


MySQL DBMS 설치

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MySQL Community (GPL) Downloads >

MySQL Installer for Windows 클릭

MySQL Community Downloads

- MySQL Yum Repository
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- MySQL NDB Cluster
- MySQL Router
- MySQL Shell
- MySQL Operator
- MySQL NDB Operator
- MySQL Workbench
- **MySQL Installer for Windows**
- C API (libmysqlclient)
- Connector/C++
- Connector/J
- Connector/NET
- Connector/Node.js
- Connector/ODBC
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- MySQL Native Driver for PHP
- MySQL Benchmark Tool
- Time zone description tables
- Download Archives

항상 버전체크

- 8.0.20 - 이슈가 있으므로 다운그레이드

MySQL Community Downloads

MySQL Installer

General Availability (GA) Releases Archives

MySQL Installer 8.0.39

Note: MySQL 8.0 is the final series with MySQL Installer. As of MySQL 8.1, use a MySQL product's MSI or Zip archive for installation. MySQL Server 8.1 and higher also bundle MySQL Configurator, a tool that helps configure MySQL Server.

Select Version:
8.0.39

Select Operating System:
Microsoft Windows

Windows (x86, 32-bit), MSI Installer (mysql-installer-web-community-8.0.39.0.msi)	8.0.39	2.1M	Download
Windows (x86, 32-bit), MSI Installer (mysql-installer-community-8.0.39.0.msi)	8.0.39	303.6M	Download

MD5: d8499da0b2c4b5df a81a5c5185af9238 | [Signature](#)

MD5: 353c5e5ab9350d0e9ddcb42264229b5d | [Signature](#)

We suggest that you use the MD5 checksums and GnuPG signatures to verify the integrity of the packages you download.

• 항상 버전체크 8.0.20 - 이슈가 있으므로 다운그레이드

🔗 [MySQL Product Archives](#)

◀ [MySQL Installer \(Archived Versions\)](#)

⚠ Please note that these are old versions. New releases will have recent bug fixes and features!
To download the latest release of MySQL Installer, please visit [MySQL Downloads](#).

Product Version:

Operating System:

Windows (x86, 32-bit), MSI Installer <small>(mysql-installer-web-community-8.0.20.0.msi)</small>	Apr 14, 2020	24.4M	Download
Windows (x86, 32-bit), MSI Installer <small>(mysql-installer-community-8.0.20.0.msi)</small>	Apr 14, 2020	420.6M	Download

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MySQL open source software is provided under the [GPL License](#).

로그인은 무시(나오지 않는 경우도 있음)

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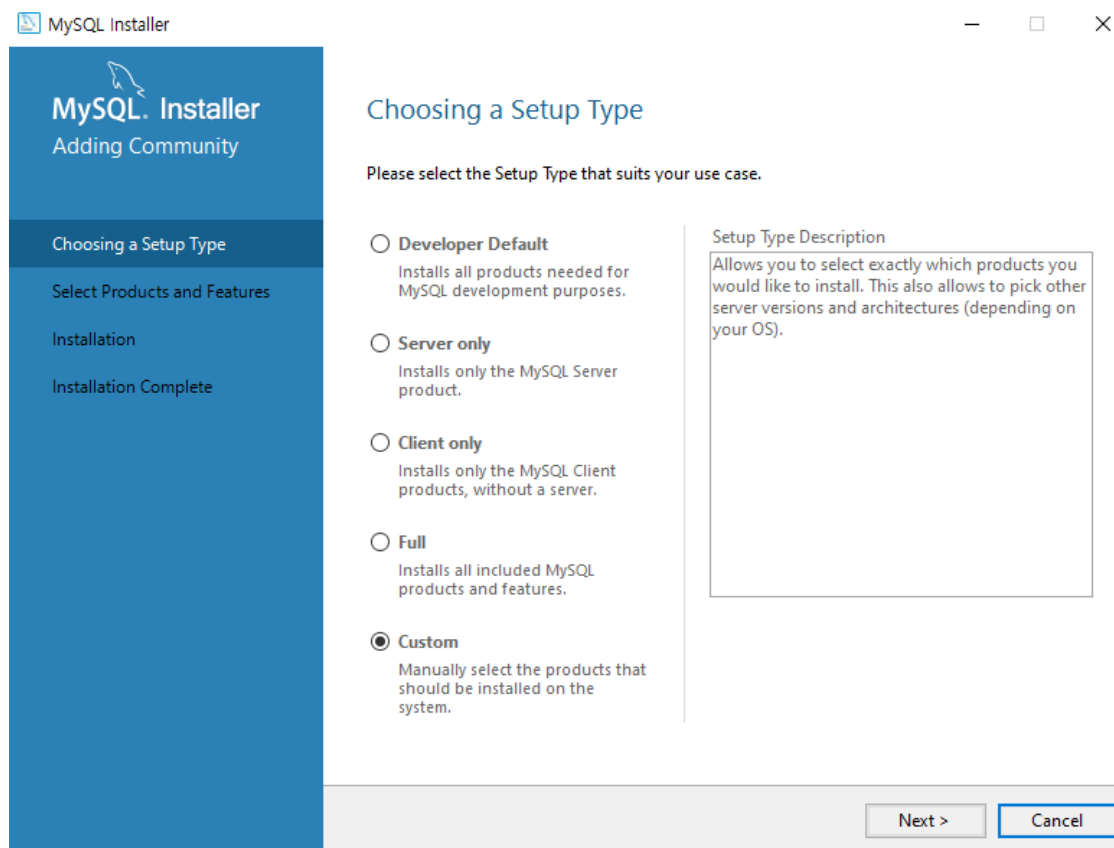
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No thanks, just start my download.

Custom 설정으로 설치를 한다.

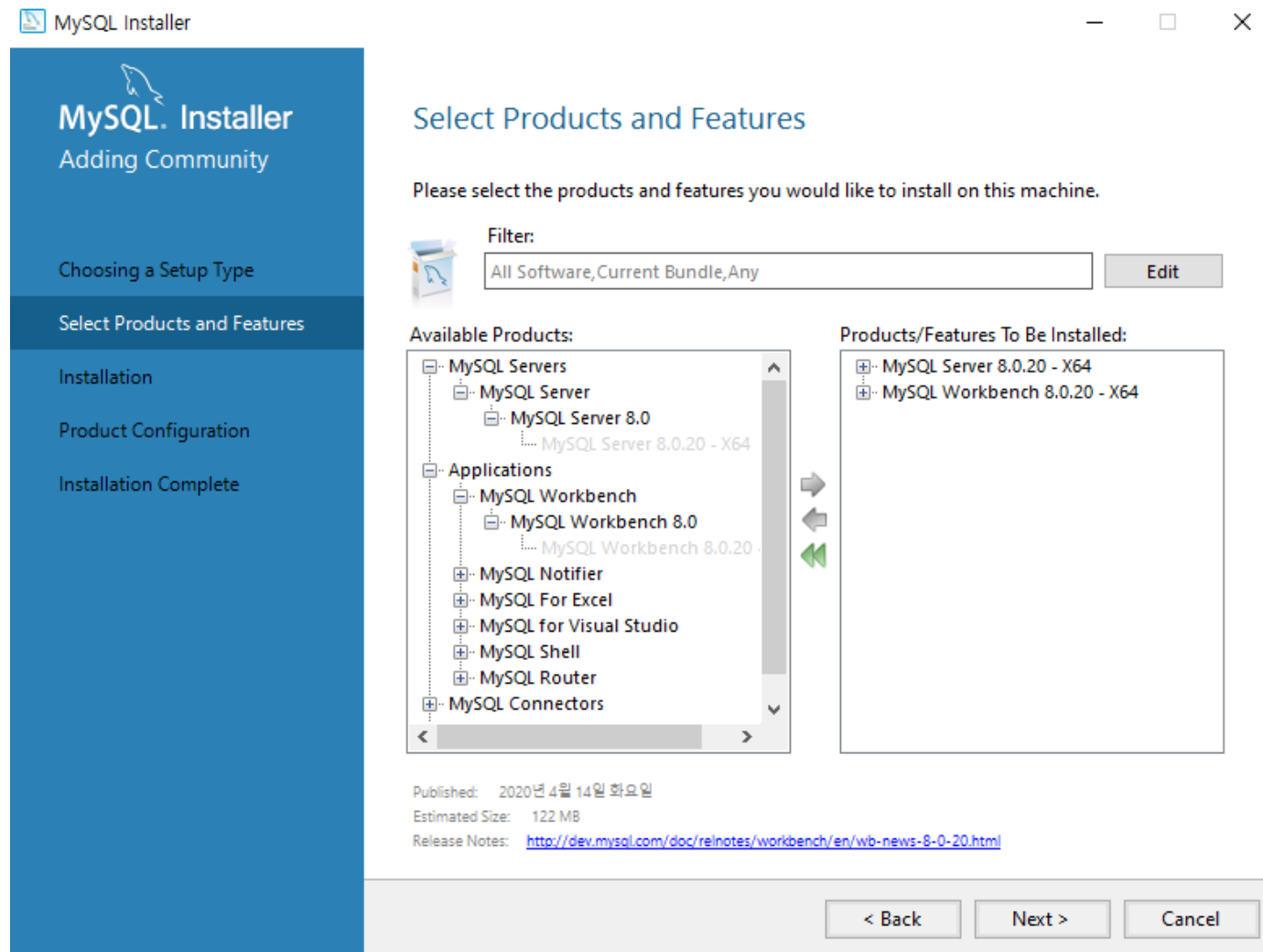
- 실제 강의에 필요한 도구들
 - MySQL Server
 - MySQL Workbench

- 장표에 나오지 않는 화면이 있다면
Next 버튼 등을 눌러 다음화면으로 이동



Custom 설정으로 설치를 한다.

- 실제 강의에 필요한 도구들
 - MySQL Server
 - MySQL Workbench



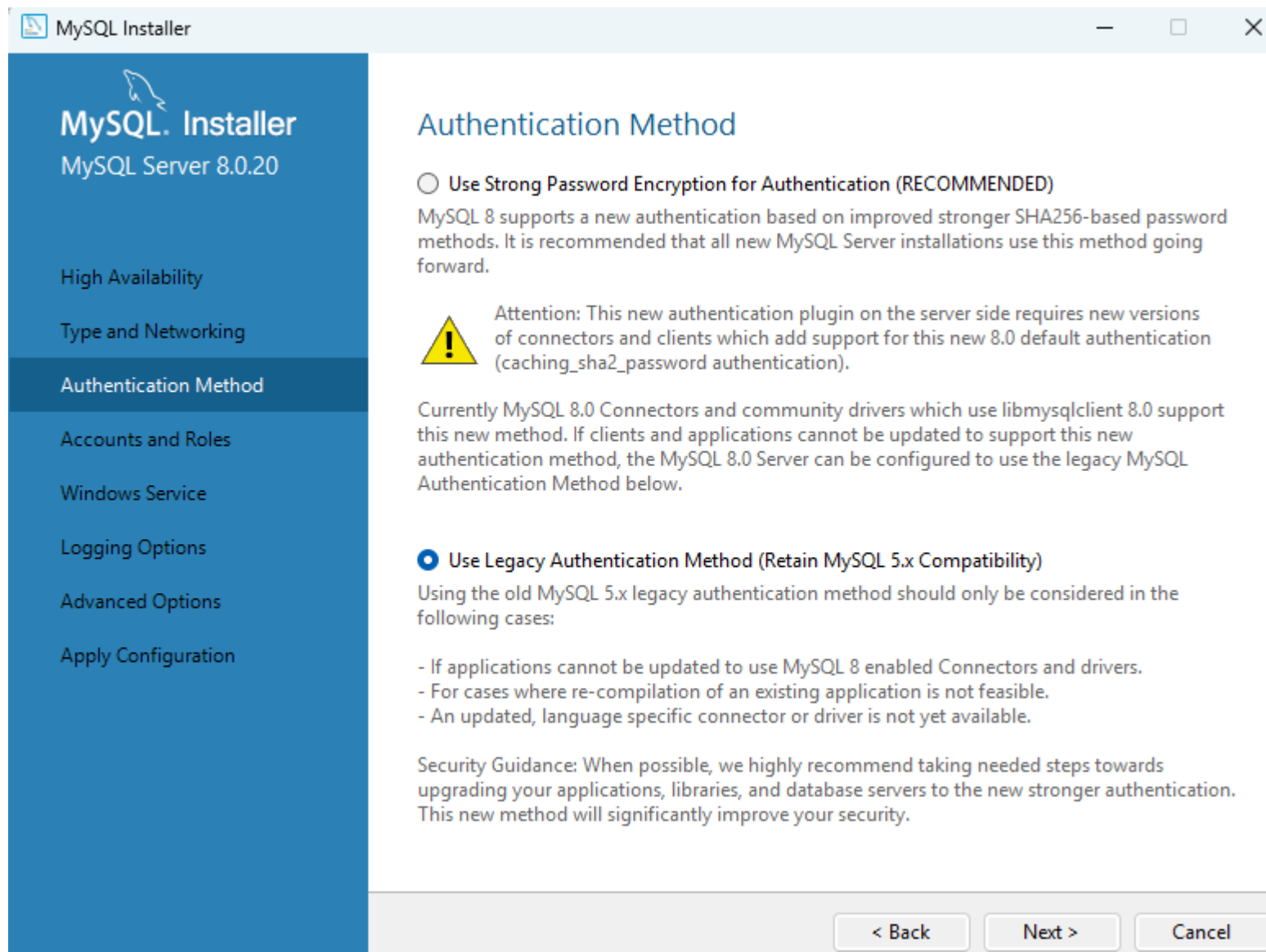
Logging Option 선택

The screenshot shows the MySQL Installer window for MySQL Server 8.0.20. The left sidebar contains the following navigation items: High Availability, Type and Networking (selected), Authentication Method, Accounts and Roles, Windows Service, Logging Options, Advanced Options, and Apply Configuration. The main content area is titled 'Type and Networking' and includes the following sections:

- Server Configuration Type**
Choose the correct server configuration type for this MySQL Server installation. This setting will define how much system resources are assigned to the MySQL Server instance.
Config Type: Development Computer
- Connectivity**
Use the following controls to select how you would like to connect to this server.
 - ☒ TCP/IP Port: 3306 X Protocol Port: 33060
 - ☒ Open Windows Firewall ports for network access
 - ☐ Named Pipe Pipe Name: MYSQL
 - ☐ Shared Memory Memory Name: MYSQL
- Advanced Configuration**
Select the check box below to get additional configuration pages where you can set advanced and logging options for this server instance.
 - ☒ Show Advanced and Logging Options

At the bottom of the window are three buttons: < Back, Next >, and Cancel.

레거시로 선택



비밀번호 설정

- 비밀번호는 root
- 실전에선 말도 안되지만, 실습 목적

MySQL Installer

MySQL. Installer
MySQL Server 8.0.20

High Availability

Type and Networking

Authentication Method

Accounts and Roles

Windows Service

Logging Options

Advanced Options

Apply Configuration

Accounts and Roles

Root Account Password
Enter the password for the root account. Please remember to store this password in a secure place.

MySQL Root Password:

Repeat Password:

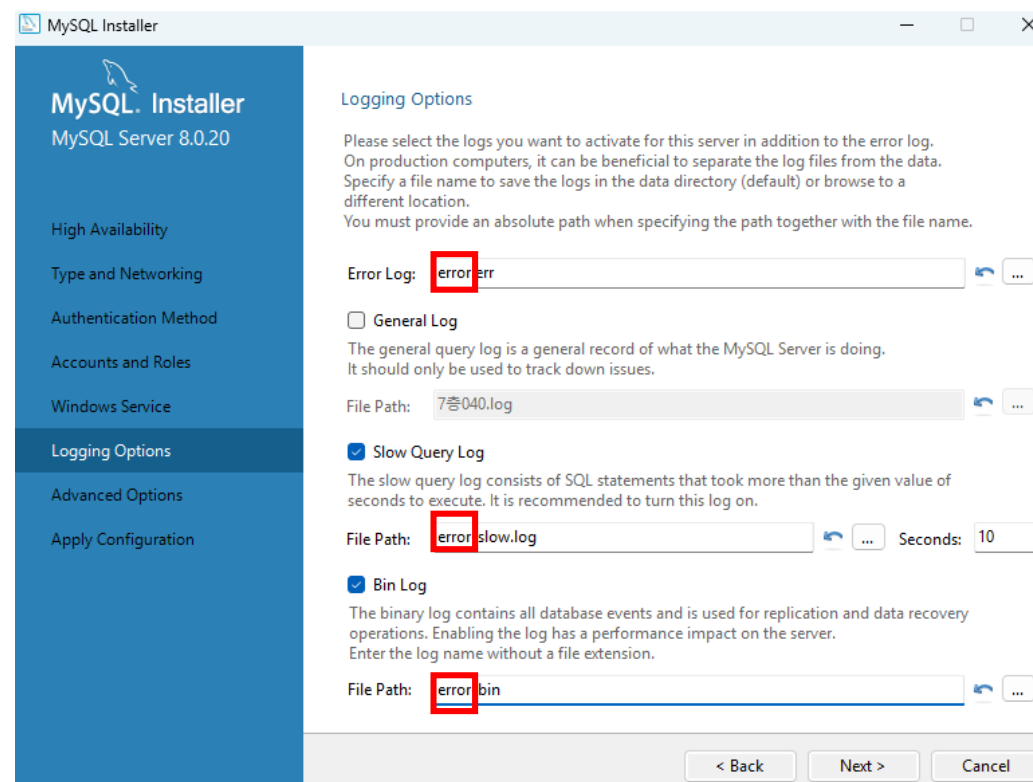
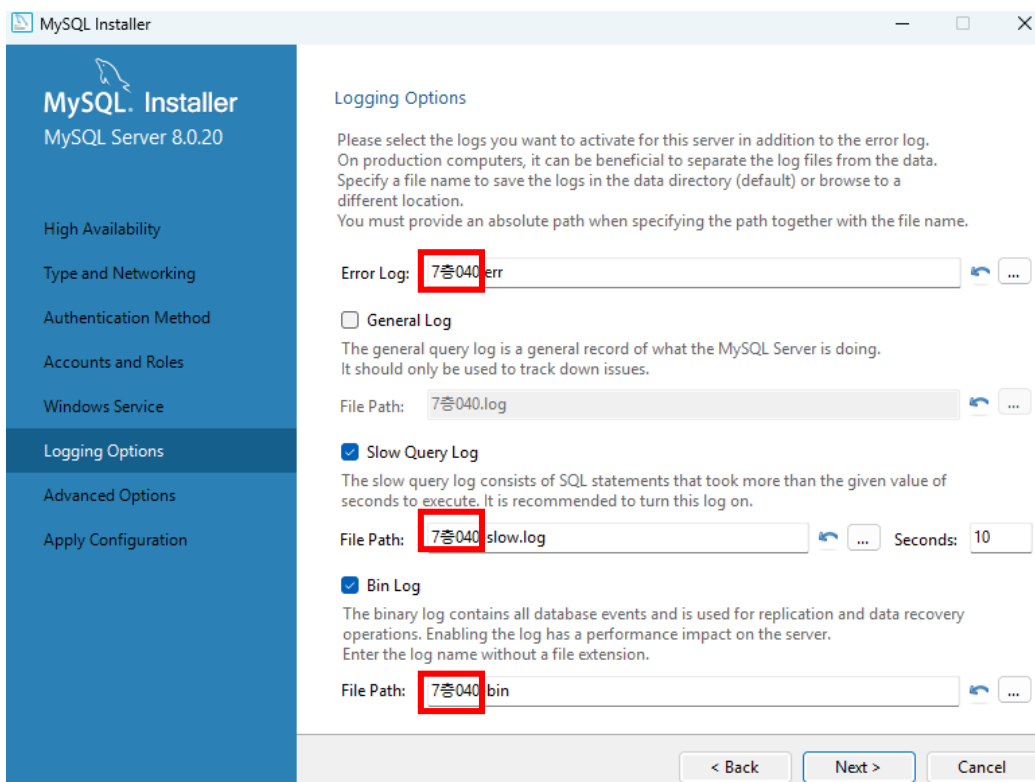
Password strength: **Weak**

MySQL User Accounts

Create MySQL user accounts for your users and applications. Assign a role to the user that consists of a set of privileges.

MySQL User Name	Host	User Role
-----------------	------	-----------

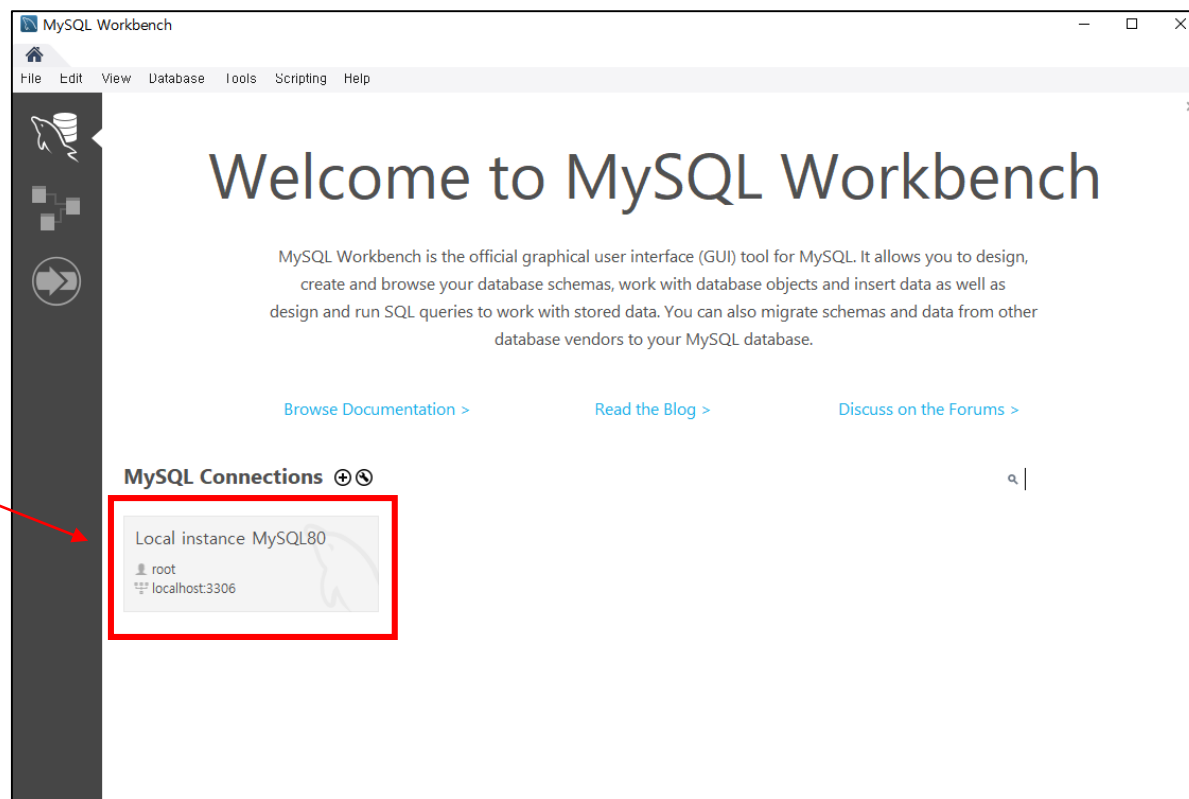
한글로 된 부분을 영어로 변경



MySQL Workbench 동작 Test

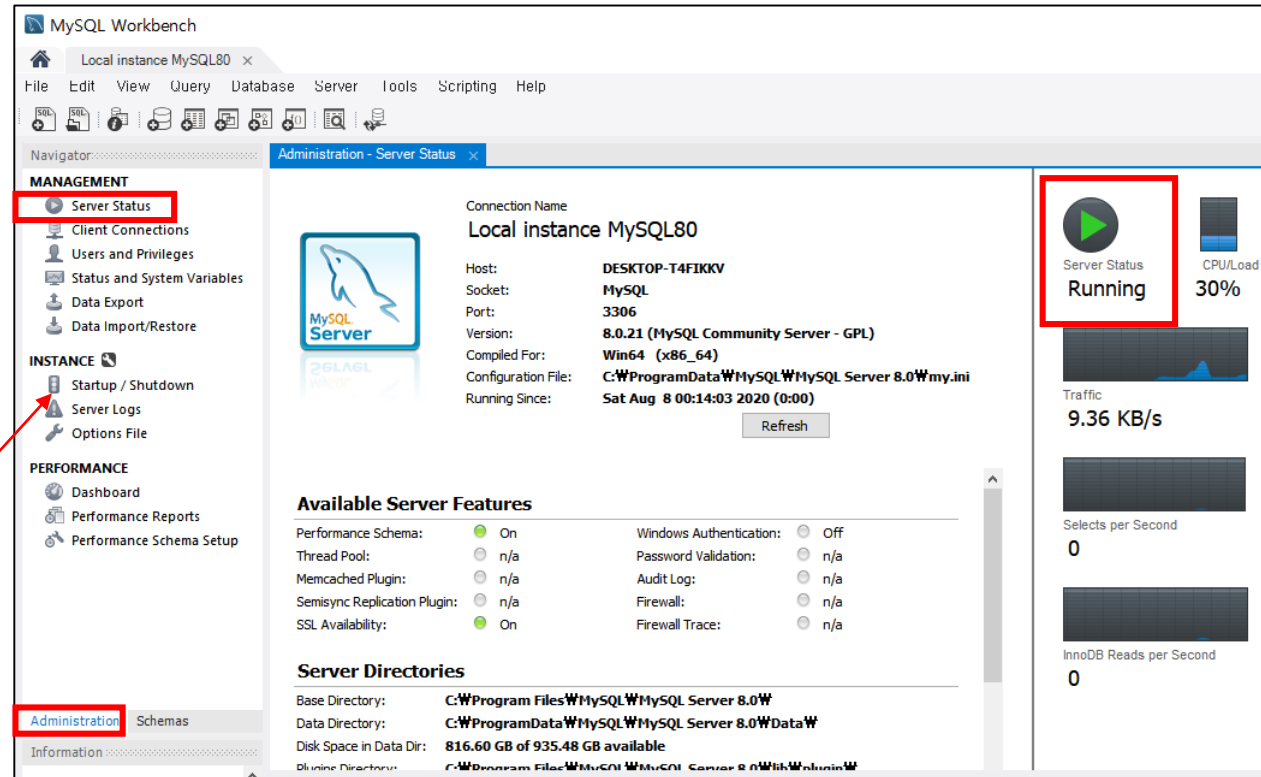
- 생성된 DB Instance에 접속할 수 있도록, 접속 정보가 등록 되어있음

설치 과정에서 추가된
DB Server (DB Instance)에
접속할 수 있다.



정상적으로 Local Server가 운영되고 있음을 확인할 수 있다.

- DB로 접속하여 값을 R/W 할 수 있는 상태



만약 서버가 중지되어 있다면
Startup 해주면 된다.

2장. DB 세팅하기

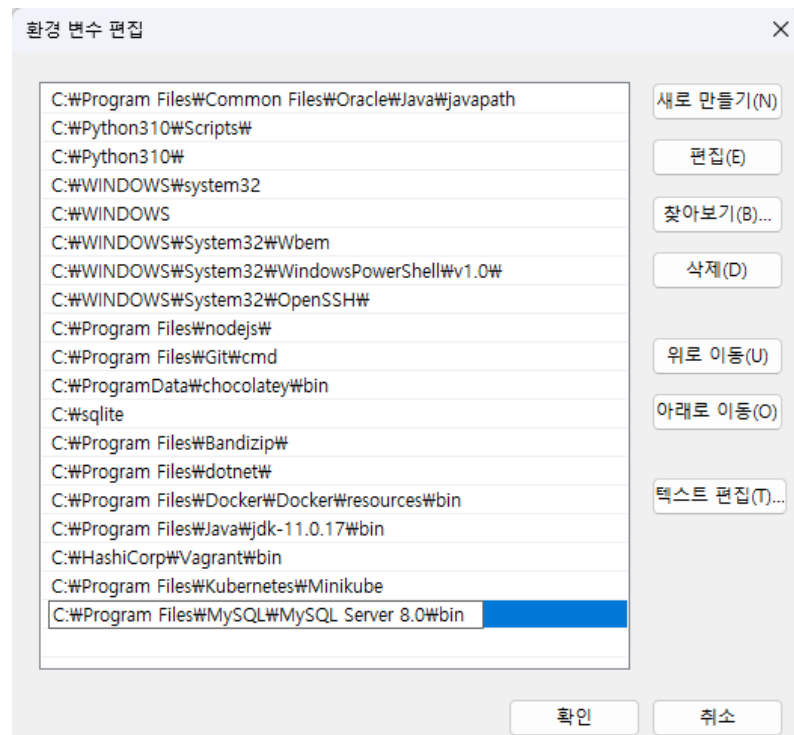
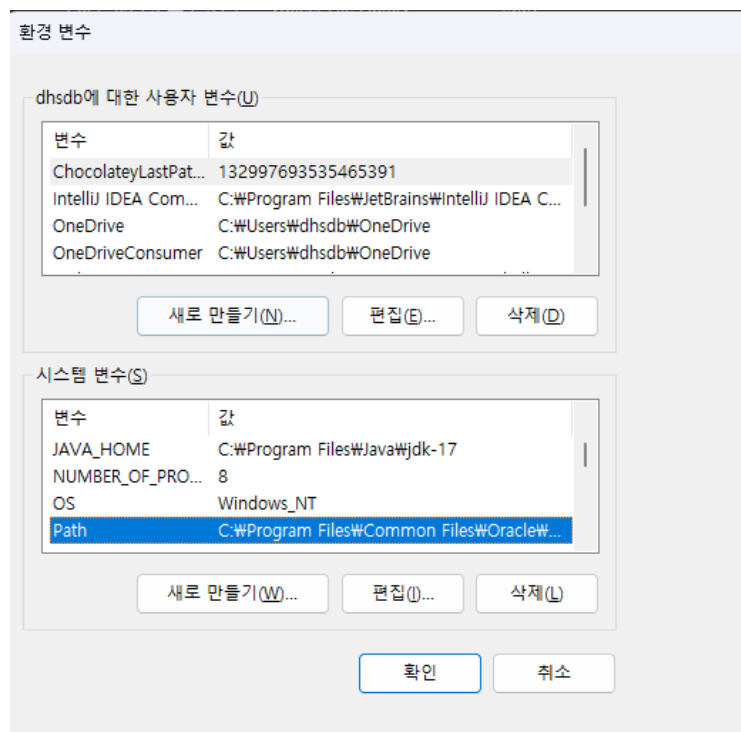
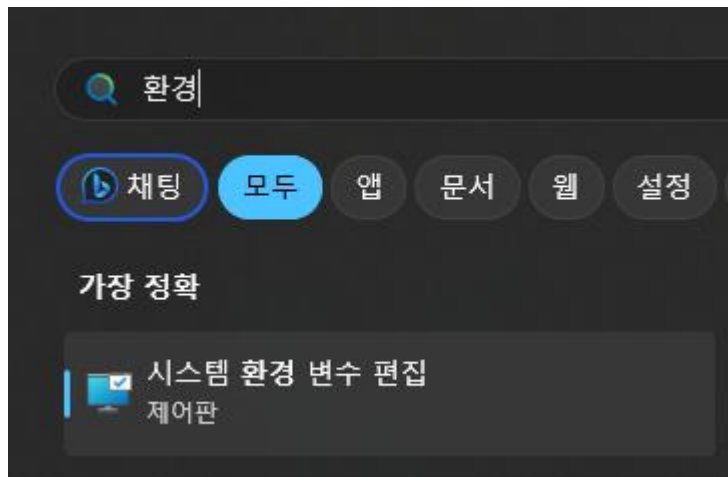
챕터의 포인트

- MySQL 구조
- DB 계정 생성 및 접속
- Sample Table 생성하기

환경 변수 등록하기

환경변수 등록

- 환경변수를 등록하면 해당 파일이 존재하는 디렉토리외에서도 사용이 가능하다
- C:\Program Files\MySQL\MySQL Server 8.0\bin 디렉토리 주소 복사
- Path 더블 클릭 -> 환경변수 넣고 저장



환경변수 등록 체크

- cmd로 터미널을 열고
mysql -u root -p 입력

```
C:\Users\dhsdb>mysql
ERROR 1045 (28000): Access denied for user 'ODBC'@'localhost' (using password: NO)
C:\Users\dhsdb>|
```



```
C:\Users\dhsdb>mysql -u root -p
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 15
Server version: 8.0.29 MySQL Community Server - GPL

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> |
```

명령 프롬프트 창을 띄운 후 mysql 입력

- 해당 에러메세지가 뜨면 path 등록이 잘 된 것이다.

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.18363.959]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\minco>mysql
ERROR 1045 (28000): Access denied for user 'ODBC'@'localhost' (using password: NO)

C:\Users\minco>
```

mysql -u [계정아이디] -p

```
C:\Users\dhsdb>mysql -u root -p
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 15
Server version: 8.0.29 MySQL Community Server - GPL

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> |
```

샘플 데이터 다운로드

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- 쿼리문을 연습하기 좋은 데이터베이스
- <https://www.mysql.com/>
공식사이트 > document > More 클릭
- 다운로드 후 압축 풀기

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- **Archives:** the documentation archives
- **About:** information about MySQL documentation and the MySQL documentation team

MySQL Server Doxygen Documentation

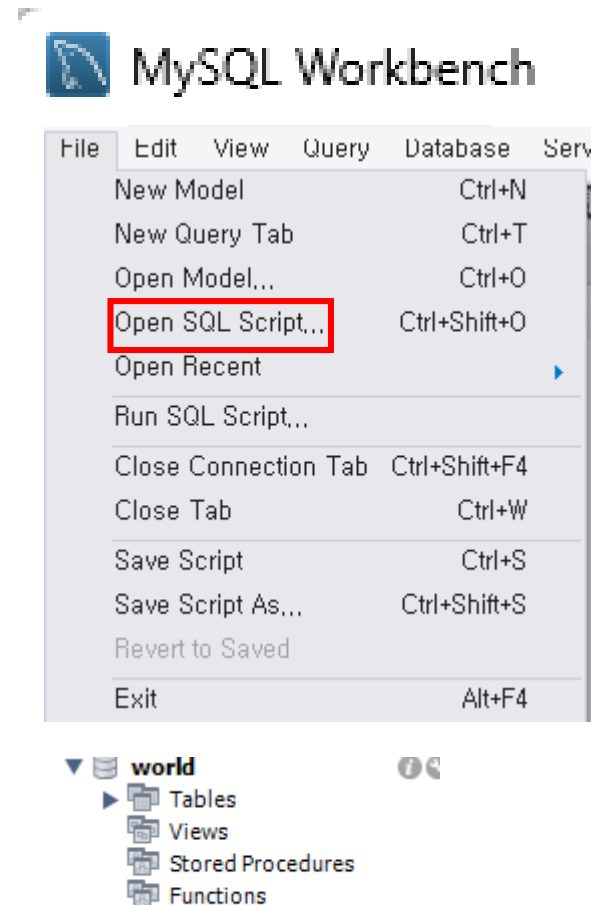
Title	HTML Online
MySQL Server (latest version)	View

Expert Guides

Language	Title	Version	HTML Online	PDF
English	Extending MySQL	9.0	View	US Ltr A4
English	Extending MySQL	8.4	View	US Ltr A4
English	Extending MySQL	8.0	View	US Ltr A4
English	Extending MySQL	5.7	View	US Ltr A4

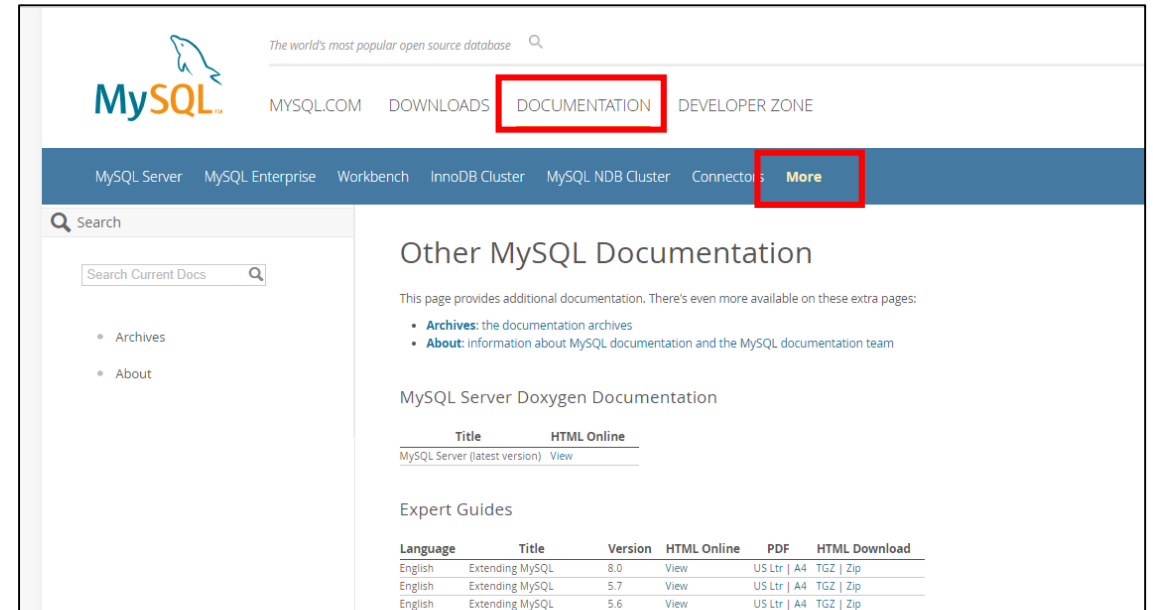
Example Databases

Title	DB Download	HTML Setup Guide	PDF Setup Guide
employee data (large dataset, includes data and test/verification suite)	GitHub	View	US Ltr A4
world database	TGZ Zip	View	US Ltr A4
sakila database	TGZ Zip	View	US Ltr A4
airportdb database (large dataset, intended for MySQL on OCI and HeatWave)	TGZ Zip	View	US Ltr A4
menagerie database	TGZ Zip		



employees 데이터베이스 다운로드

- 쿼리문을 연습하기 좋은 데이터베이스
- <https://www.mysql.com/>
공식사이트 > document > More 클릭

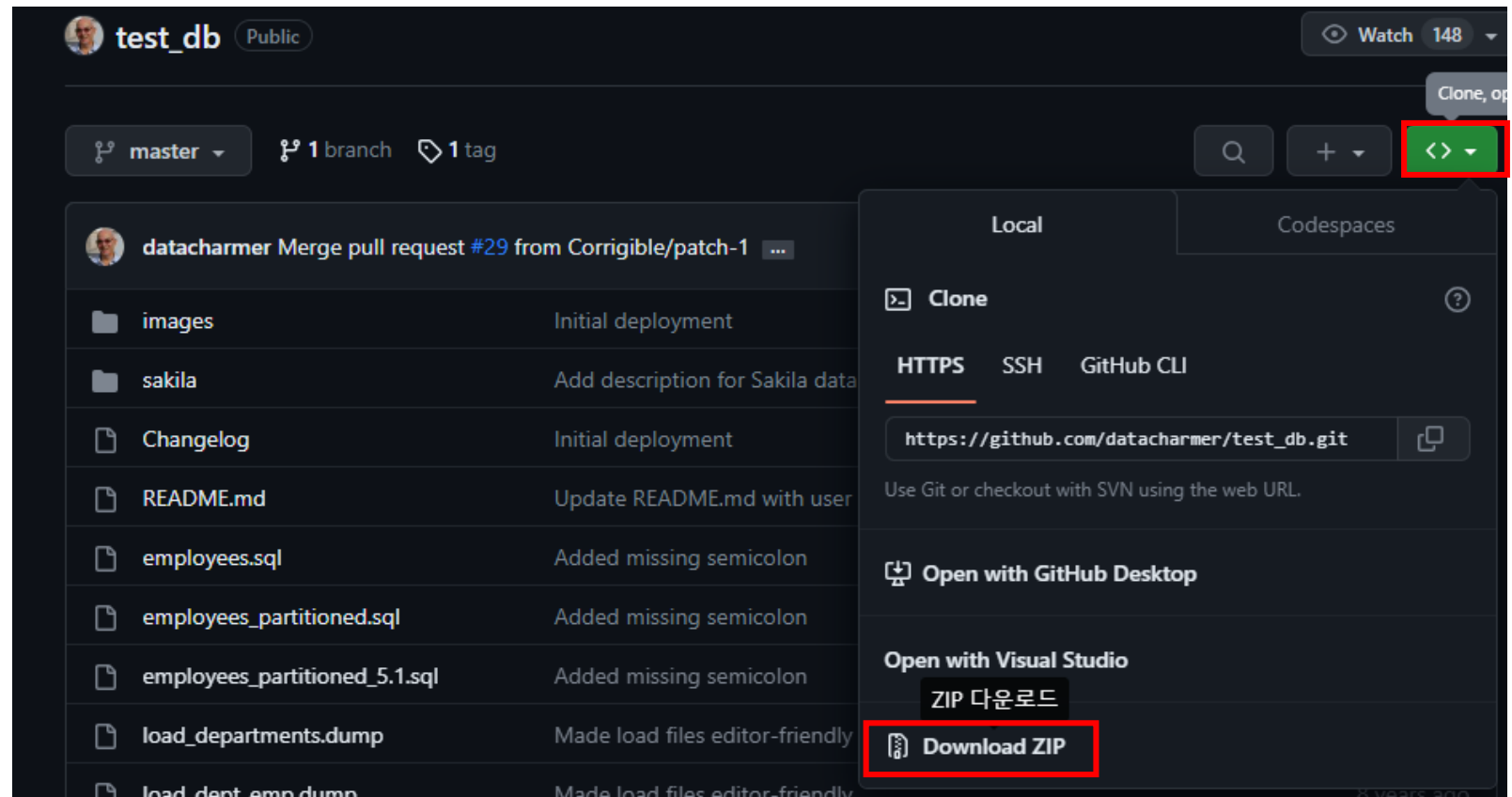


Example Databases

Title	Download DB	HTML Setup Guide	PDF Setup Guide
employee data (large dataset, includes data and test/verification suite)	GitHub	View	US Ltr A4
world database	Gzip Zip	View	US Ltr A4
world_x database	TGZ Zip	View	US Ltr A4
sakila database	TGZ Zip	View	US Ltr A4
menagerie database	TGZ Zip		

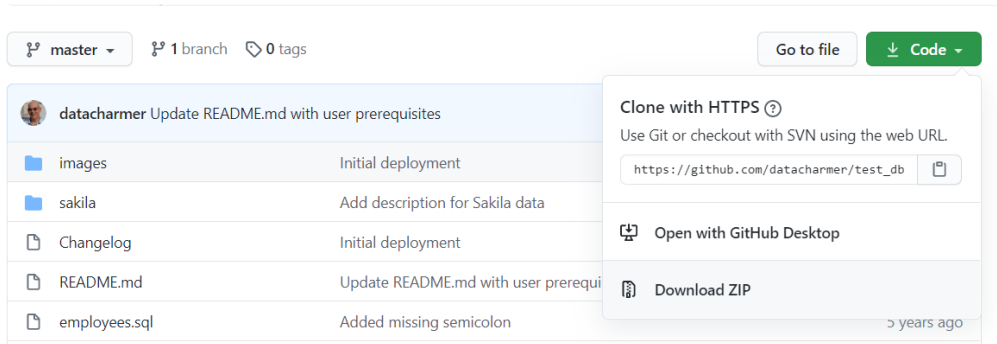
ZIP 다운로드 진행

- 다운로드 후 압축 풀기



mysql console에서 Script를 수행한다.

- git clone을 다운로드 > 압축해제
- CMD 창 띄우고, 해당 폴더로 이동하기



```
C:\Users\minco>cd C:\Users\minco\Downloads\test_db-master\test_db-master
C:\Users\minco\Downloads\test_db-master\test_db-master>
```

root 계정으로 script를 수행한다.

- 약 1분 소요
- 환경변수가 정상적으로 등록된 경우에만 사용가능하다.

```
mysql -u root -p < employees.sql
```

```
Enter password: *****
```

