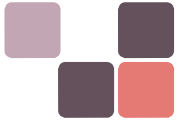




# 2020-하계 계절학기 해외취업역량 (직무)

1DAY - 3  
MY SQL 설치

# MY SQL 설치하기



## 1. Windows 에서 MySQL 설치하기

### MySQL 설치 프로그램 다운로드 하기

<https://dev.mysql.com/downloads/mysql/>

접속하면 하단에 위와 같은 링크가 보임  
Community(GPL) Downloads를 클릭

MySQL Community Edition (GPL)

[Community \(GPL\) Downloads »](#)

## MySQL Community Downloads

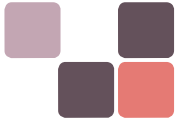
**MySQL Community Server** (GPL)

(Current Generally Available Release: 5.7.21)

MySQL Community Server is the world's most popular open source database.

[DOWNLOAD](#)

# MY SQL 설치하기



2.

[General Availability \(GA\) Releases](#) [Archives](#) [?](#)

## MySQL Community Server 8.0.20

Select Operating System:

Microsoft Windows ▼

[Looking for previous GA versions?](#)


**Recommended Download:**

### MySQL Installer for Windows

**All MySQL Products. For All Windows Platforms. In One Package.**

Starting with MySQL 5.6 the MySQL Installer package replaces the standalone MSI packages.


**Windows (x86, 32 & 64-bit), MySQL Installer MSI**



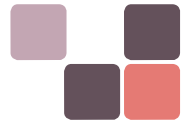
[Go to Download Page >](#)

**Other Downloads:**

<b>Windows (x86, 64-bit), ZIP Archive</b> (mysql-8.0.20-winx64.zip)	8.0.20	187.5M	<a href="#">Download</a>
MD5: 1335fe593b055686823fd69c7ef035f5   <a href="#">Signature</a>			
<b>Windows (x86, 64-bit), ZIP Archive</b> <b>Debug Binaries &amp; Test Suite</b> (mysql-8.0.20-winx64-debug-test.zip)	8.0.20	411.8M	<a href="#">Download</a>
MD5: 377ae6ee648c28455e7d9c948e77ba8f   <a href="#">Signature</a>			

 We suggest that you use the [MD5 checksums](#) and [GnuPG signatures](#) to verify the integrity of the packages you download.

# MY SQL 설치하기



3.

[General Availability \(GA\) Releases](#) [Archives](#) [i](#)

## MySQL Installer 8.0.20


Select Operating System:  
Microsoft Windows

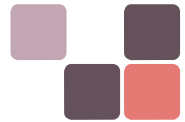
[Looking for previous GA versions?](#)

<b>Windows (x86, 32-bit), MSI Installer</b> (mysql-installer-web-community-8.0.20.0.msi)	8.0.20	24.4M	<a href="#">Download</a>
<b>Windows (x86, 32-bit), MSI Installer</b> (mysql-installer-community-8.0.20.0.msi)	8.0.20	420.6M	<a href="#">Download</a>

MD5: 26ae47807122bf0052b99ebf893b0dac | [Signature](#)

MD5: a69c77fe737654d8931079b4623b9e1a | [Signature](#)

 We suggest that you use the [MD5 checksums](#) and [GnuPG signatures](#) to verify the integrity of the packages you download.



## 4. Ⓣ MySQL Community Downloads

Login Now or Sign Up for a free account.

An Oracle Web Account provides you with the following advantages:

- Fast access to MySQL software downloads
- Download technical White Papers and Presentations
- Post messages in the MySQL Discussion Forums
- Report and track bugs in the MySQL bug system

**Login »**

using my Oracle Web account

**Sign Up »**

for an Oracle Web account

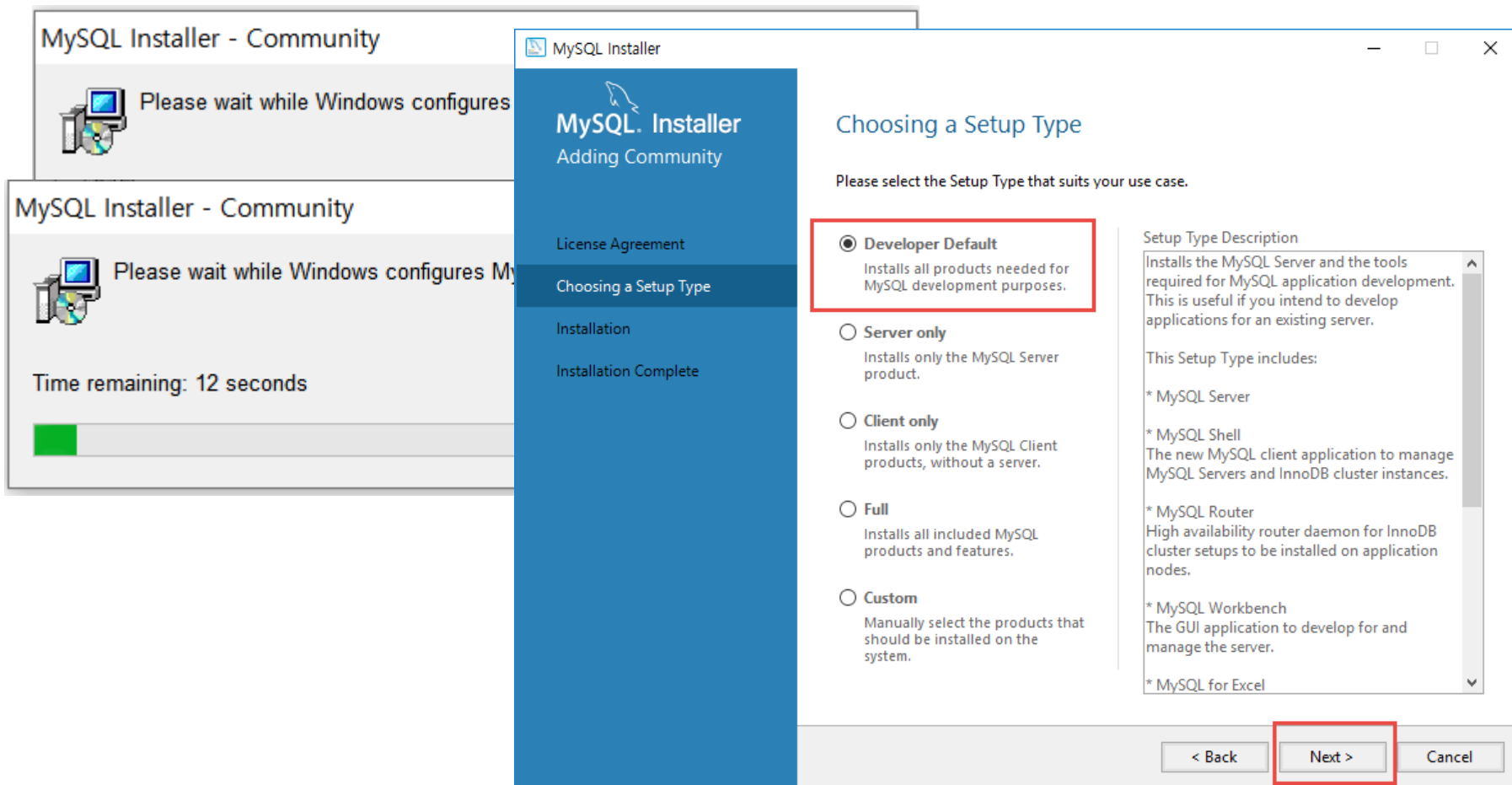
MySQL.com is using Oracle SSO for authentication. If you already have an Oracle Web account, click the Login link. Otherwise, you can sign up for a free account by clicking the Sign Up link and following the instructions.

**No thanks, just start my download.**

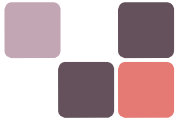
# MY SQL 설치하기



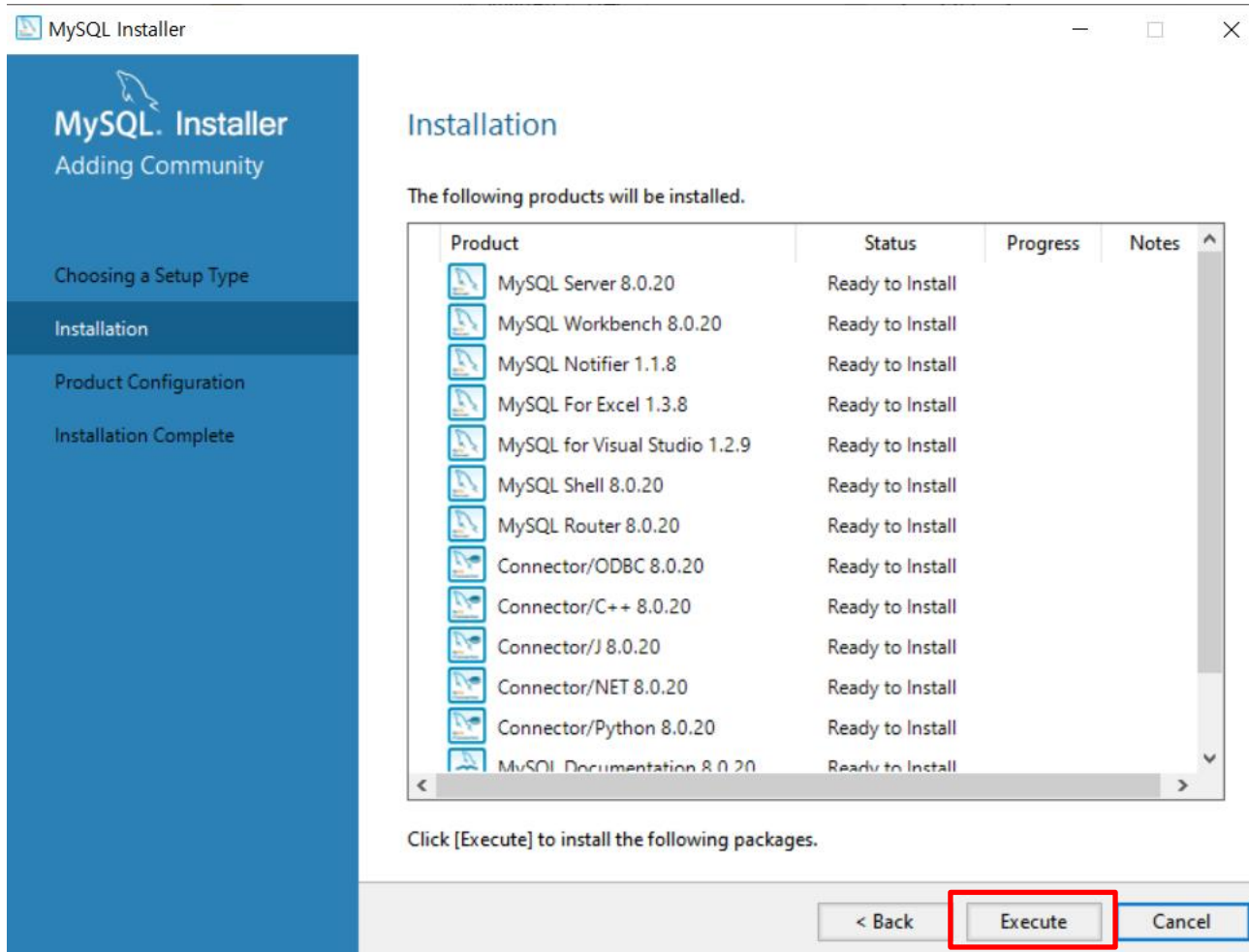
5.



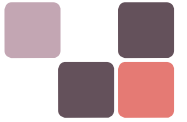
# MY SQL 설치하기



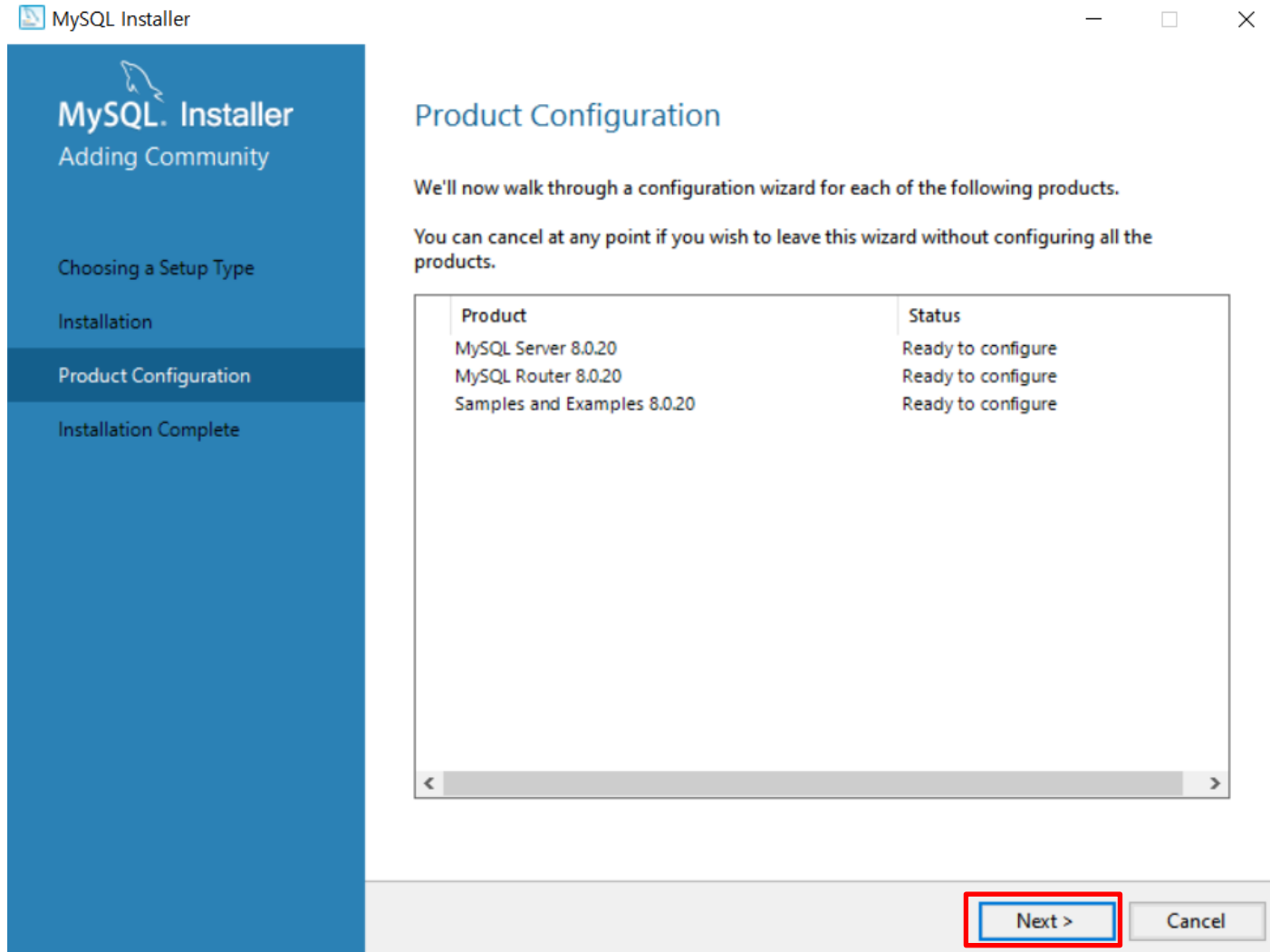
6.



# MY SQL 설치하기



7.





# MY SQL 설치하기



8.



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

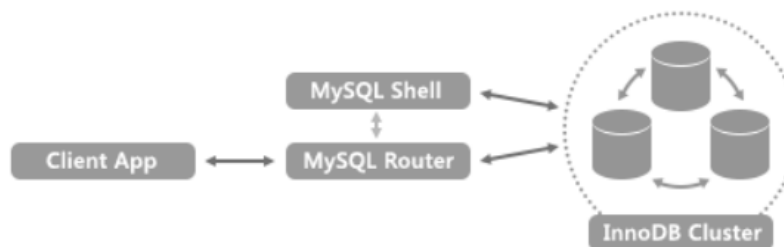
## High Availability

### ☒ Standalone MySQL Server / Classic MySQL Replication

Choose this option to run the MySQL instance as a standalone database server with the opportunity to configure classic replication later. With this option, you can provide your own high-availability solution, if required.

### ☐ InnoDB Cluster

The InnoDB cluster technology provides an out-of-the-box high availability (HA) solution for MySQL using Group Replication.



Note: [InnoDB cluster](#) requires a minimum of three MySQL server instances to provide a fully automated HA solution. Members of a cluster should be located such that network communication latency between servers is low.

Next >

Cancel

# MY SQL 설치하기



9.

MySQL Installer

MySQL. Installer  
MySQL Server 8.0.20

High Availability

Type and Networking

Authentication Method

Accounts and Roles

Windows Service

Apply Configuration

### Type and Networking

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

< Back Next > Cancel

# MY SQL 설치하기



## 10. MySQL Installer

MySQL Installer  
MySQL Server 8.0.20

High Availability  
Type and Networking  
Authentication Method  
**Accounts and Roles**  
Windows Service  
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
-----------------	------	-----------

Add User  
Edit User  
Delete

< Back **Next >** Cancel

# MY SQL 설치하기



## 11. MySQL Installer

MySQL Installer  
MySQL Server 8.0.20

High Availability  
Type and Networking  
Authentication Method  
Accounts and Roles  
**Windows Service**  
Apply Configuration

### Windows Service

☒ Configure MySQL Server as a Windows Service

**Windows Service Details**  
Please specify a Windows Service name to be used for this MySQL Server instance. A unique name is required for each instance.

Windows Service Name:

☒ Start the MySQL Server at System Startup

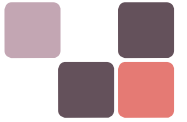
**Run Windows Service as ...**  
The MySQL Server needs to run under a given user account. Based on the security requirements of your system you need to pick one of the options below.

☒ **Standard System Account**  
Recommended for most scenarios.

☐ **Custom User**  
An existing user account can be selected for advanced scenarios.

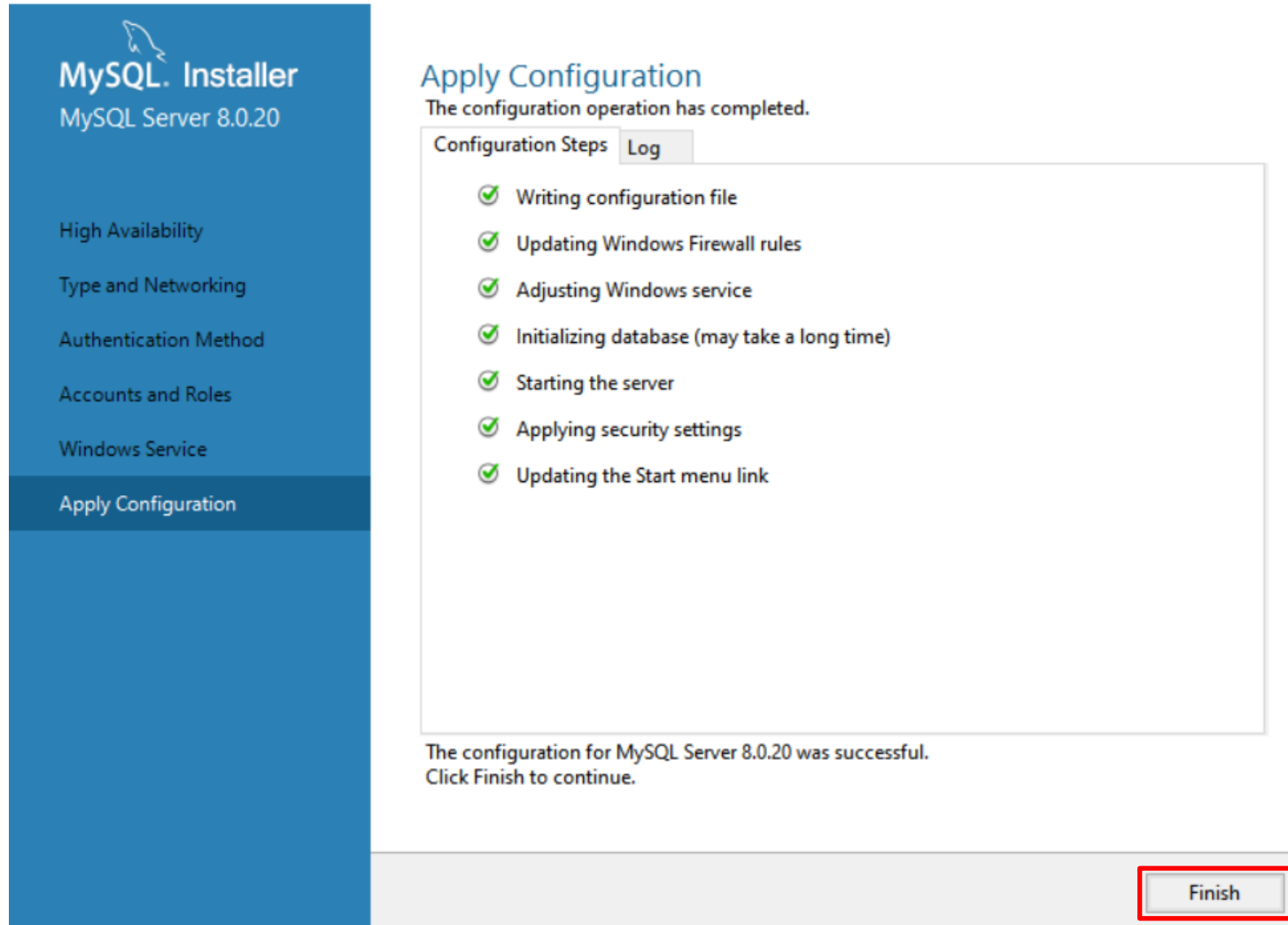
< Back   **Next >**   Cancel

# MY SQL 설치하기



11.

MySQL Installer



# MY SQL 설치하기



12.

The screenshot displays the MySQL Workbench application window. The title bar reads "MySQL Workbench". The menu bar includes "File", "Edit", "View", "Database", "Tools", "Scripting", and "Help". The left sidebar contains icons for Home, Recent, Servers, and a plus sign. The main area shows a "Welcome to MySQL Workbench" message, followed by a description of the tool's capabilities and three links: "Browse Documentation >", "Read the Blog >", and "Discuss on the Forums >". Below this is a "MySQL Connections" section with a "Filter connections" search bar and a list of connections, including "Local instance MySQL Router" with user "root" and host "localhost:3306". In the bottom right, a terminal window titled "C:\Program Files\MySQL\MySQL Shell 1.0\bin\mysqlsh.exe" shows the MySQL Shell 1.0.11 prompt, copyright information, and instructions for using the shell.

MySQL Workbench

File Edit View Database Tools Scripting Help

## Welcome to MySQL Workbench

MySQL Workbench is the official graphical user interface (GUI) tool for MySQL. It allows you to design, create and browse your database schemas, work with database objects and insert data as well as design and run SQL queries to work with stored data. You can also migrate schemas and data from other database vendors to your MySQL database.

[Browse Documentation >](#) [Read the Blog >](#) [Discuss on the Forums >](#)

MySQL Connections + ⓘ Filter connections

Local instance MySQL Router

root  
localhost:3306

C:\Program Files\MySQL\MySQL Shell 1.0\bin\mysqlsh.exe

MySQL Shell 1.0.11

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Type '##help' or '##?' for help; '##quit' to exit.

Currently in JavaScript mode. Use ##sql to switch to SQL mode and execute queries.

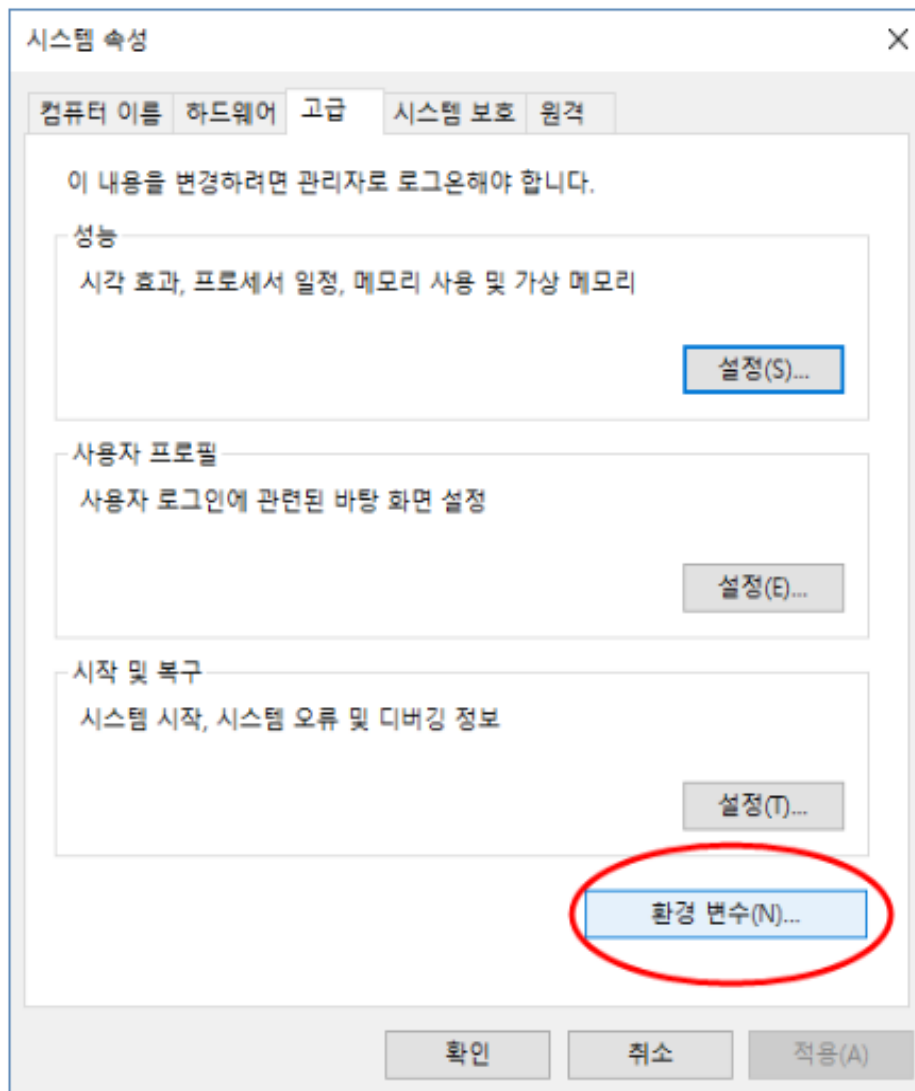
mysql-js>

# MY SQL 환경변수 설정



## 1. MS Windows 10에서의 환경설정

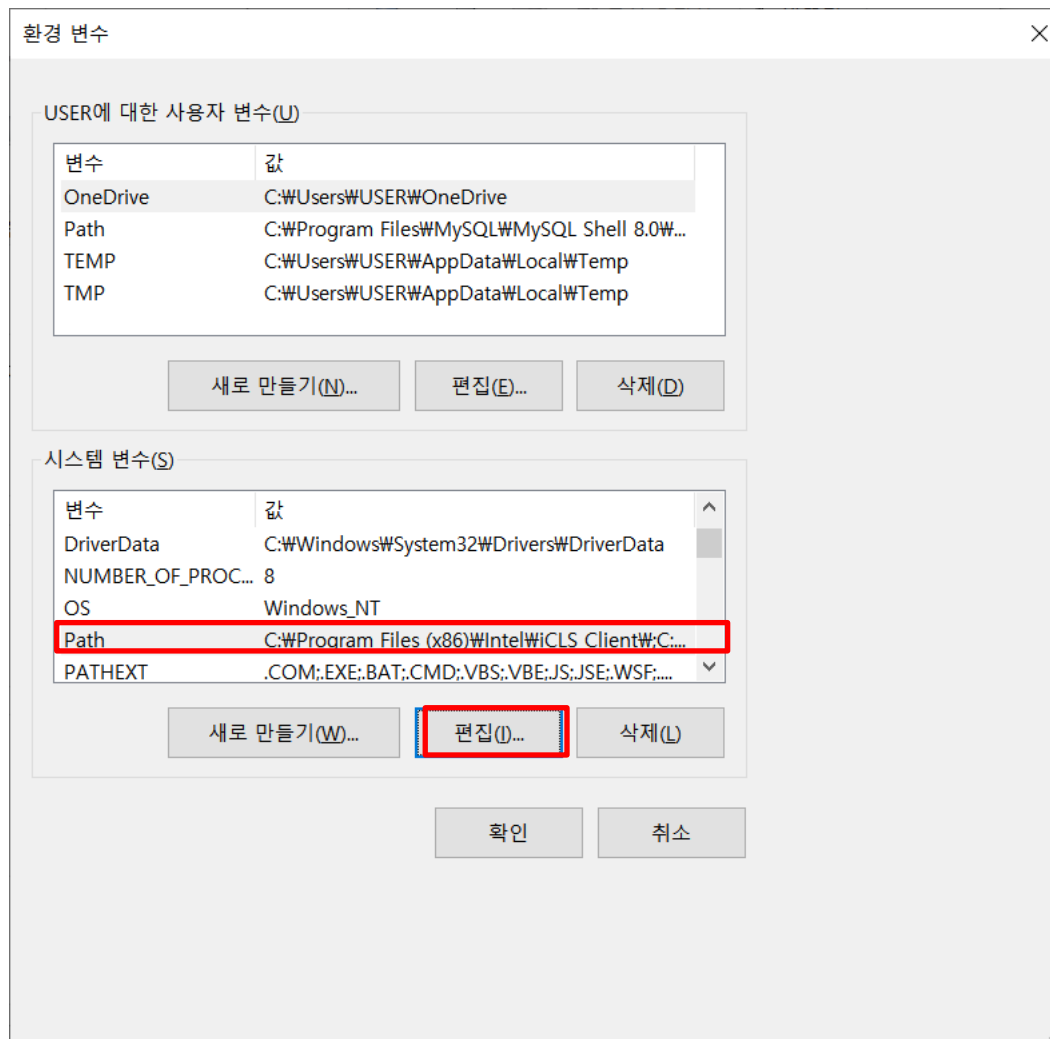
MS Windows 10에서 JDK 관련 환경변수를 설정해 보도록 하겠습니다.



# MY SQL 환경변수 설정



## 시스템변수-path부분 선택-편집 버튼 클릭

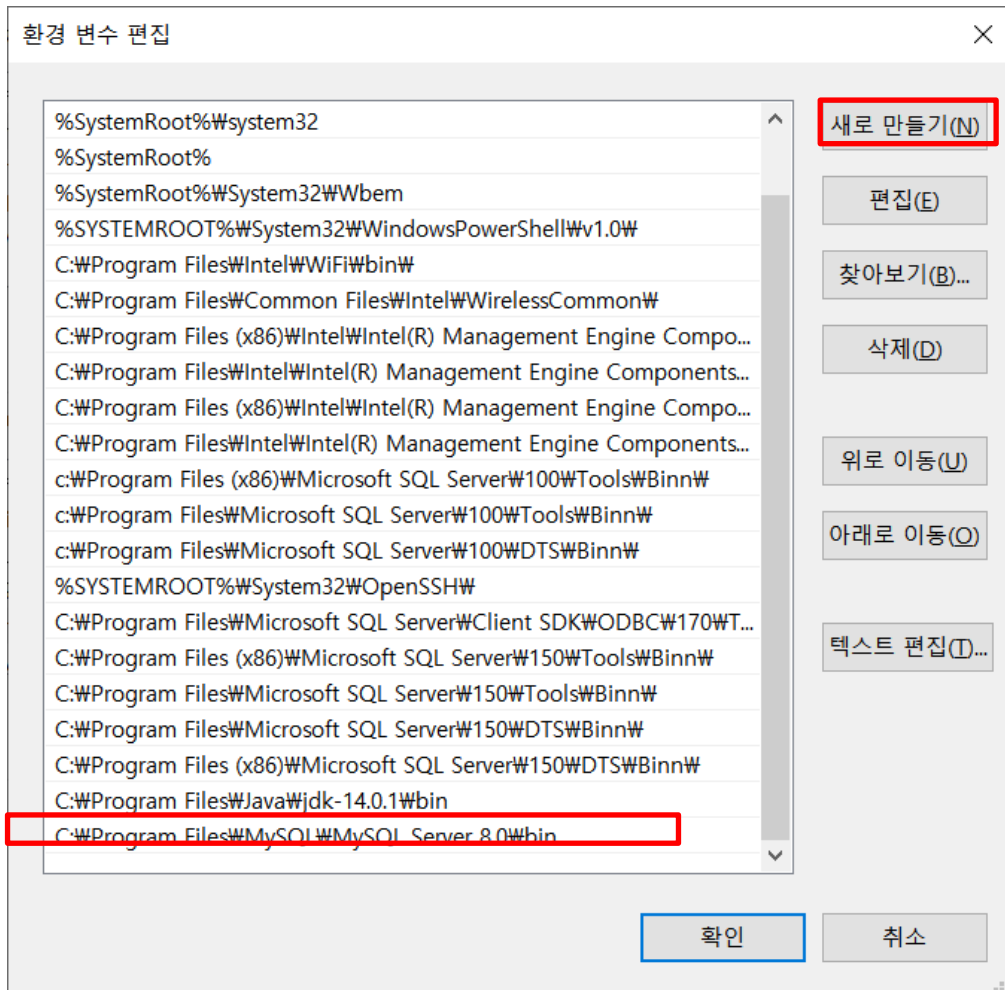


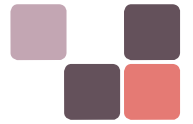


# MY SQL 환경변수 설정



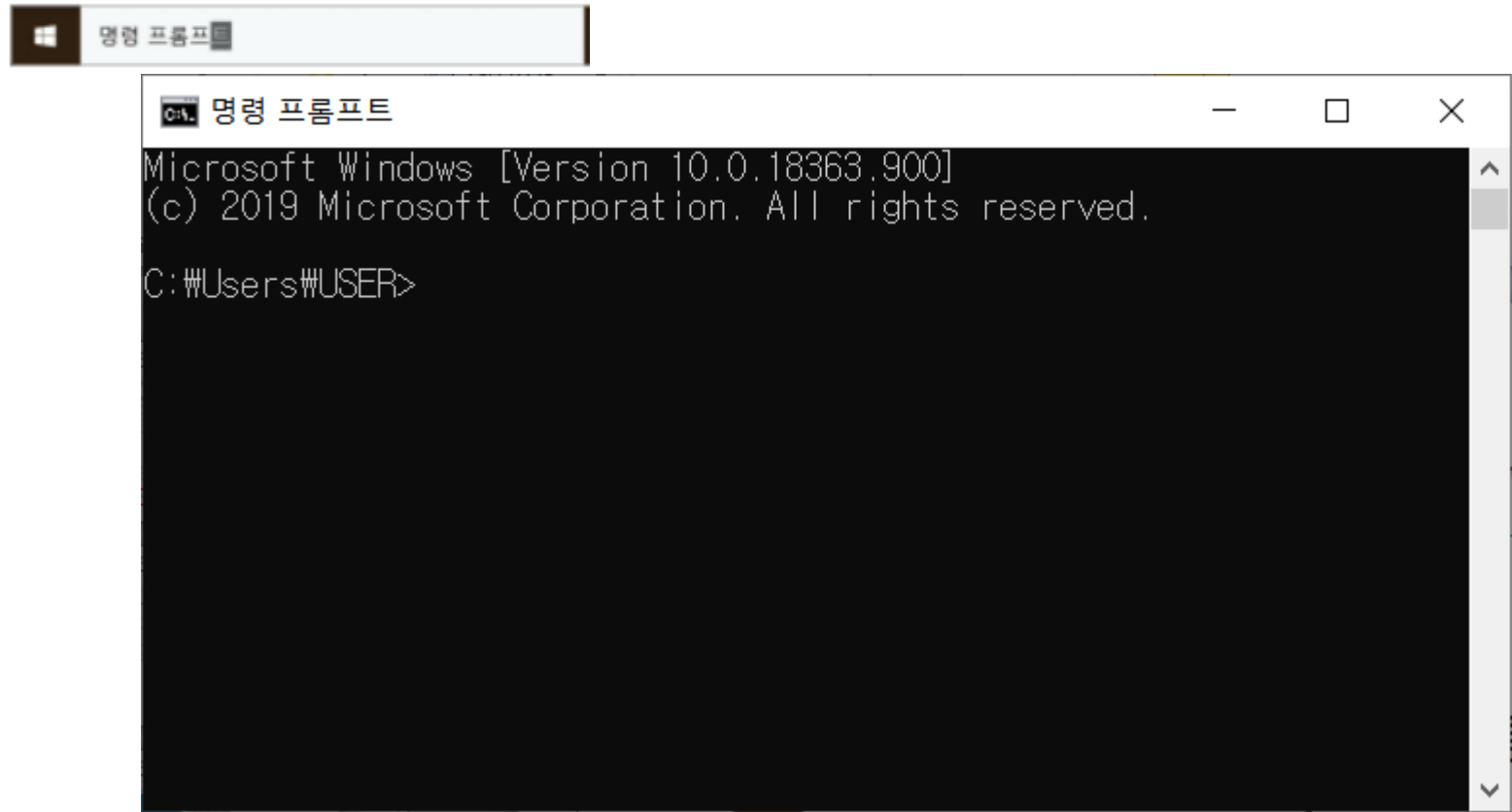
새로만들기 클릭 - C:\Program Files\MySQL\MySQL Server 8.0\bin 입력-확인-확인-확인

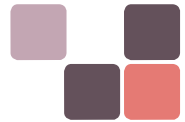




## ❖ COMMAND 프로그램 실행

- 윈도우 작업표시줄 클릭
- 작업표시줄에 'CMD' 또는 '명령프롬프트' 입력





## ❖ 명령 실행

`my sql -uroot -proot`

- `my sql -uroot -proot`
- `-u` : 유저명에 대한 명령문
- `-p` : 유저의 비밀번호에 대한 명령문

```
선택 명령 프롬프트 - mysql -uroot -proot
Microsoft Windows [Version 10.0.18363.900]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\USER>mysql -uroot -proot
mysql: [Warning] Using a password on the command line interface can be insecure.
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 16
Server version: 8.0.20 MySQL Community Server - GPL

Copyright (c) 2000, 2020, Oracle and/or its affiliates. All rights reserved.

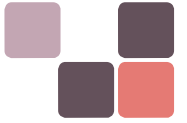
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affiliates. Other names may be trademarks of their respective
owners.

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

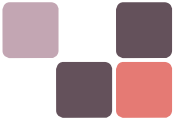
mysql>
```



- ❖ MySQL DBMS를 잘 설치하셨나요?
- ❖ DBMS는 여러 명의 사용자가 동시에 접속해서 사용할 수 있다고 앞에서 배웠었습니다.
- ❖ 그런데, 개인용 PC에 설치된 MySQL은 항상 켜져 있는 것이 아닐 테니, 여러 사람이 동시에 이용하기 어려울 것입니다.
- ❖ 여러 사람이 동시에 항상 접속해서 사용할 수 있으려면 MySQL을 어떤 컴퓨터에 설치하고 운영해야 할까요



- ❖ 항상 켜져있는 개인용 서버를 운용하거나 클라우드서비스를 지원하는 업체에 서버를 세운다.
- ❖ 서버 컴퓨터에 설치하고 원격으로 접속한다.



Thank You