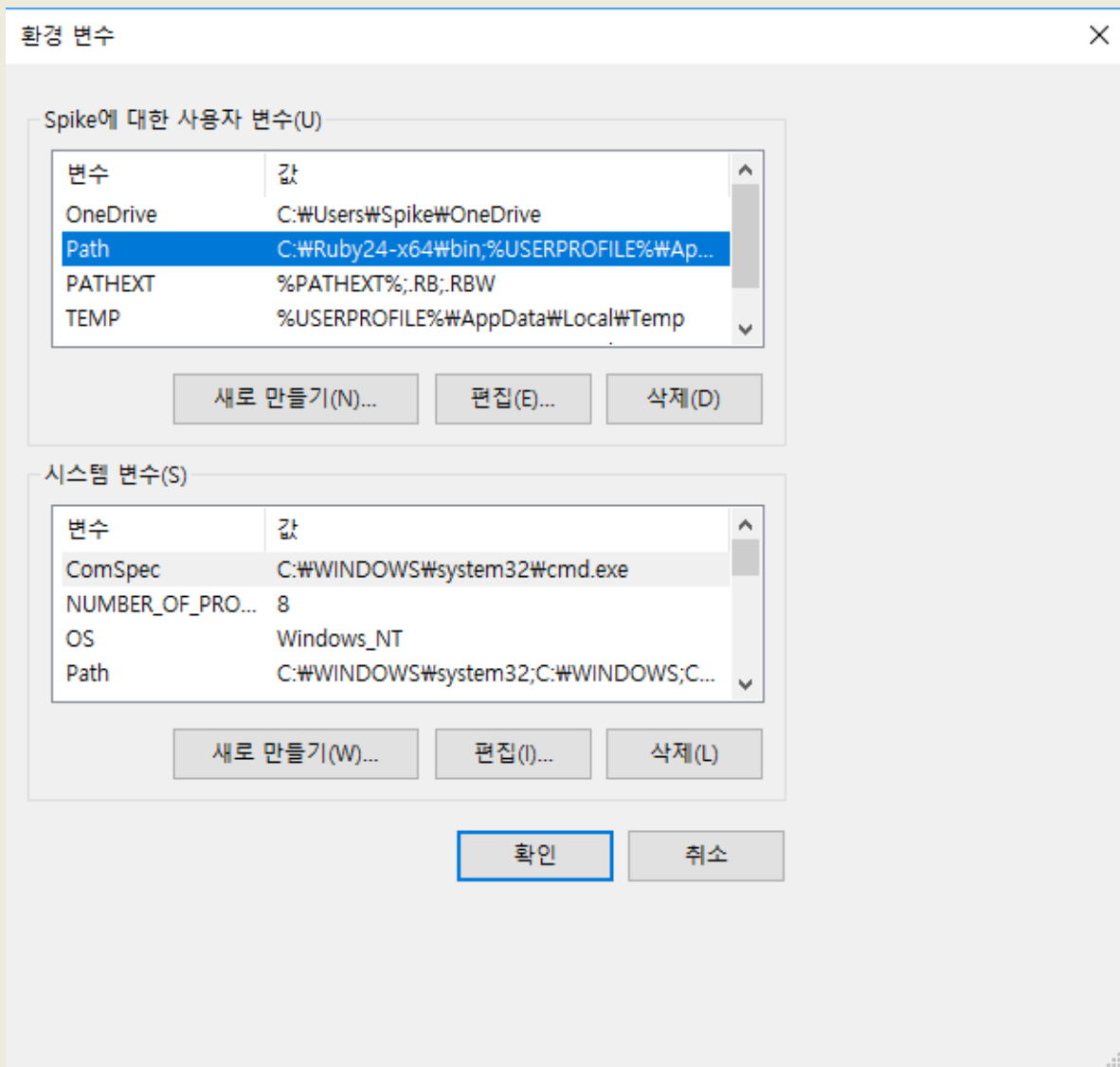


Python 환경변수 설정

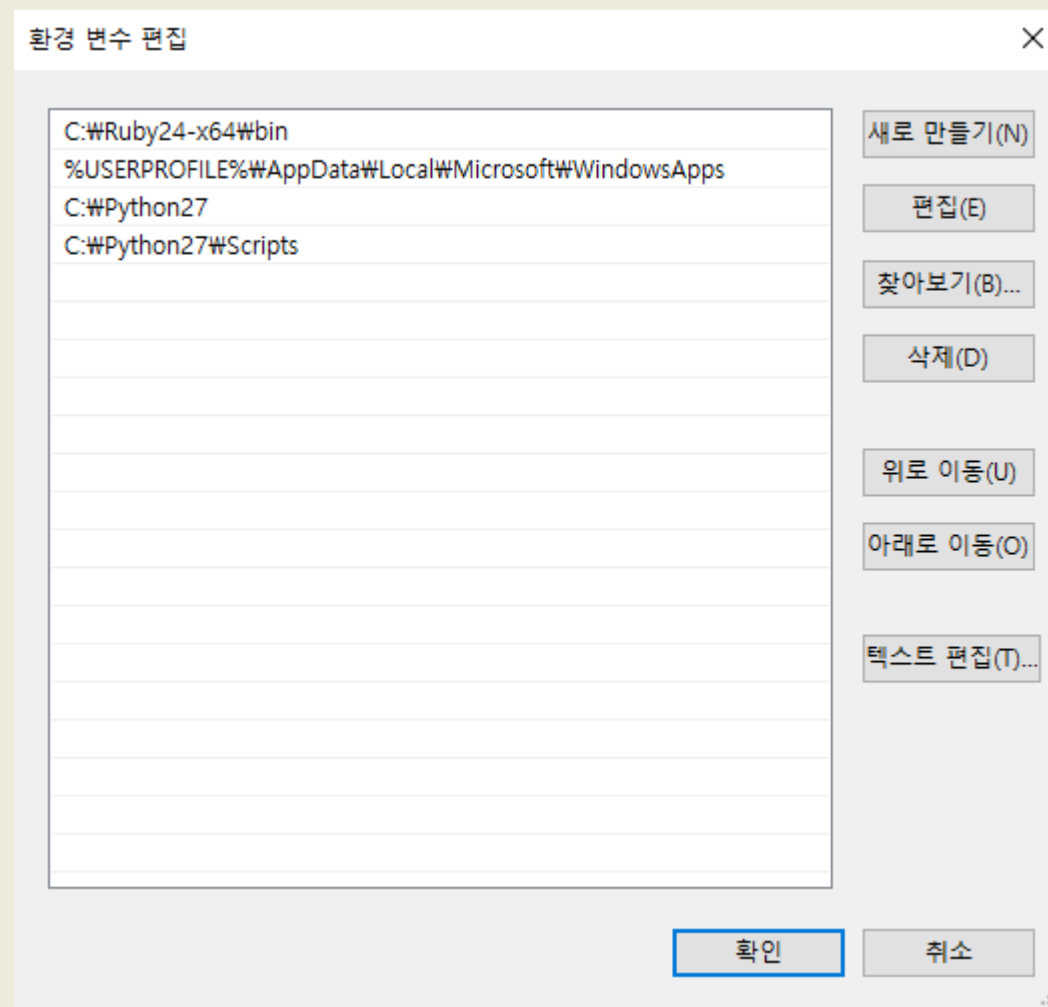
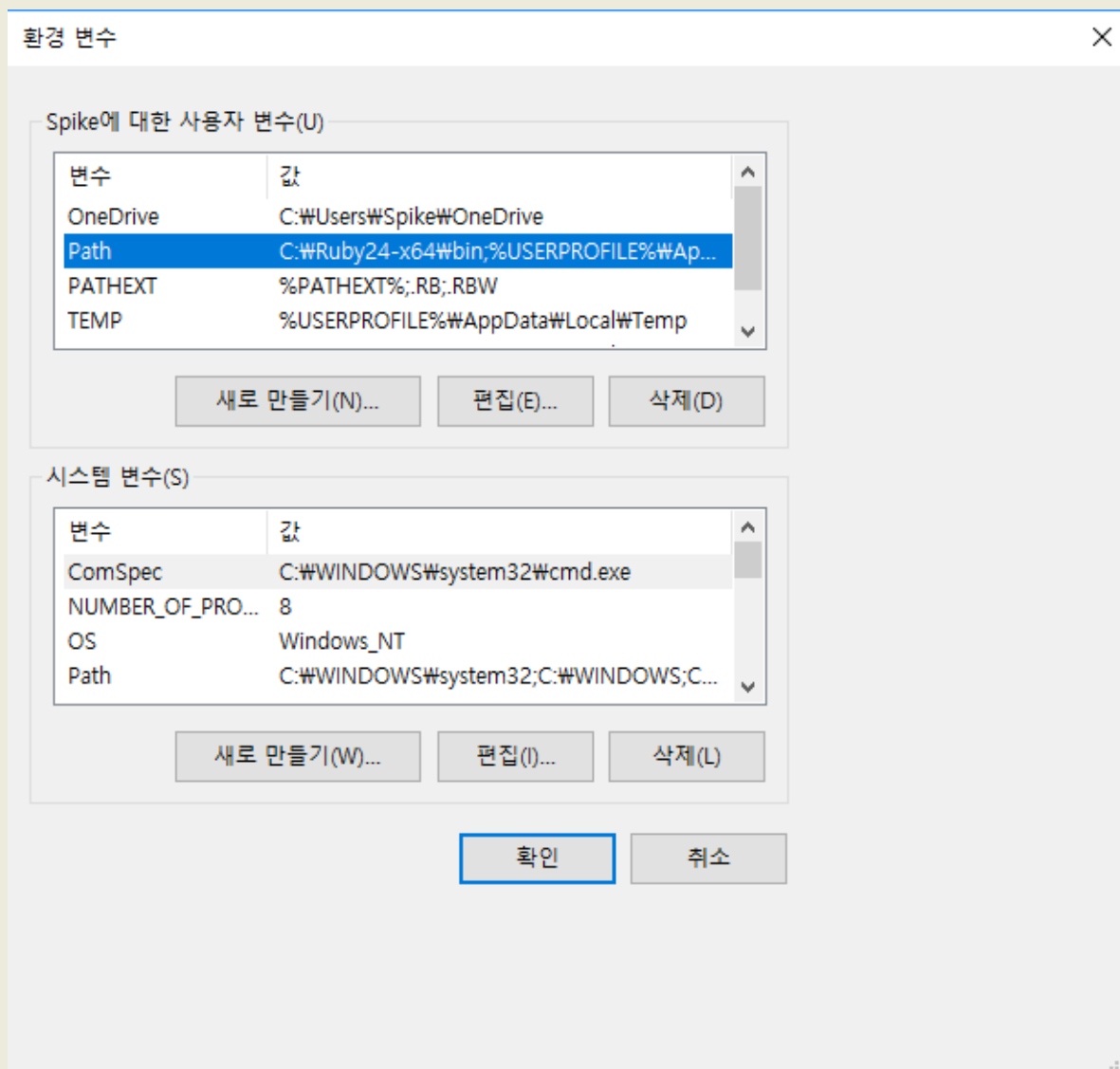
- 제어판 > 시스템 > 고급 시스템 설정



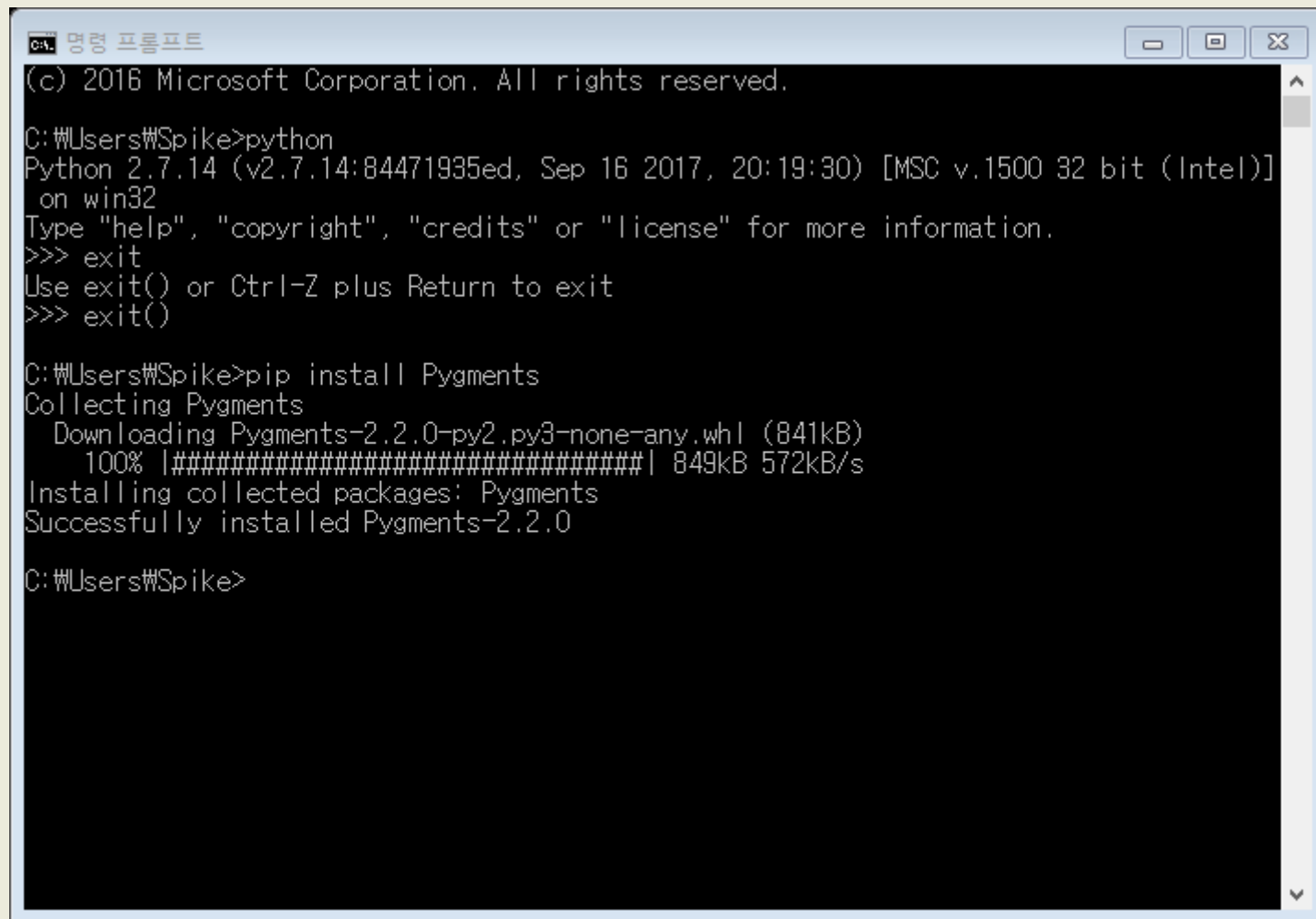
Python 환경변수 설정



Python 환경변수 설정



Pygments 설치



```
명령 프롬프트
(c) 2016 Microsoft Corporation. All rights reserved.

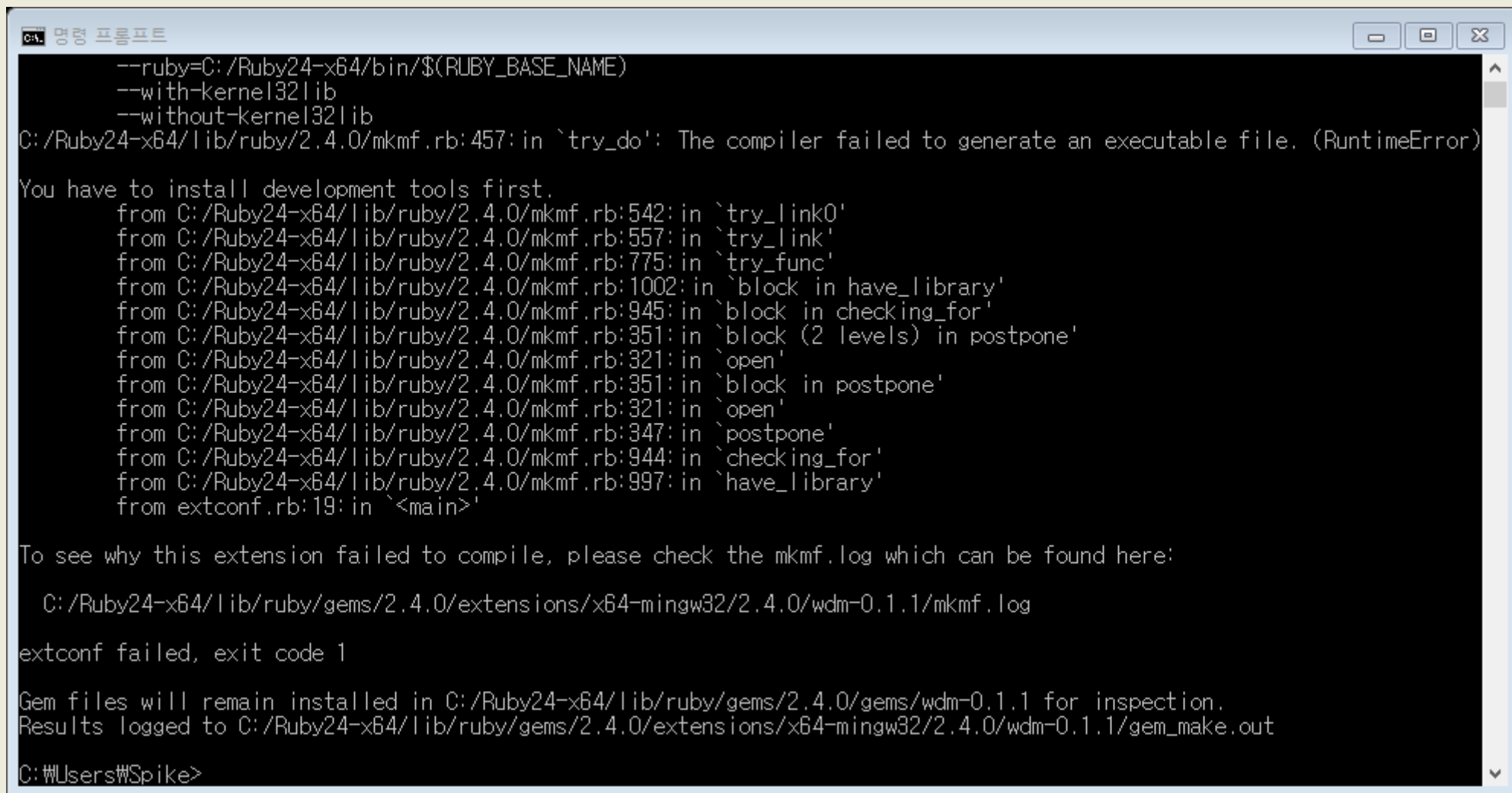
C:\Users\Spike>python
Python 2.7.14 (v2.7.14:84471935ed, Sep 16 2017, 20:19:30) [MSC v.1500 32 bit (Intel)]
on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> exit
Use exit() or Ctrl-Z plus Return to exit
>>> exit()

C:\Users\Spike>pip install Pygments
Collecting Pygments
  Downloading Pygments-2.2.0-py2.py3-none-any.whl (841kB)
    100% |#####| 849kB 572kB/s
Installing collected packages: Pygments
Successfully installed Pygments-2.2.0

C:\Users\Spike>
```


Wdm 설치

- `gem install wdm`



```
--ruby=C:/Ruby24-x64/bin/$(RUBY_BASE_NAME)
--with-kernel32lib
--without-kernel32lib
C:/Ruby24-x64/lib/ruby/2.4.0/mkrf.rb:457:in `try_do': The compiler failed to generate an executable file. (RuntimeError)

You have to install development tools first.
from C:/Ruby24-x64/lib/ruby/2.4.0/mkrf.rb:542:in `try_link0'
from C:/Ruby24-x64/lib/ruby/2.4.0/mkrf.rb:557:in `try_link'
from C:/Ruby24-x64/lib/ruby/2.4.0/mkrf.rb:775:in `try_func'
from C:/Ruby24-x64/lib/ruby/2.4.0/mkrf.rb:1002:in `block in have_library'
from C:/Ruby24-x64/lib/ruby/2.4.0/mkrf.rb:945:in `block in checking_for'
from C:/Ruby24-x64/lib/ruby/2.4.0/mkrf.rb:351:in `block (2 levels) in postpone'
from C:/Ruby24-x64/lib/ruby/2.4.0/mkrf.rb:321:in `open'
from C:/Ruby24-x64/lib/ruby/2.4.0/mkrf.rb:351:in `block in postpone'
from C:/Ruby24-x64/lib/ruby/2.4.0/mkrf.rb:321:in `open'
from C:/Ruby24-x64/lib/ruby/2.4.0/mkrf.rb:347:in `postpone'
from C:/Ruby24-x64/lib/ruby/2.4.0/mkrf.rb:944:in `checking_for'
from C:/Ruby24-x64/lib/ruby/2.4.0/mkrf.rb:997:in `have_library'
from extconf.rb:19:in `'

To see why this extension failed to compile, please check the mkrf.log which can be found here:

  C:/Ruby24-x64/lib/ruby/gems/2.4.0/extensions/x64-mingw32/2.4.0/wdm-0.1.1/mkrf.log

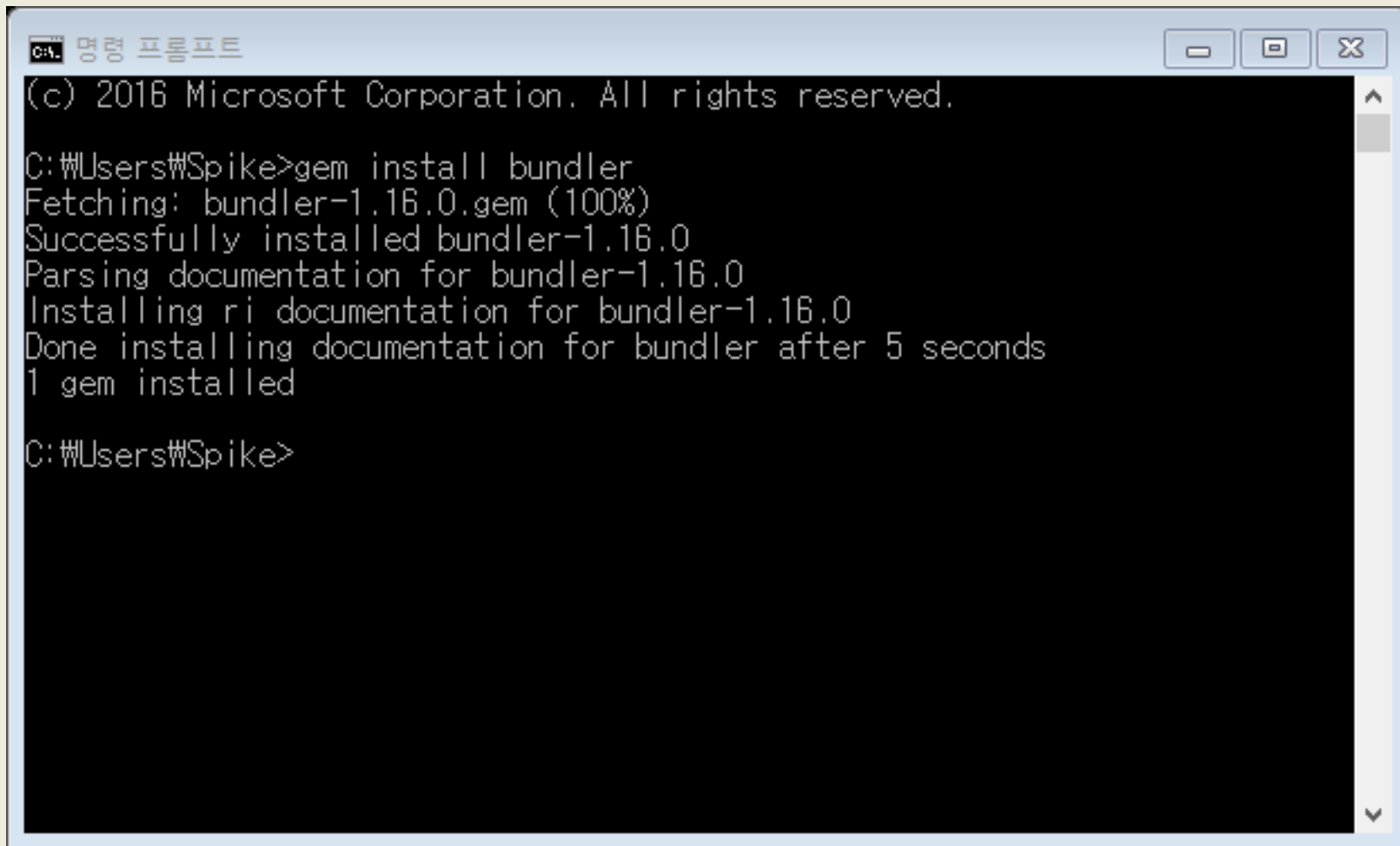
extconf failed, exit code 1

Gem files will remain installed in C:/Ruby24-x64/lib/ruby/gems/2.4.0/gems/wdm-0.1.1 for inspection.
Results logged to C:/Ruby24-x64/lib/ruby/gems/2.4.0/extensions/x64-mingw32/2.4.0/wdm-0.1.1/gem_make.out

C:\Users\Spike>
```

bundler 설치

- `gem install bundler`



```
C:\> 명령 프롬프트
(c) 2016 Microsoft Corporation. All rights reserved.

C:\Users\Spike>gem install bundler
Fetching: bundler-1.16.0.gem (100%)
Successfully installed bundler-1.16.0
Parsing documentation for bundler-1.16.0
Installing ri documentation for bundler-1.16.0
Done installing documentation for bundler after 5 seconds
1 gem installed

C:\Users\Spike>
```

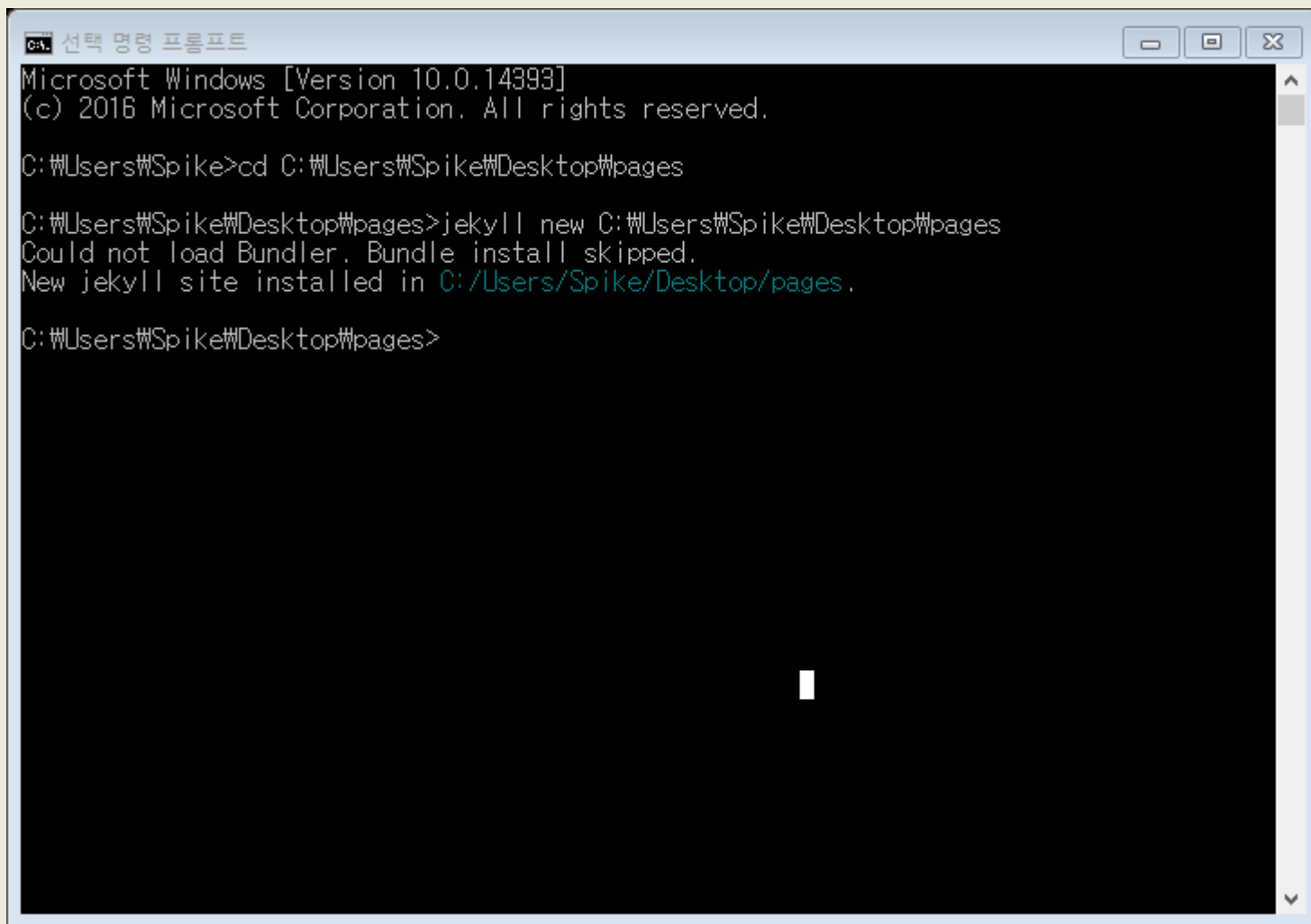
bundler 설치

- bundle install

```
선택 명령 프롬프트 - jekyll serve
C:\Users\Spike\Desktop\pages>bundle install
Fetching gem metadata from https://rubygems.org/.....
Fetching gem metadata from https://rubygems.org/.
Resolving dependencies...
Using public_suffix 3.0.1
Using addressable 2.5.2
Using bundler 1.16.0
Using colorator 1.1.0
Using ffi 1.9.18 (x64-mingw32)
Using forwardable-extended 2.6.0
Using rb-fsevent 0.10.2
Using rb-inotify 0.9.10
Using sass-listen 4.0.0
Using sass 3.5.3
Using jekyll-sass-converter 1.5.0
Using listen 3.0.8
Using jekyll-watch 1.5.0
Fetching kramdown 1.16.1
Installing kramdown 1.16.1
Using liquid 4.0.0
Using mercenary 0.3.6
Using pathutil 0.16.0
Using rouge 2.2.1
Using safe_yaml 1.0.4
Using jekyll 3.6.2
Fetching jekyll-feed 0.9.2
Installing jekyll-feed 0.9.2
Fetching minima 2.1.1
Installing minima 2.1.1
Fetching thread_safe 0.3.6
```

기본 페이지 생성

- Jekyll new 경로



```
선택 명령 프롬프트
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

C:\Users\Spike>cd C:\Users\Spike\Desktop\pages

C:\Users\Spike\Desktop\pages>jekyll new C:\Users\Spike\Desktop\pages
Could not load Bundler. Bundle install skipped.
New jekyll site installed in C:/Users/Spike/Desktop/pages.

C:\Users\Spike\Desktop\pages>
```

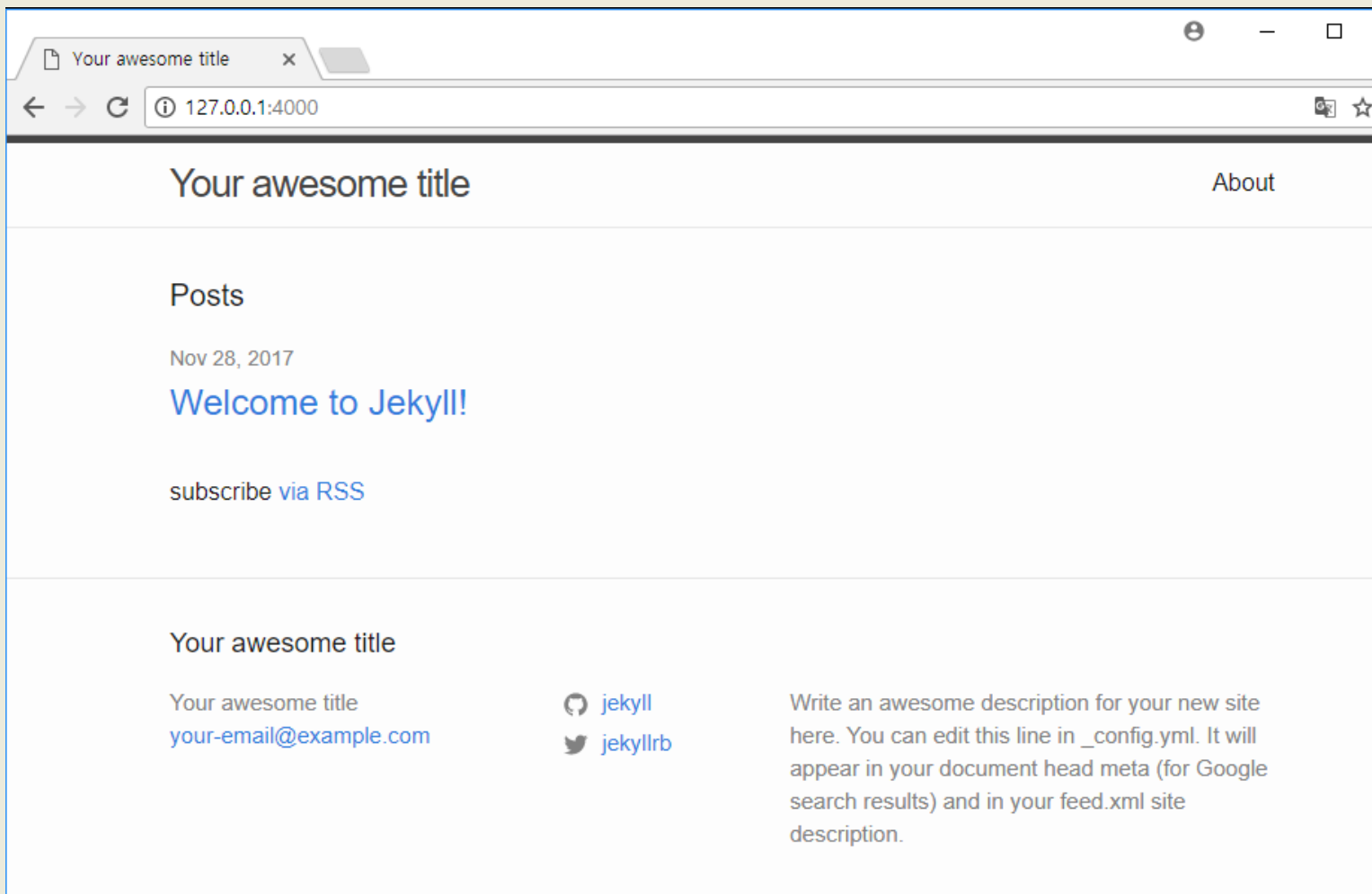
기본 페이지 확인

- jekyll serve

```
C:\Users\Spike\Desktop\pages>jekyll serve
Configuration file: C:/Users/Spike/Desktop/pages/_config.yml
      Source: C:/Users/Spike/Desktop/pages
      Destination: C:/Users/Spike/Desktop/pages/_site
Incremental build: disabled. Enable with --incremental
      Generating...
                        done in 0.45 seconds.
Please add the following to your Gemfile to avoid polling for changes:
  gem 'wdm', '>= 0.1.0' if Gem.win_platform?
Auto-regeneration: enabled for 'C:/Users/Spike/Desktop/pages'
      Server address: http://127.0.0.1:4000/
      Server running... press ctrl-c to stop. ■
```

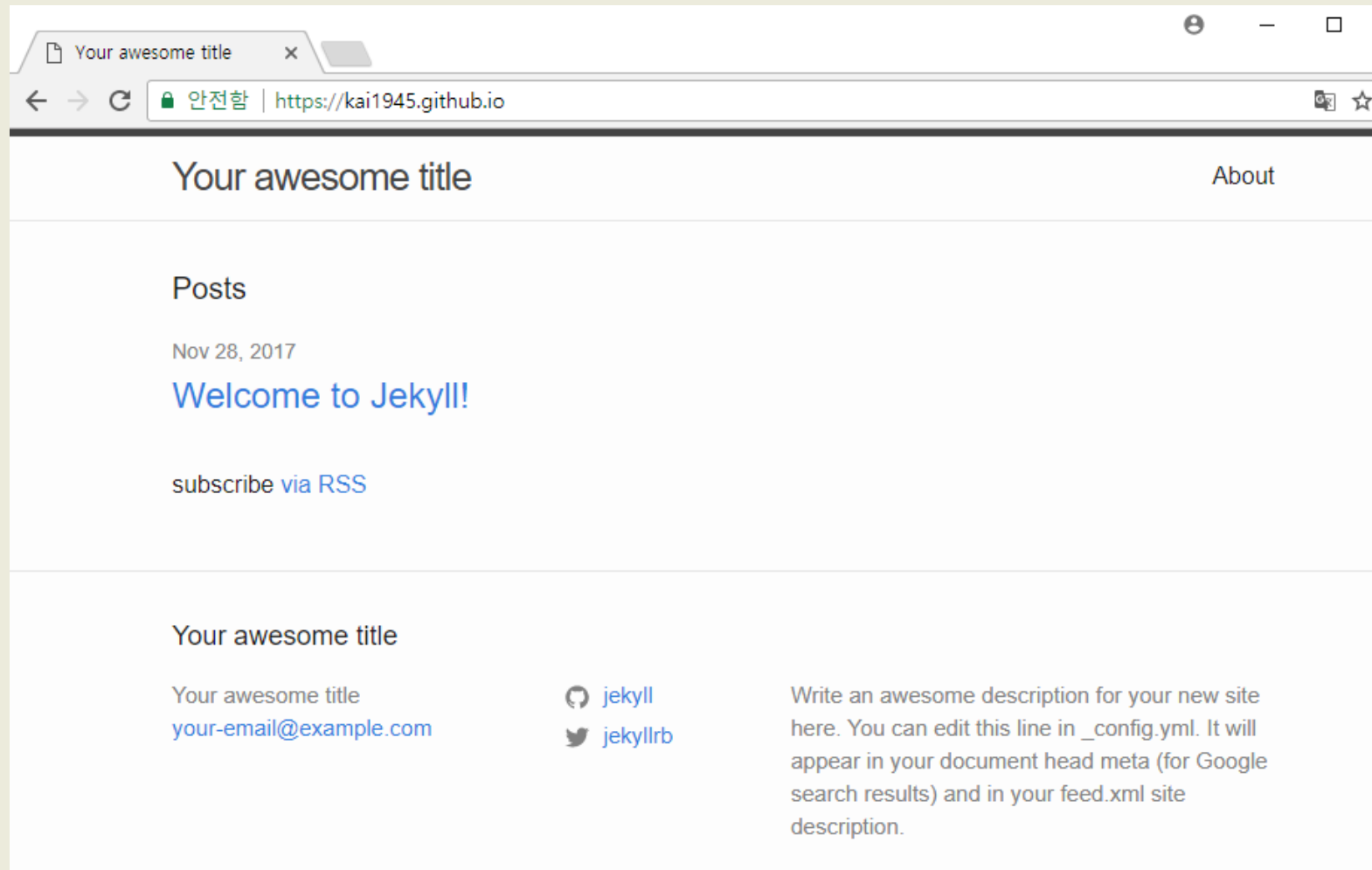
기본 페이지 확인

- <http://127.0.0.1:4000>





Github commit & push

- 커밋 & push 후
- 아이디.github.io 로 가서 확인



Theme

 This repository Search Pull requests Issues Marketplace Explore

 [kai1945](#) / [kai1945.github.io](#)

Unwatch 1 Star 0 Fork 0

<> Code ! Issues 0 Pull requests 0 Projects 0 Wiki Insights

Settings

Options

Collaborators

Branches

Webhooks

Integrations & services

Deploy keys

Settings

Repository name

kai1945.github.io

Rename

Features

☒ Wikis

Theme

GitHub Pages

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

✓ Your site is published at <https://kai1945.github.io/>

Source

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

master branch ▾

Save

User pages must be built from the master branch.

Theme Chooser

Select a theme to build 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 `kai1945.github.io`. [Learn more.](#)

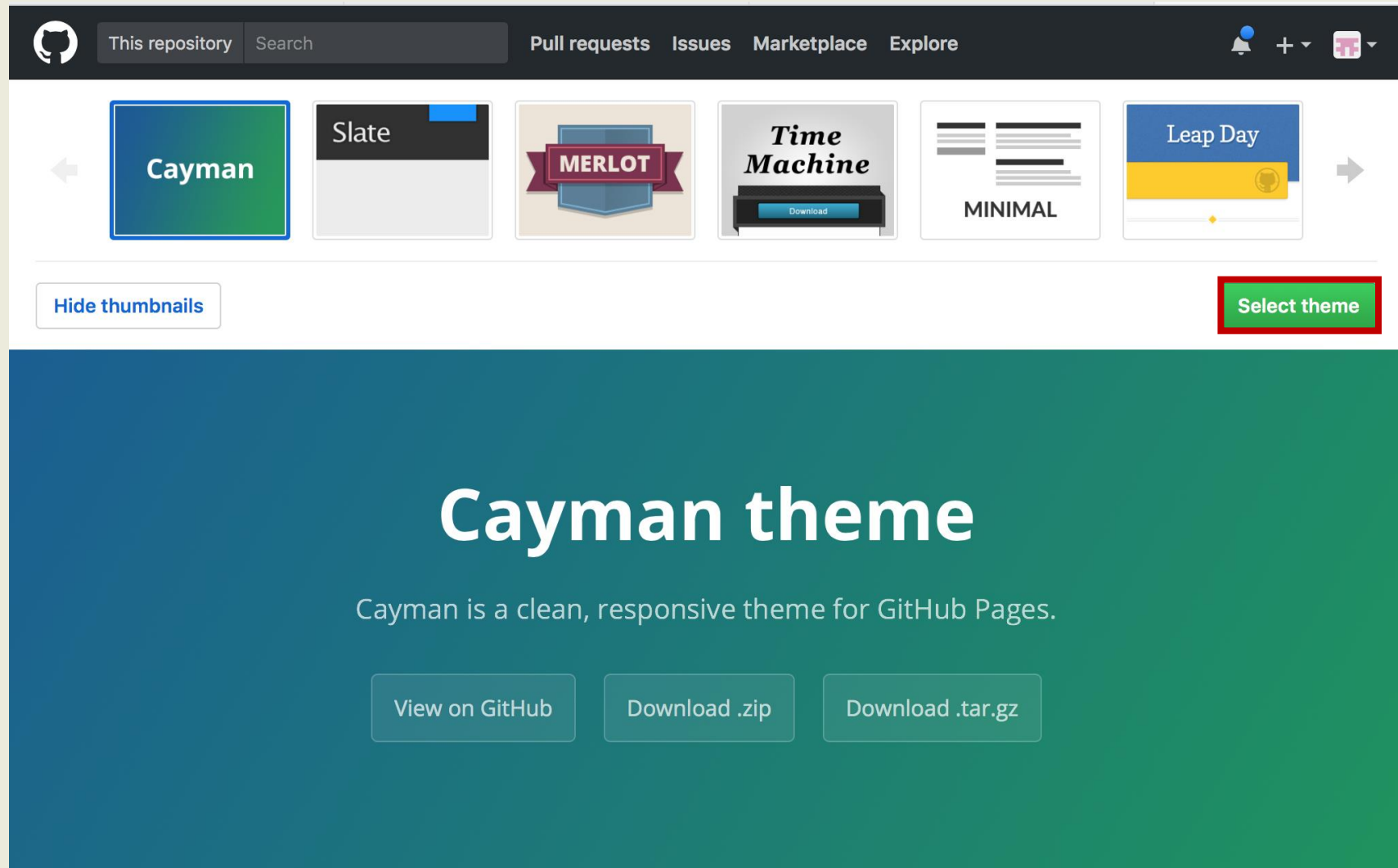
Save

☒ Enforce HTTPS

— Required for your site because you are using the default domain (`kai1945.github.io`)

HTTPS provides a layer of encryption that prevents others from snooping on or tampering with traffic to your site. When HTTPS is enforced, your site will only be served over HTTPS. [Learn more.](#)

Theme



Index.md 파일 수정

- Index.md 파일에서
- local : home 부분 제거

Your awesome title

Write an awesome description for your new site here. You can edit this line in `_config.yml`. It will appear in your document head meta (for Google search results) and in your feed.xml site description.

Pages

Thank you