# 웹서버프로그래밍

한성대학교 컴퓨터공학부

신성







데이터베이스 개발 환경 구축 및 개요, JSP 연동

2



### MySQL

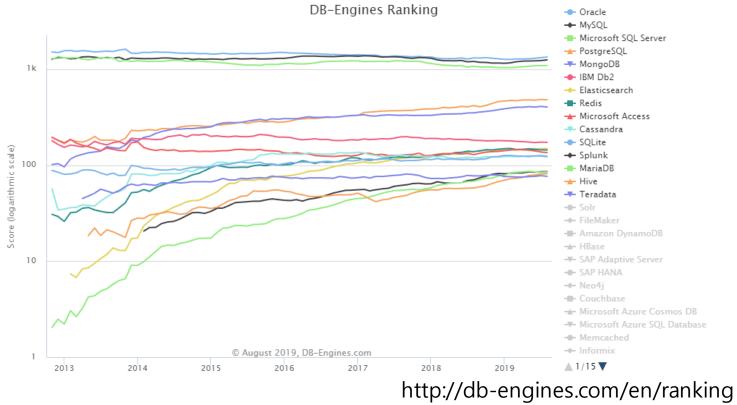
- MySQL
  - A free open-source database management system (DBMS)
    - Pronounced "My S-Q-L" or "My Sequel"
  - A popular choice as the database system for use with web applications (a component of LAMP)
  - Widely used in various web sites
    - Facebook, Google, Wikipedia, Twitter, Flickr, and YouTube







- MySQL usage
  - Ranked second after Oracle; first among open source databases (as of Sept. 2019)





## MySQL Community Server

Download

※ 이미 설치가 되어 있는 학생들은 그냥 사용하셔도 무방합니다.

## https://www.mysql.com/









#### MySQL HeatWave

MySQL HeatWave is a fully managed service that enables customers to run OLTP, OLAP, and machine learning workloads directly from their MySQL Database. HeatWave boosts MySQL performance by 5400x.

Learn More »



#### MySQL Enterprise Edition

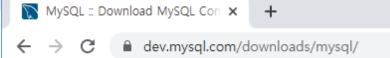
The most comprehensive set of advar support to achieve the highest levels Learn More » MySQL Community Server

MySQL NDB Cluster

MySQL Shell

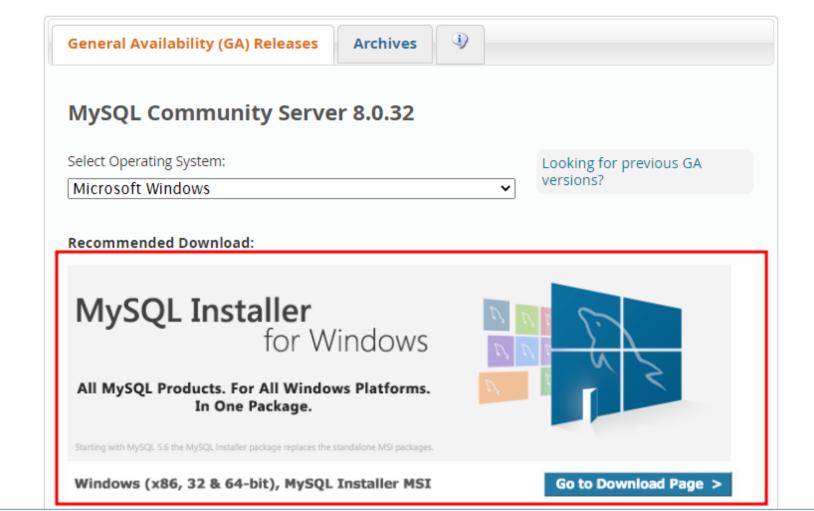
MySQL Router

MySQL Workbench



#### MySQL Community Downloads

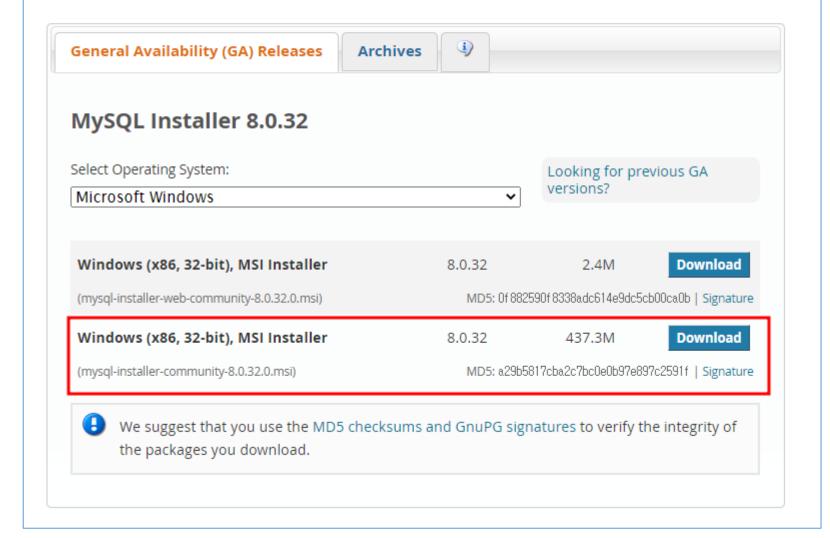
MySQL Community Server





#### MySQL Community Downloads

MySQL Installer





#### 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 »

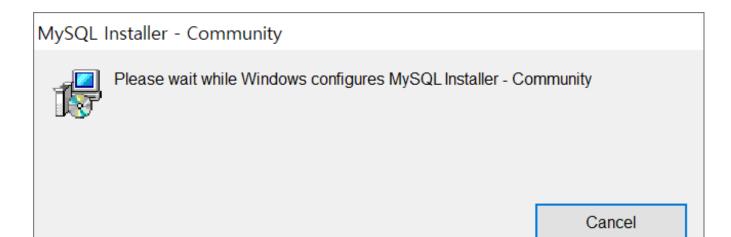
using my Oracle Web account

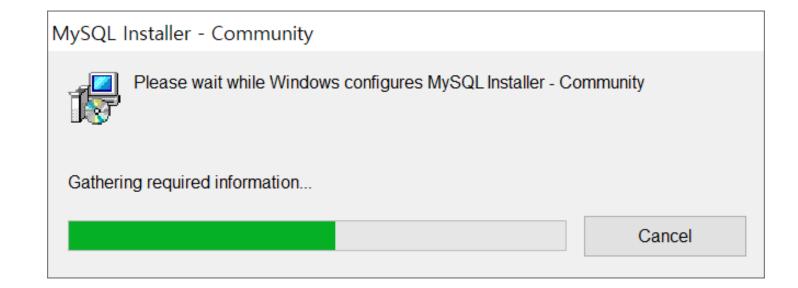
#### Sign Up »

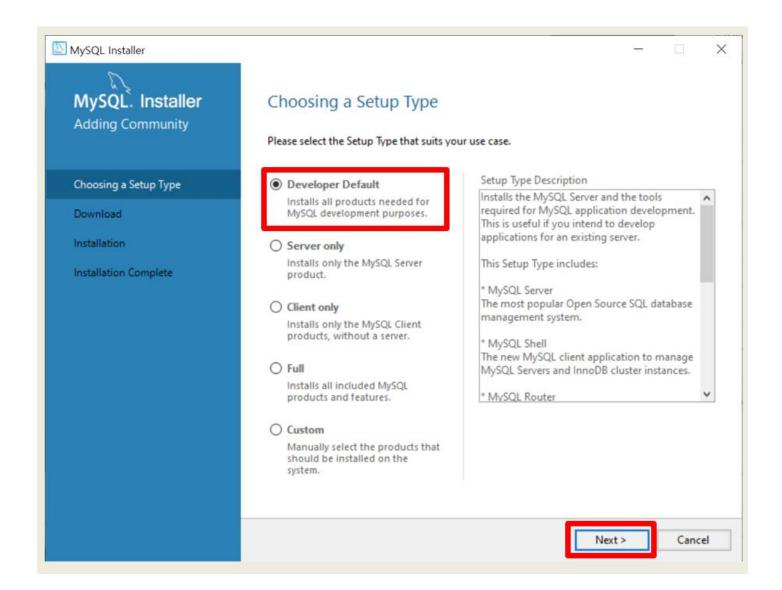
for an Oracle Web account

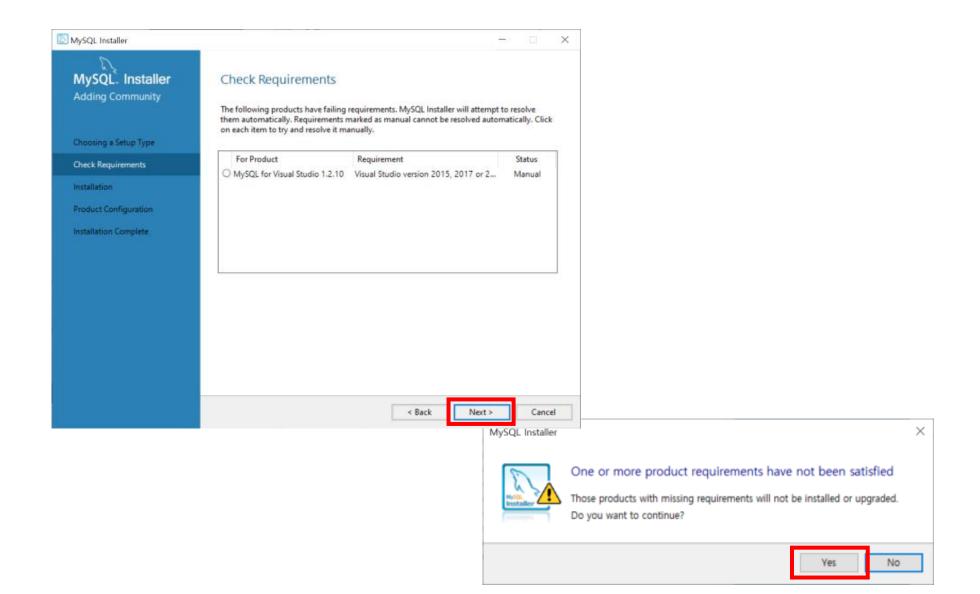
MySQL.com is using Oracle SSO for authentication. If you already have an Oracle Web account, click the Login link. Otherwise, you can signup for a free account by clicking the Sign Up link and following the instructions.

No thanks, just start my download.

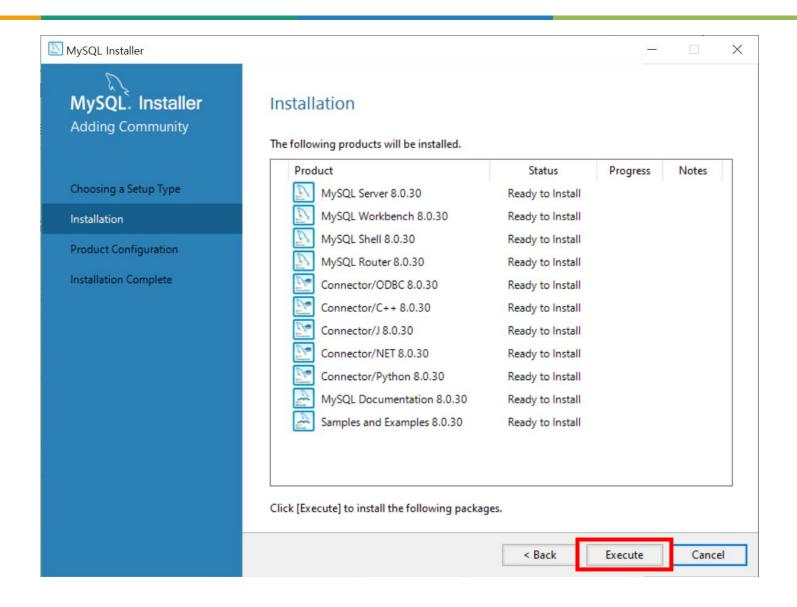




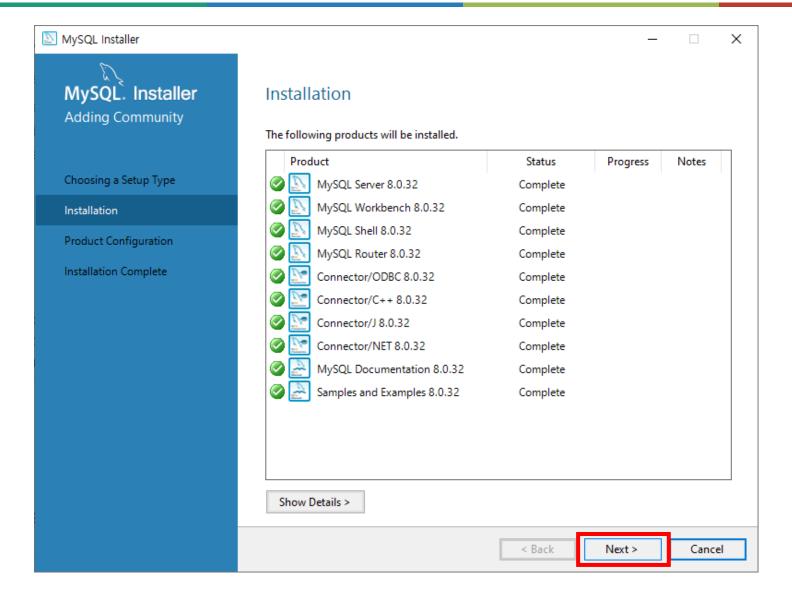




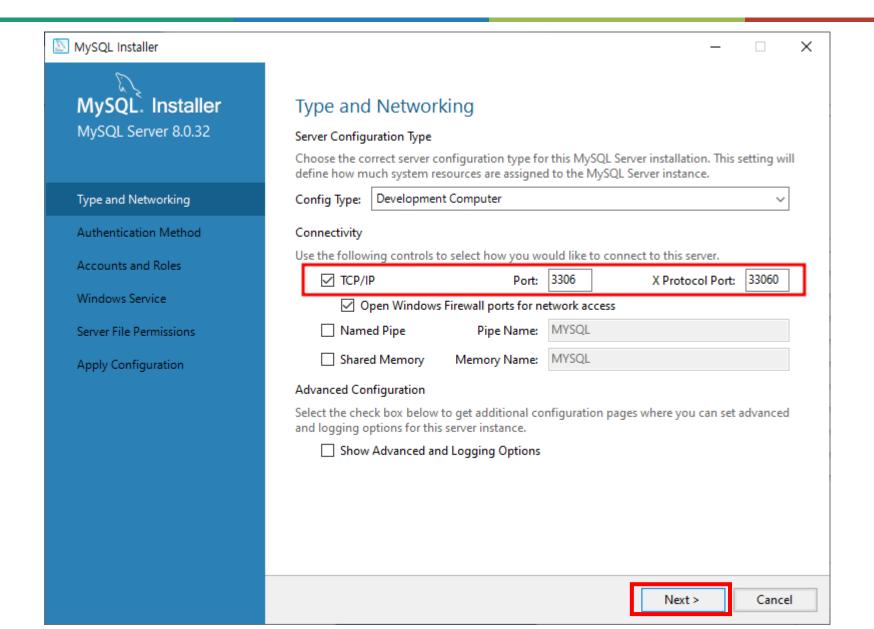


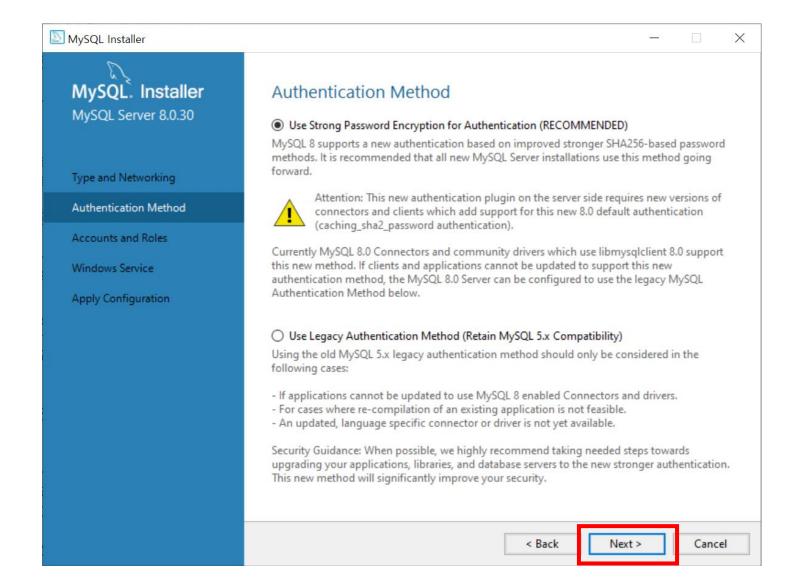




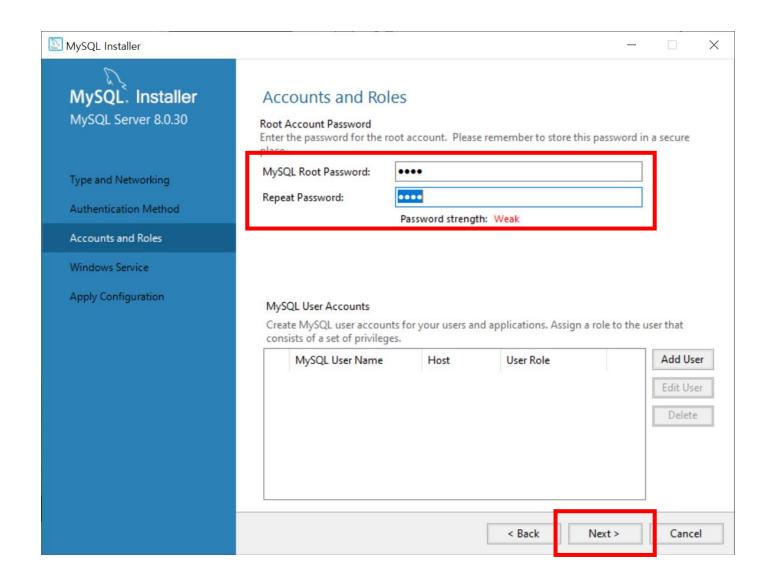


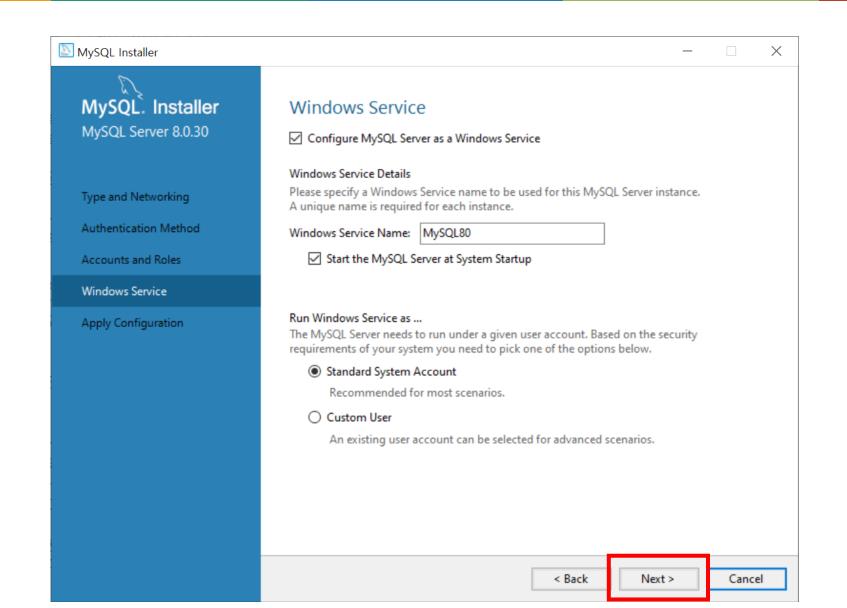


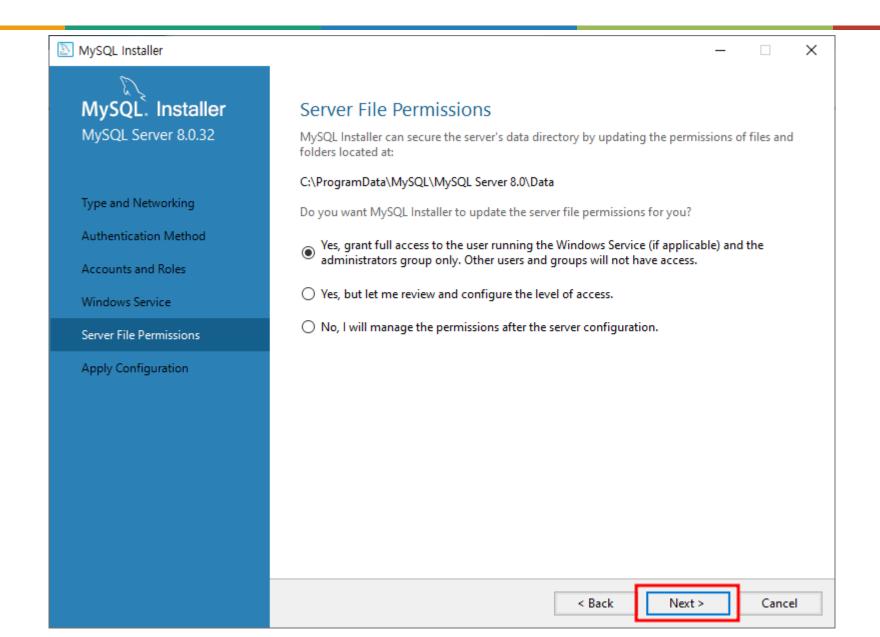


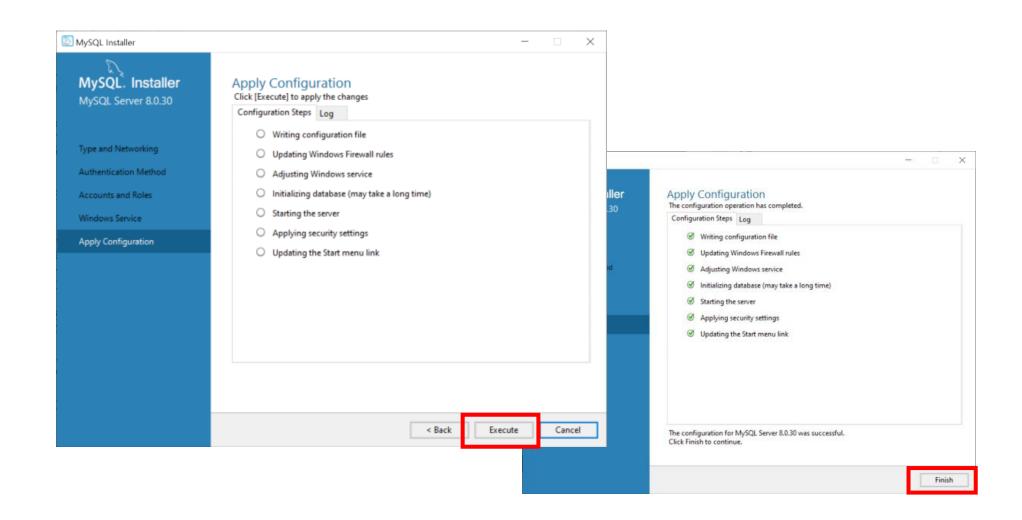


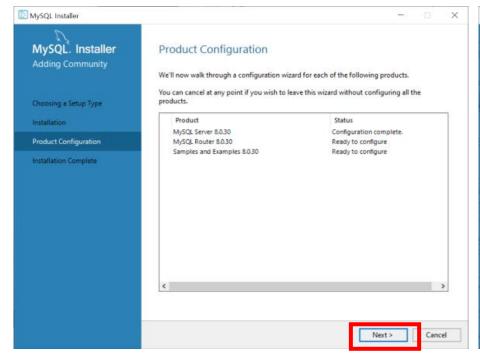


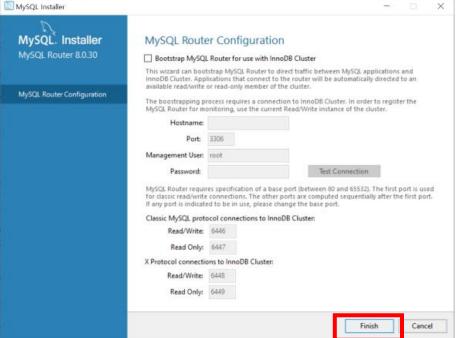




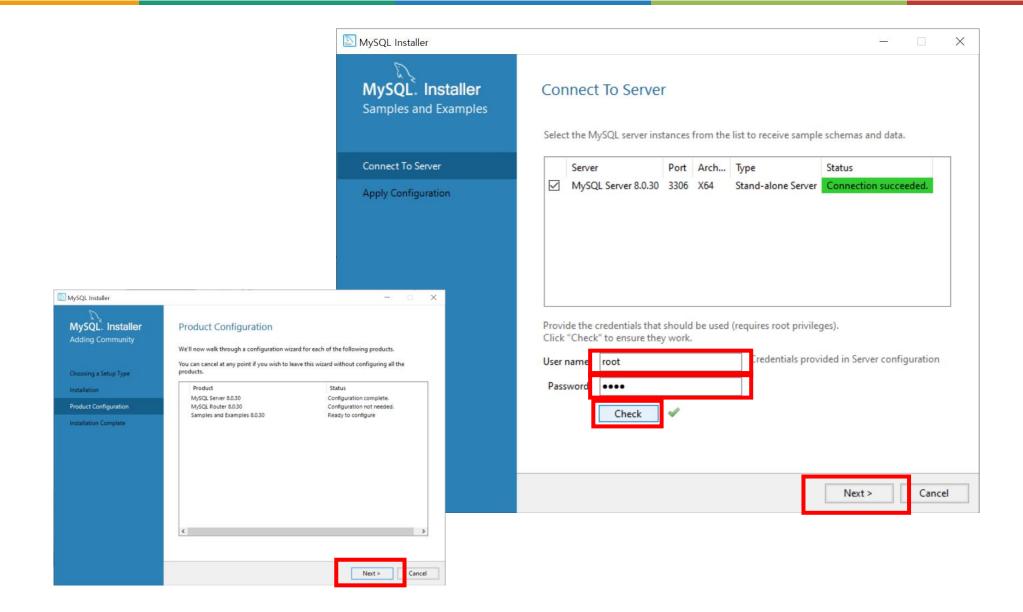




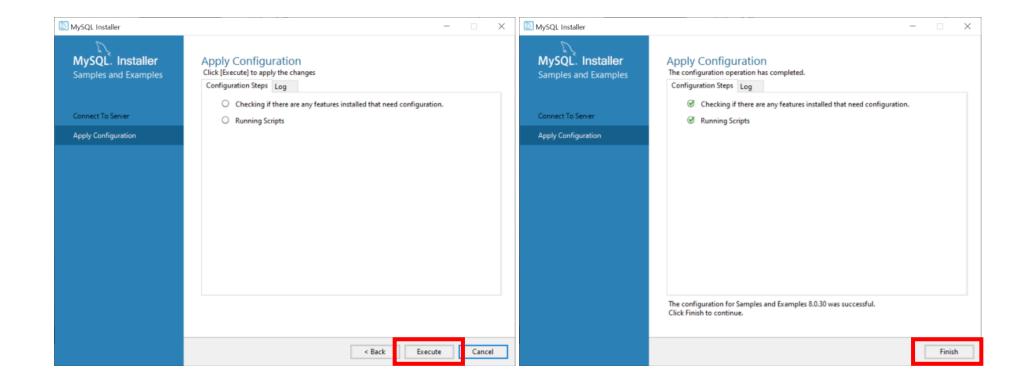


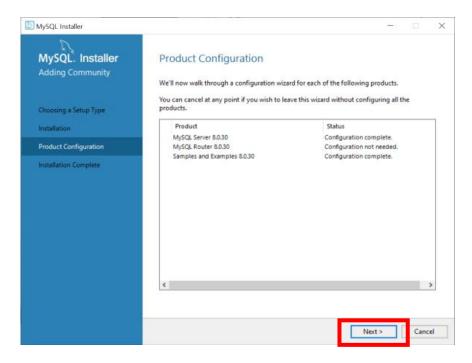


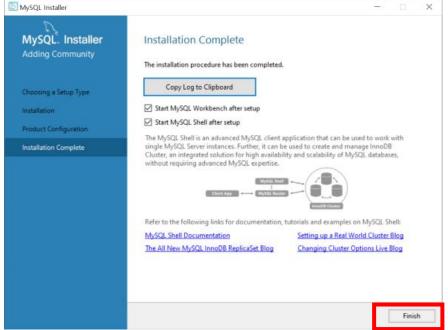




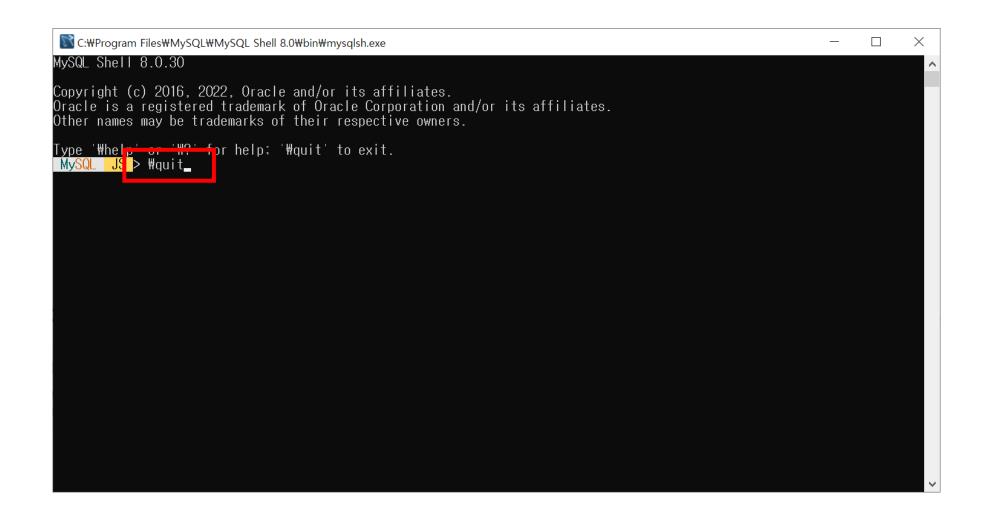




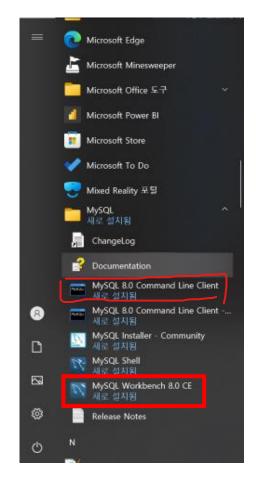


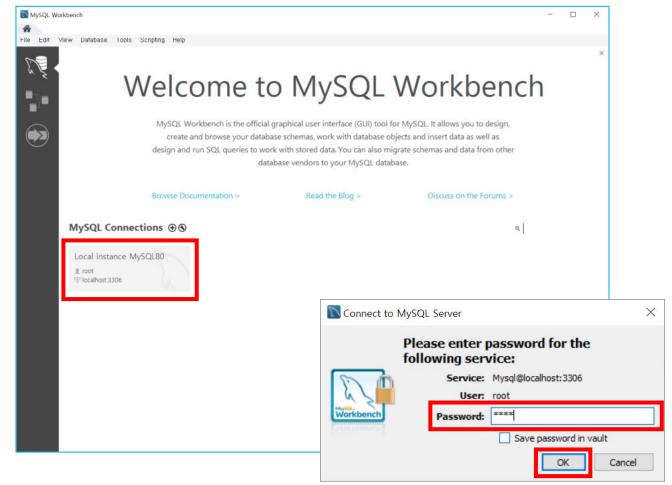




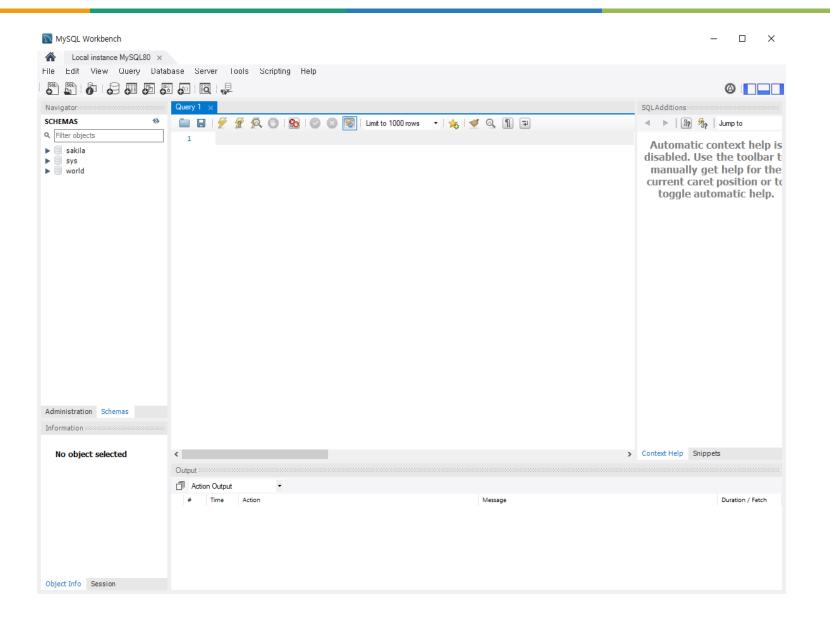


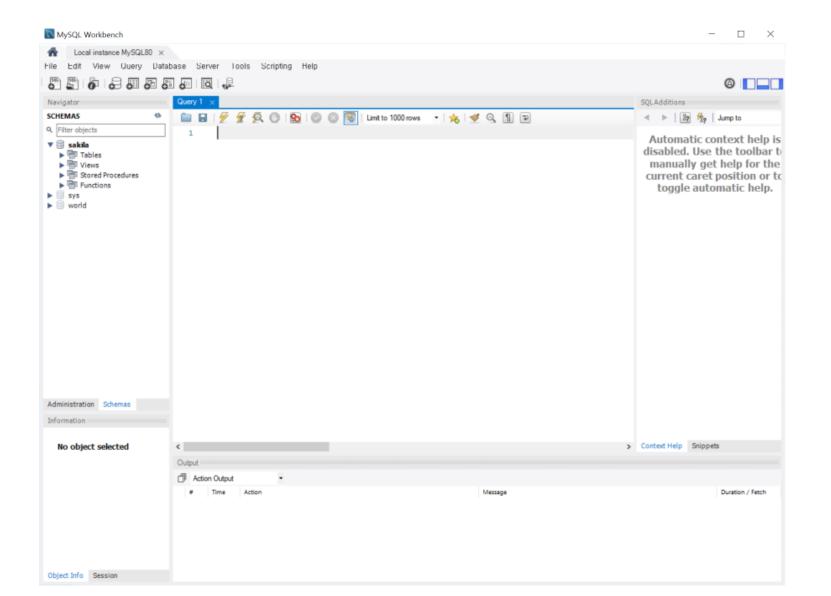




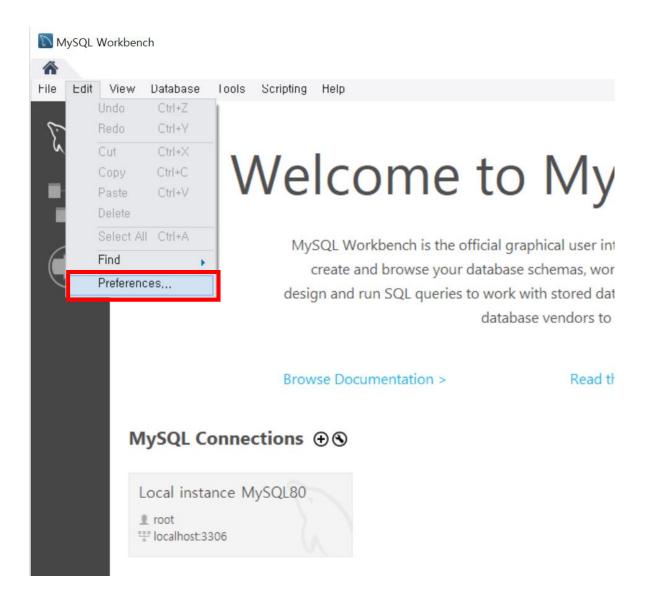




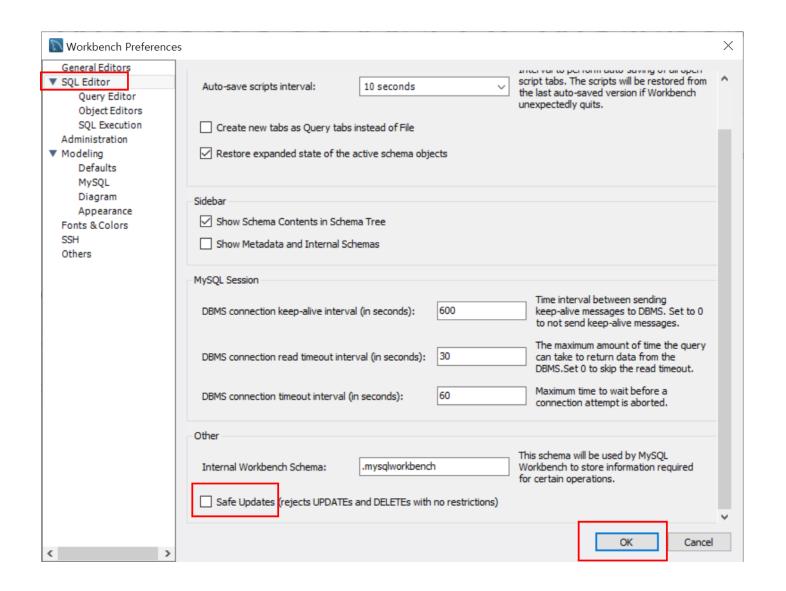














MySQL database hierarchy

JDBC: 자바이서 데이터에이스에 건축할 수 있게 하는 지버누슈PI RDBMS: 관계형 데이터에이스 근데 사스템 MySQL Users ... user 1 root user n Personal ... Databases mysql test mydb company 테이블 테이블 뷰 Tables. Views, etc.

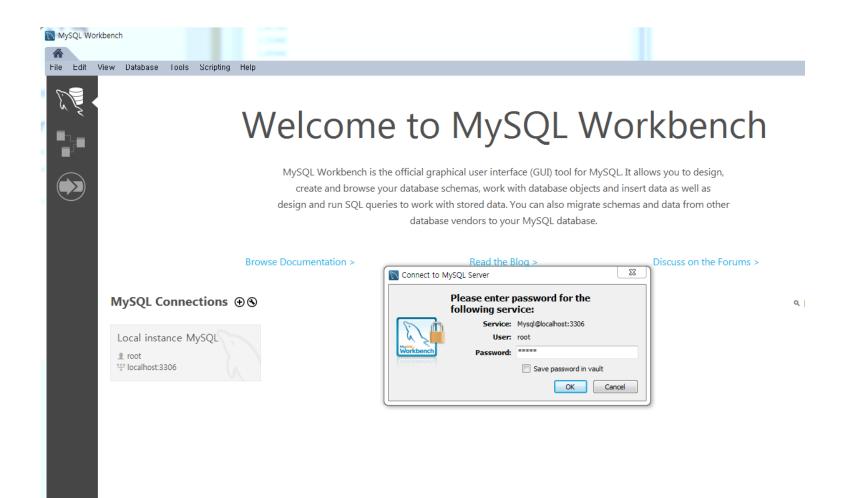
EMPLOYEE DEPARTMENT

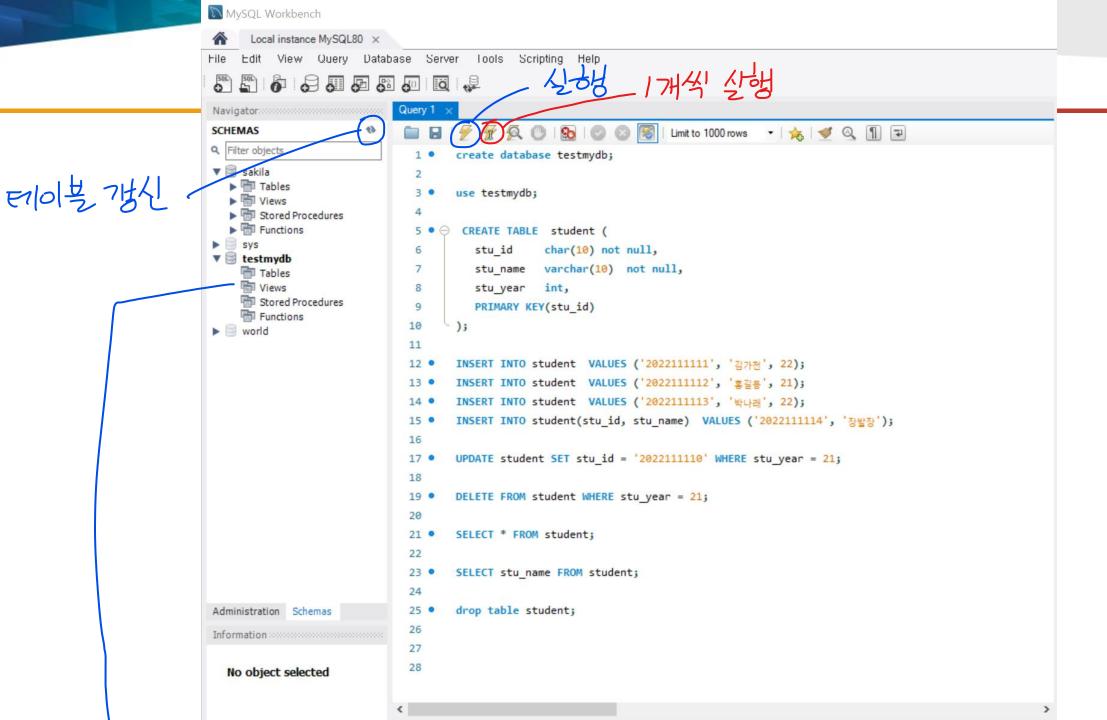
**EMP** 



#### **\*** Exercise

• MySQL workbench 8.0 - Password





```
create database testmydb;
```

```
use testmydb;
```

```
CREATE TABLE student (
stu_id char(10) not null,
stu_name varchar(10) not null,
stu_year int,
PRIMARY KEY(stu_id)
);

INSERT INTO student VALUES ('2022111111', '김가천', 22);
INSERT INTO student VALUES ('2022111112', '홍길동', 21);
INSERT INTO student VALUES ('2022111113', '박나래', 22);
INSERT INTO student (stu_id, stu_name) VALUES ('2022111114', '장발장');
```

		stu_id	stu_name	stu_year
	•	2022111111	김가천	22
,		2022111112	홍길동	21
		2022111113	박나래	22
		2022111114	장발장	NULL

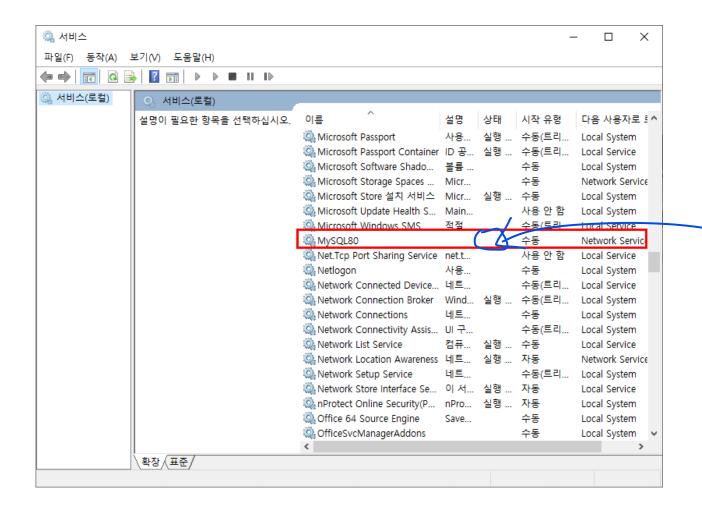
```
UPDATE student SET stu_id = '2022111110' WHERE stu_year = 21;

DELETE FROM student WHERE stu_year = 21;

SELECT * FROM student;

SELECT stu_name FROM student;

drop table student;
```



만약 2류가 발생당LEL 실행으로 바꾸기

## T h a n k y o u

#### **TECHNOLOGY**

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