How to Install MySQL

Data Intelligence and Learning (DIAL) Lab
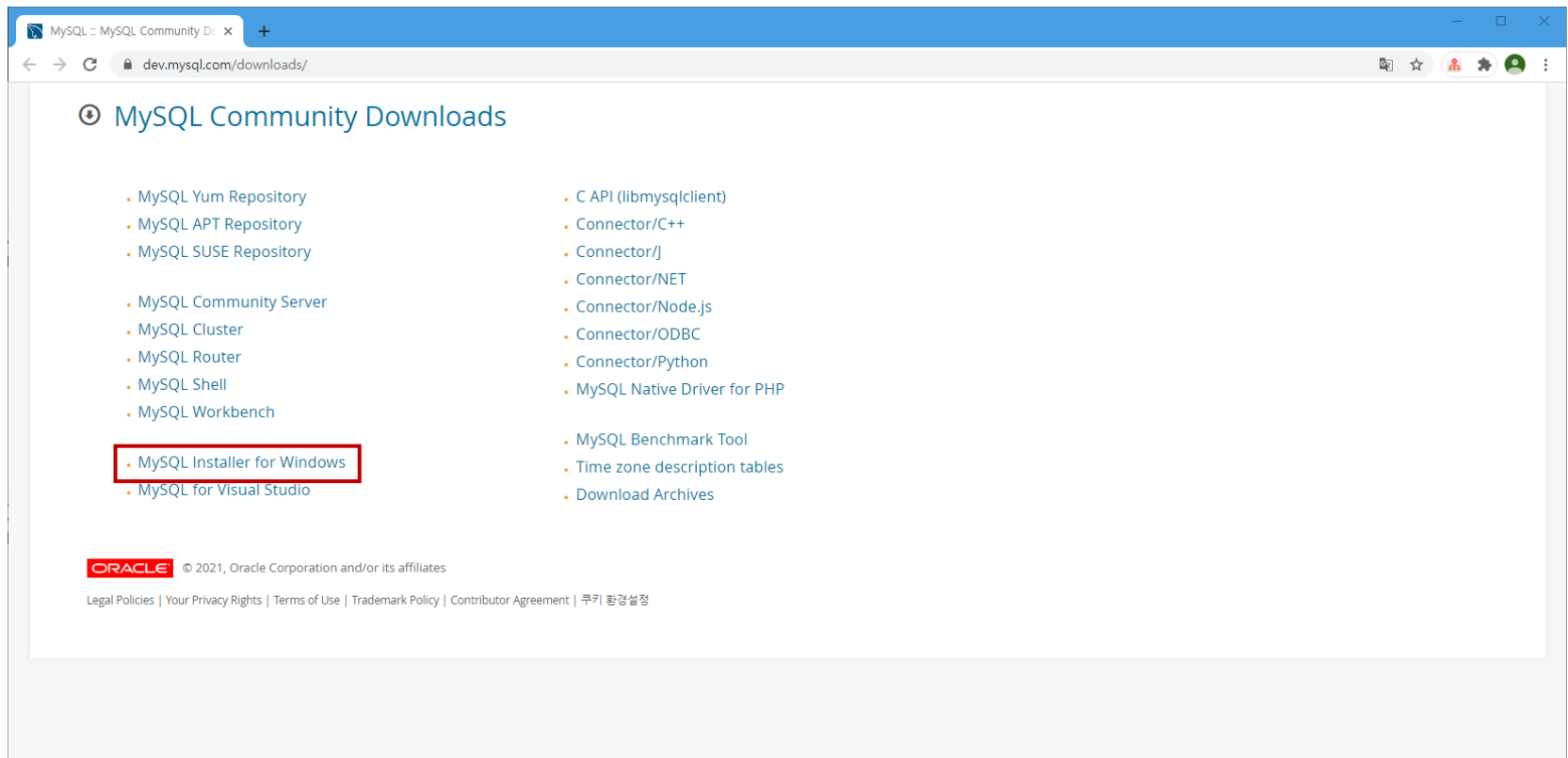
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Procedure of Installing MySQL

➢ **Step 1: Accessing the download page**

➢ **Step 2: Downloading 'MySQL Installer'**

➢ **Step 3: Installing 'MySQL Installer'**

➢ **Step 4: Installing MySQL Server**

➢ **Step 5: Installing MySQL Router**

➢ **Step 6: Configuration setting**

➢ **Step 7: Installation Complete**

➢ **Step 8: Testing MySQL**

Step 1: Accessing the Download Page

➢ **Go to https://dev.mysql.com/downloads/ and click MySQL Installer for Windows.**

Step 1: Accessing the Download Page

➢ **Go to** Archives.

Step 1: Accessing the Download Page

➢ **Click Product Version and change it to 8.0.19.**

Step 2: Downloading MySQL Installer

➢ **Version 8.0.19 was released on Jan 7, 2020. Download the one in the red rectangle.**

Step 3: Installing 'MySQL Installer'

➢ **Click 'Developer Default' and 'Next.'**
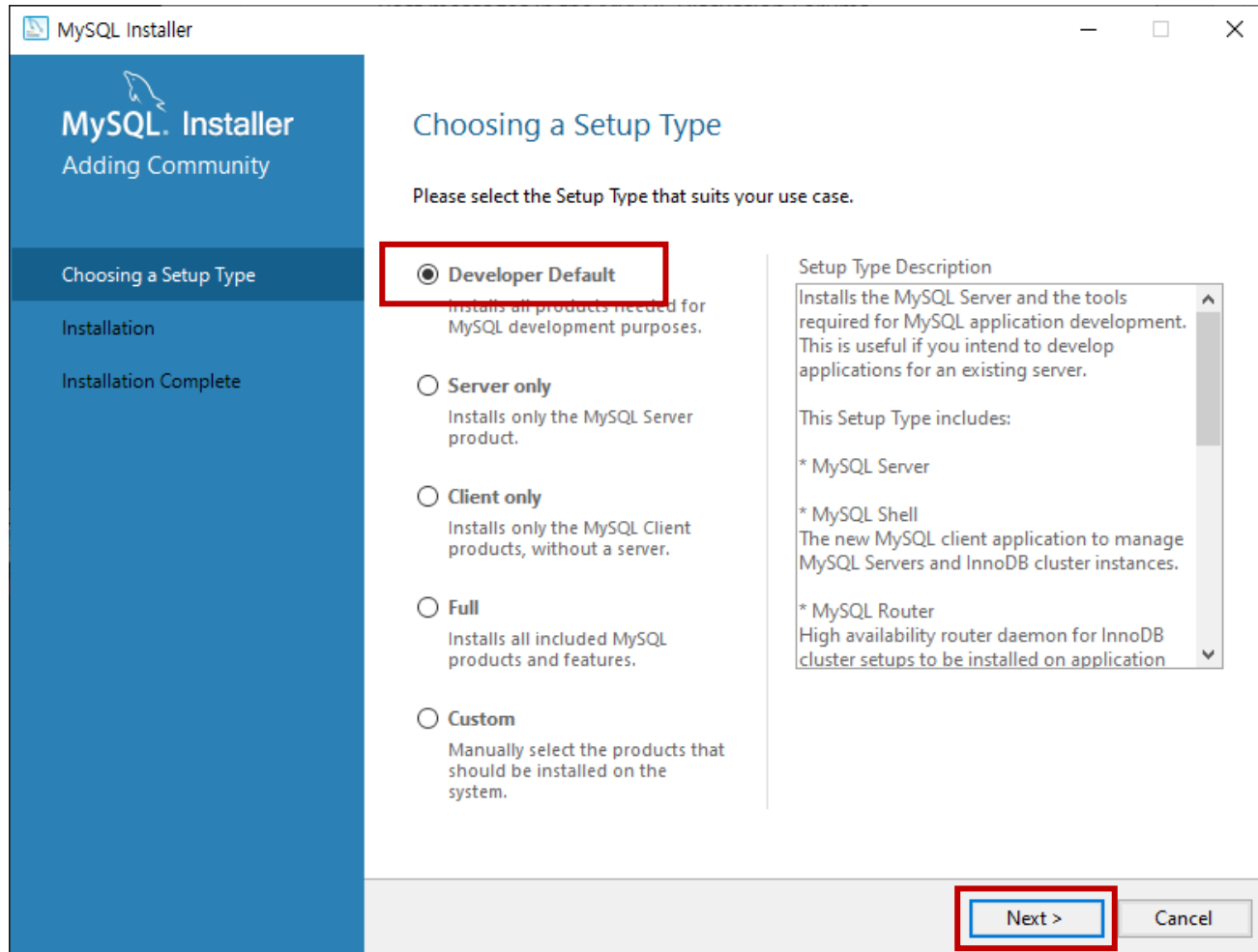
Step 3: Installing 'MySQL Installer'

➤ **Click 'Execute' and Click 'Next' after installer has installed**

requirements – **You may not see this step if you already satisfied requirements.**
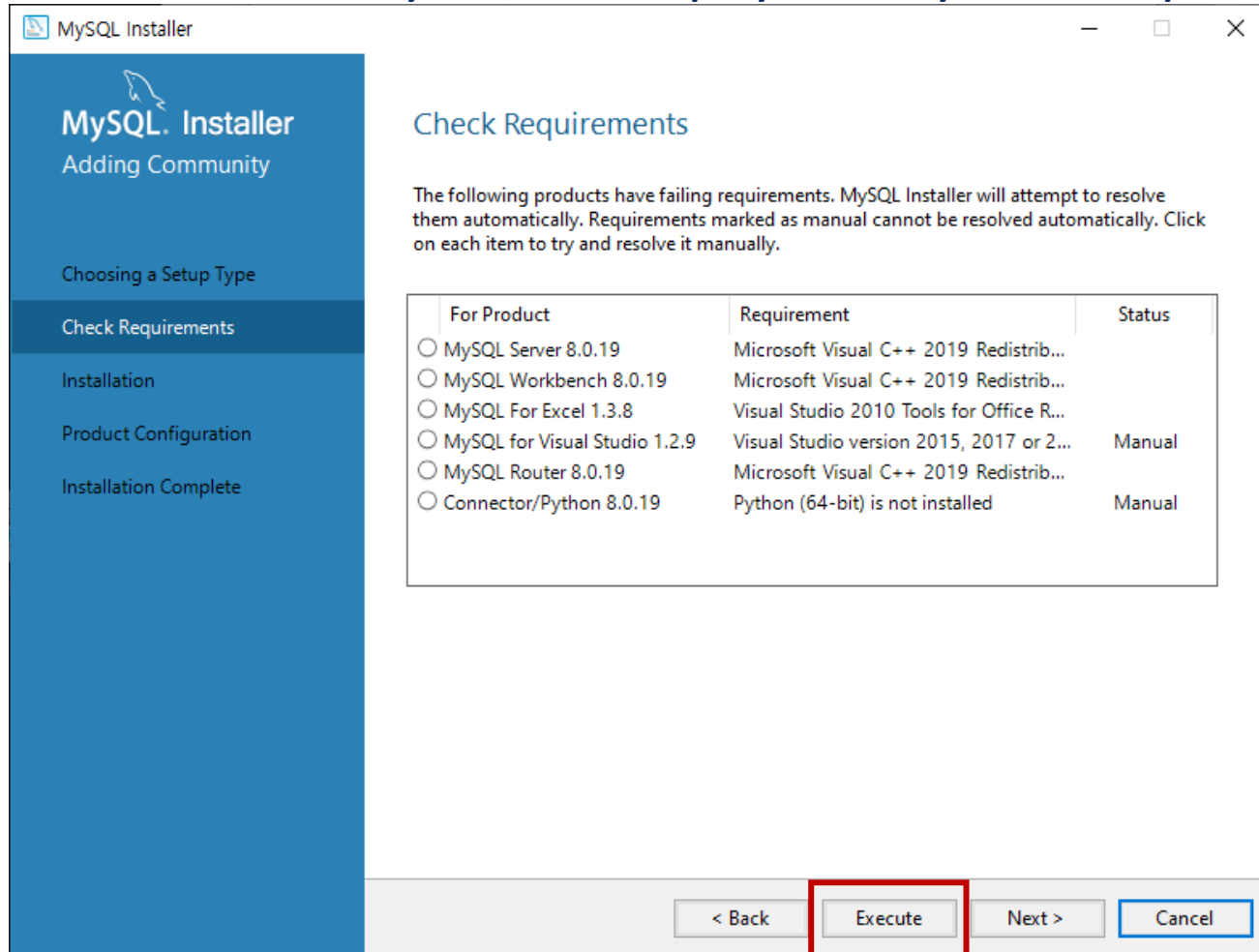
Step 3: Installing 'MySQL Installer'

➢ **Click 'yes' if this message pops up.**
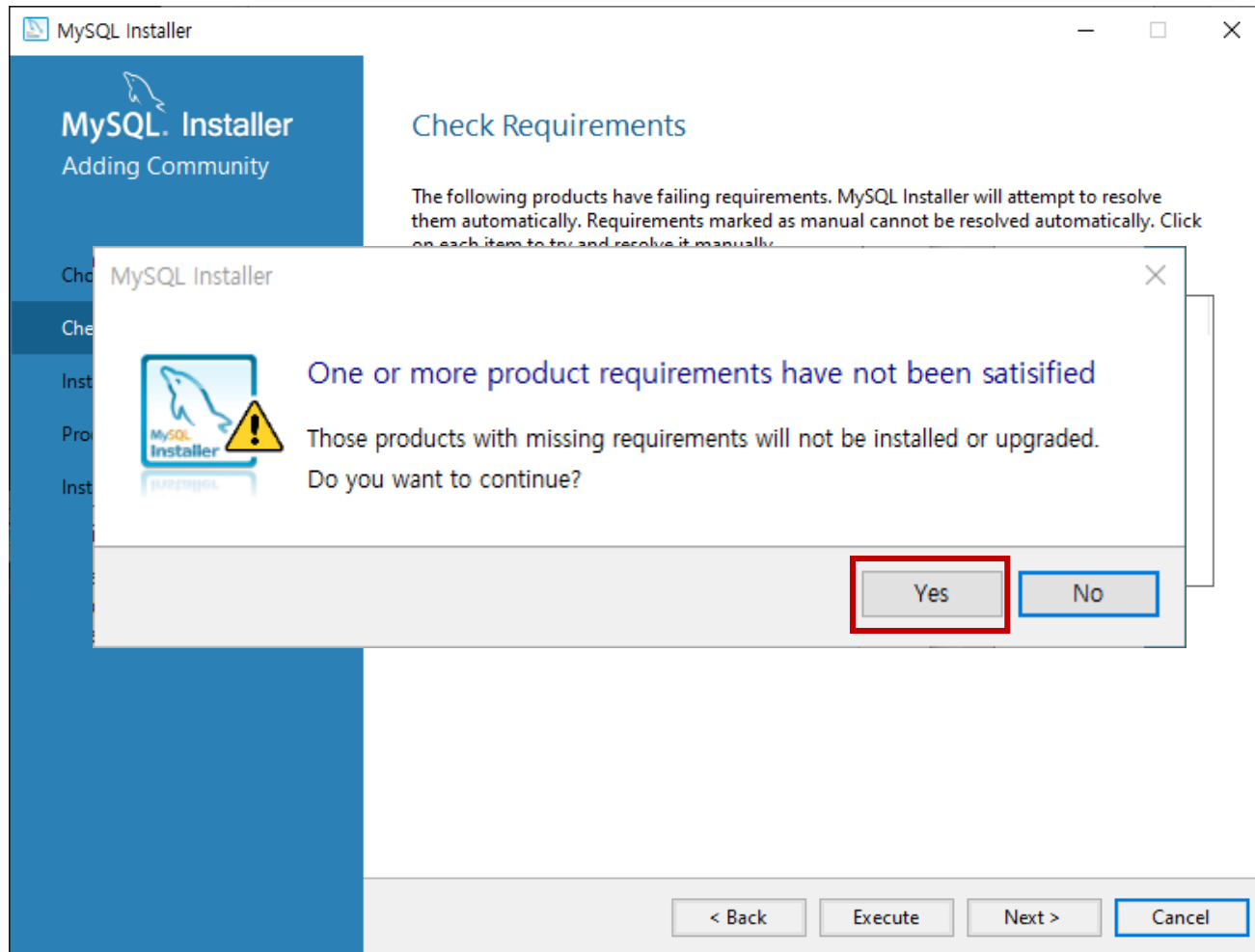
Step 3: Installing 'MySQL Installer'

➢ **Click 'Execute.'**
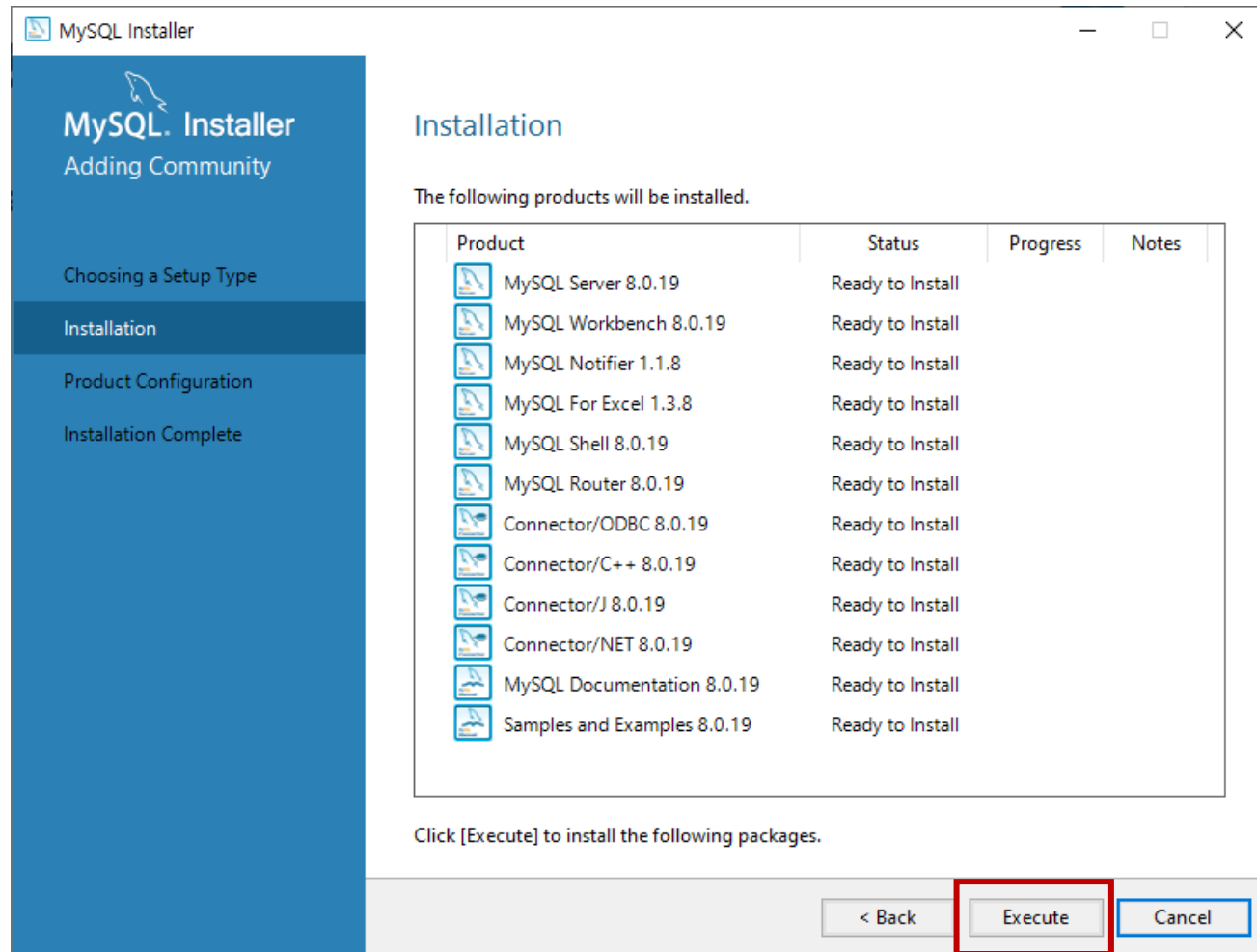
Step 3: Installing 'MySQL Installer'

> ➤ **Click 'Next' after all products become complete.**
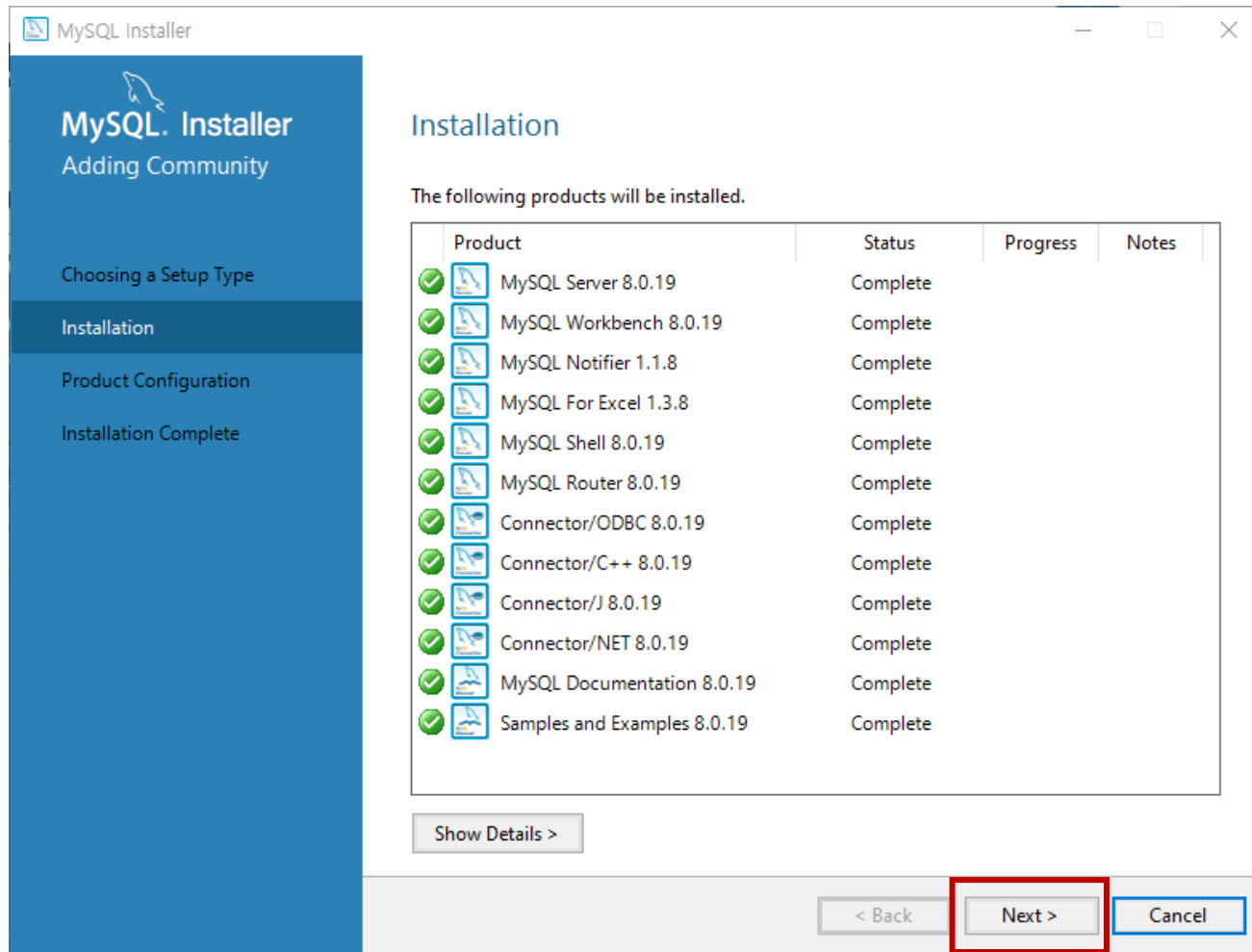
Step 3: Installing 'MySQL Installer'
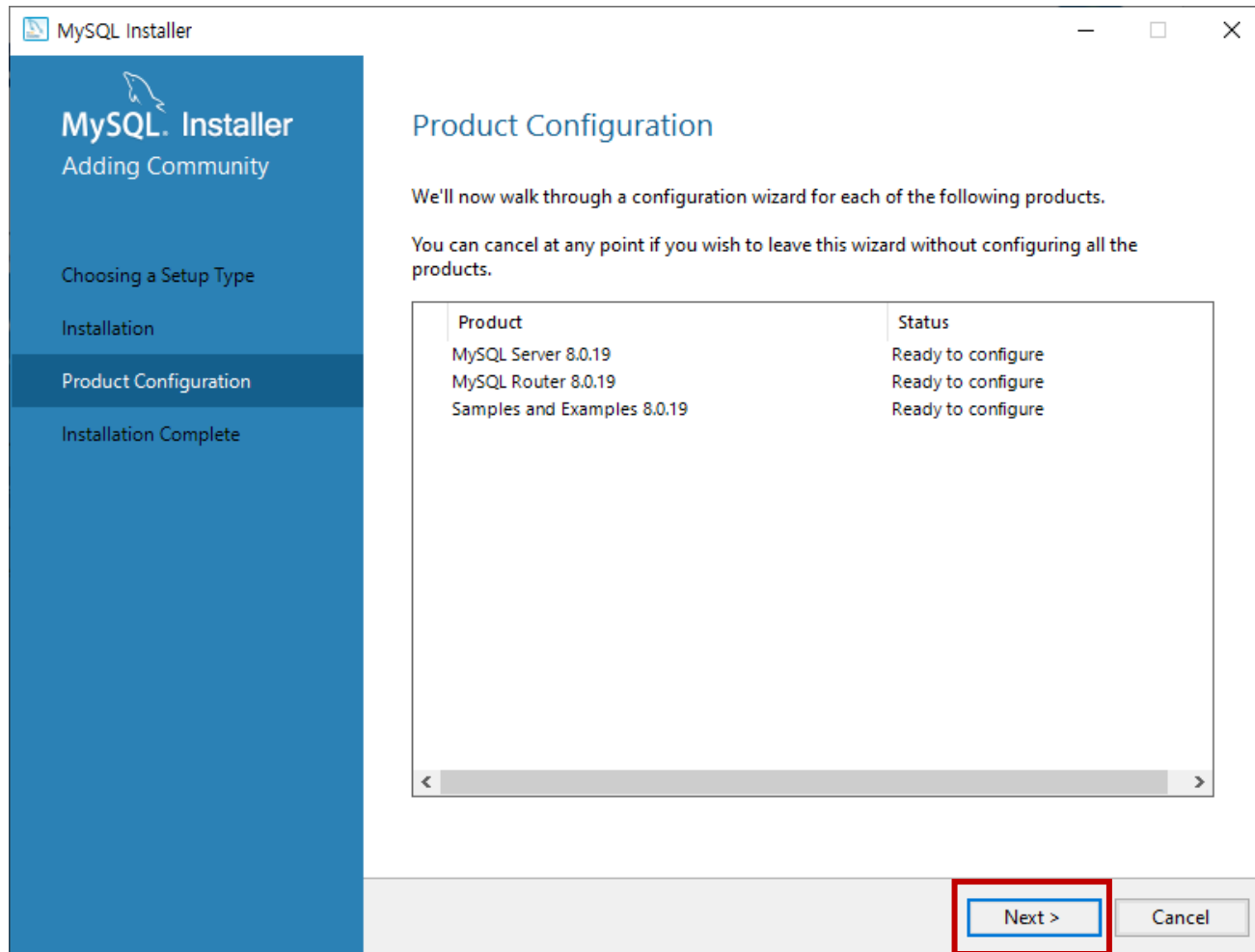
➢ **Click 'Next.'**

Step 4: Installing MySQL Server

➢ **Check 'Standalone MySQL Server / Classic MySQL Replication'**

and click 'Next.'

Step 4: Installing MySQL Server

➢ **Click 'Next.'**

Step 4: Installing MySQL Server

➢ **Check 'RECOMMENDED' and click 'Next.'**
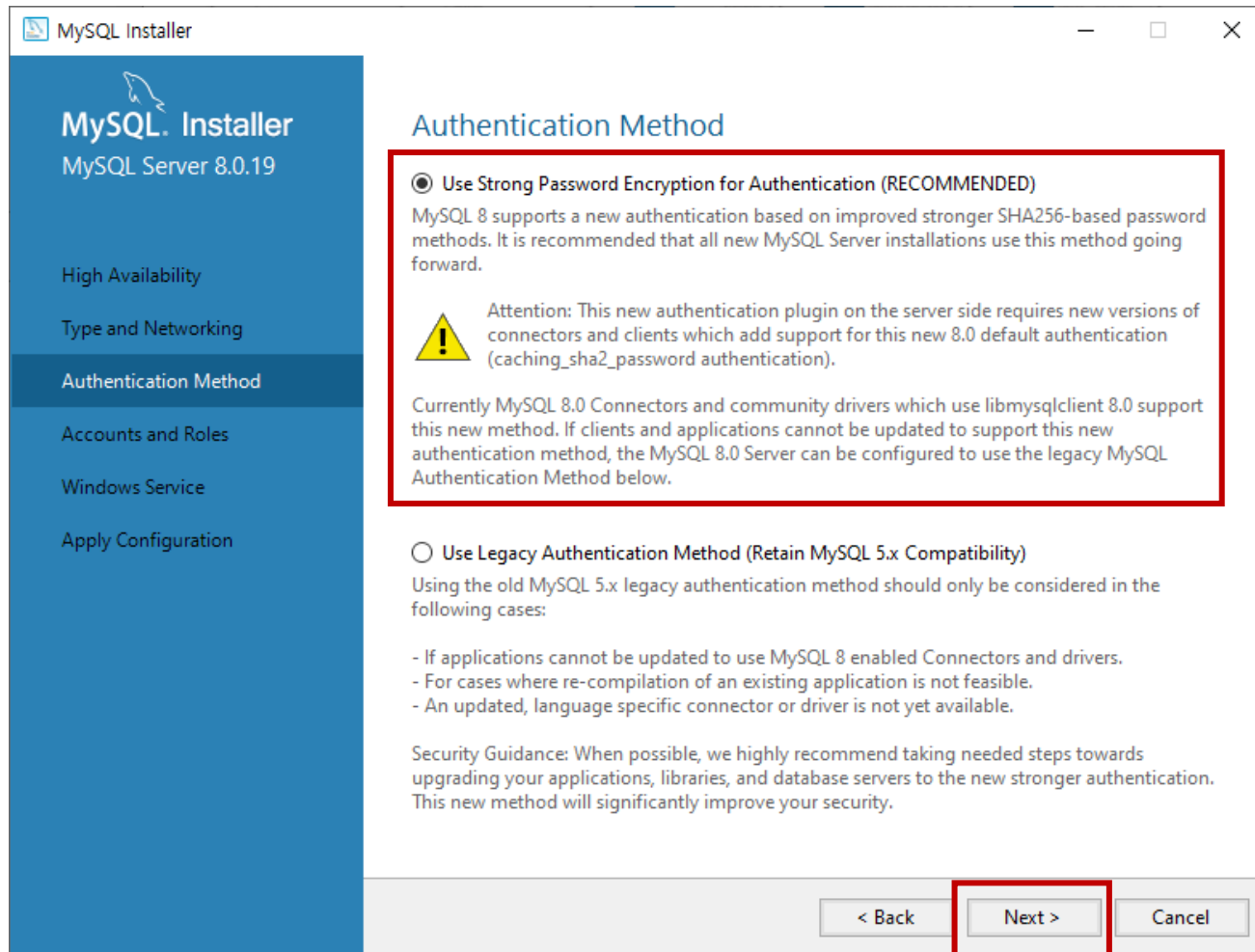
Step 4: Installing MySQL Server

➢ **Set your Root Password and click 'Next.'**

Step 4: Installing MySQL Server

➢ **Click 'Next.'**

Step 4: Installing MySQL Server

➢ **Click 'Execute.'**
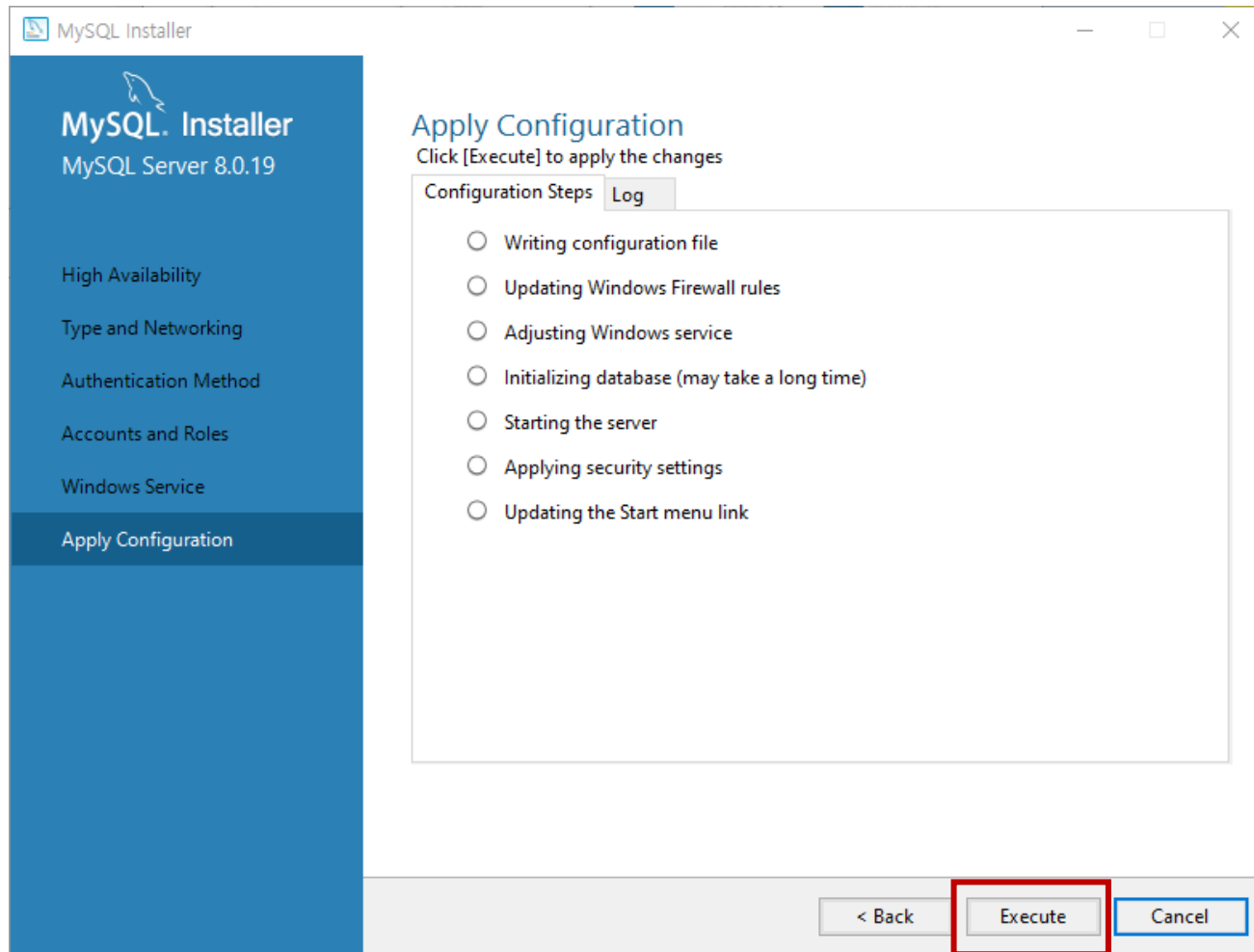
Step 4: Installing MySQL Server

➢ **Click 'Finish' if the installation is complete.**
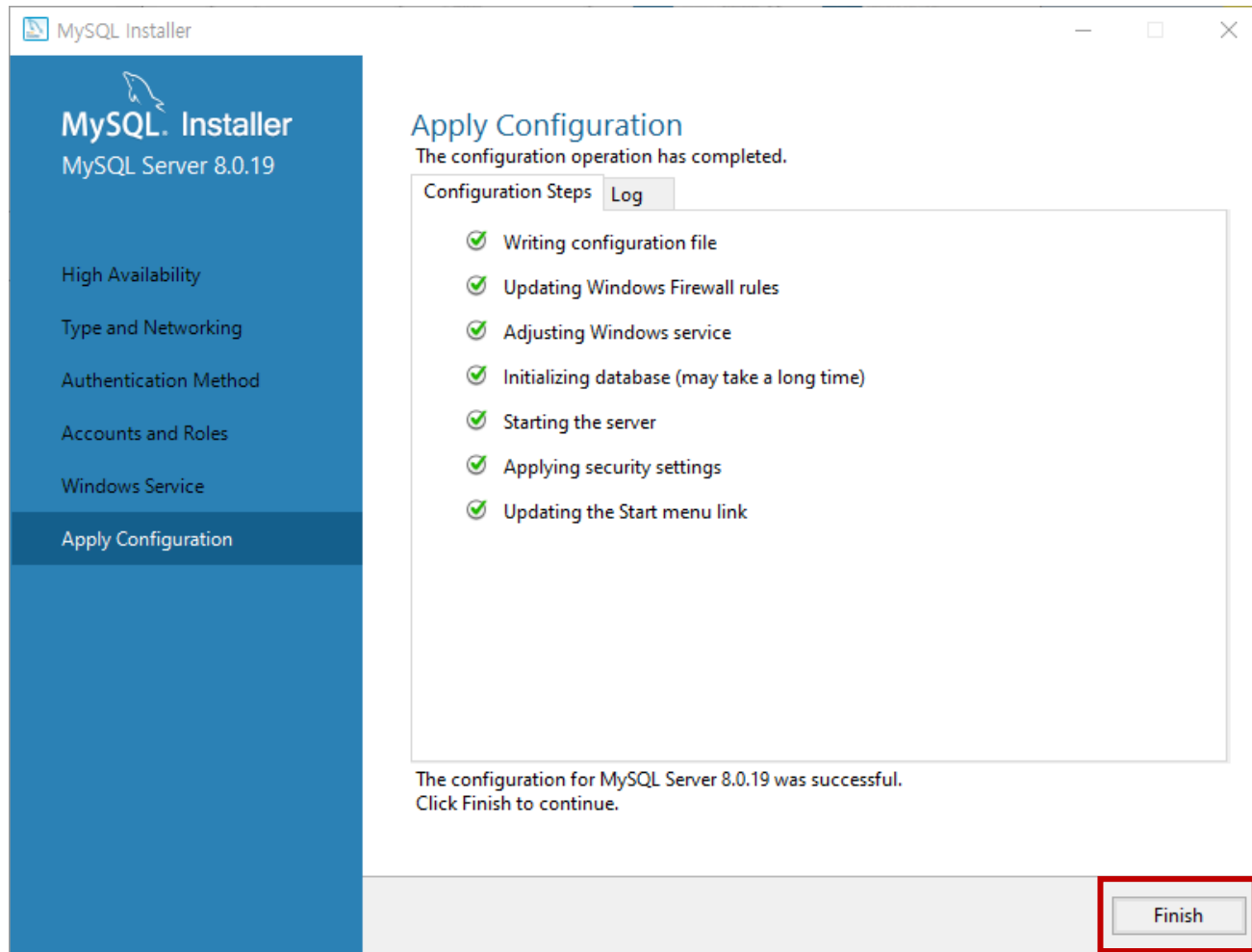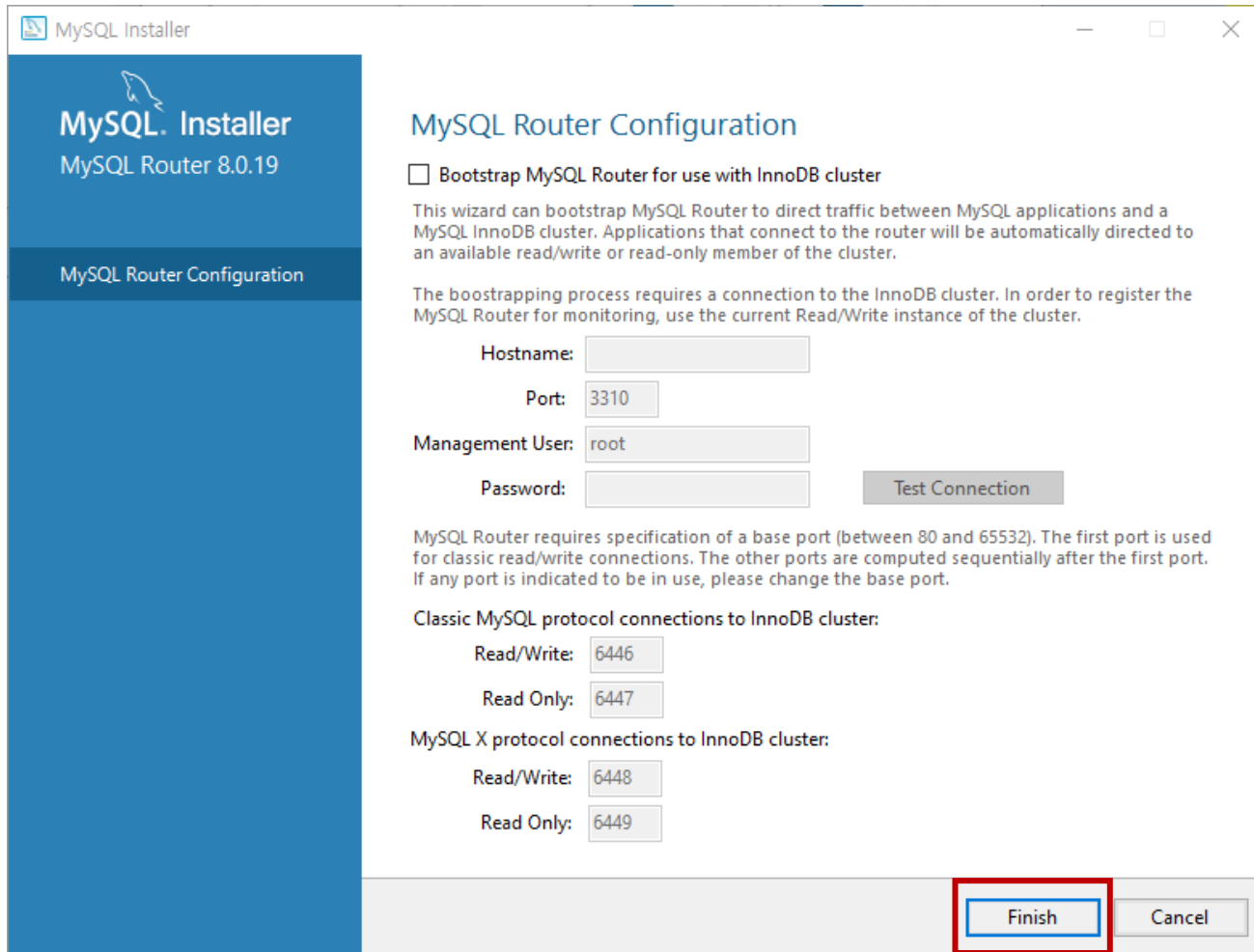
Step 5: Installing MySQL Router

➤ **Click 'Next.'**
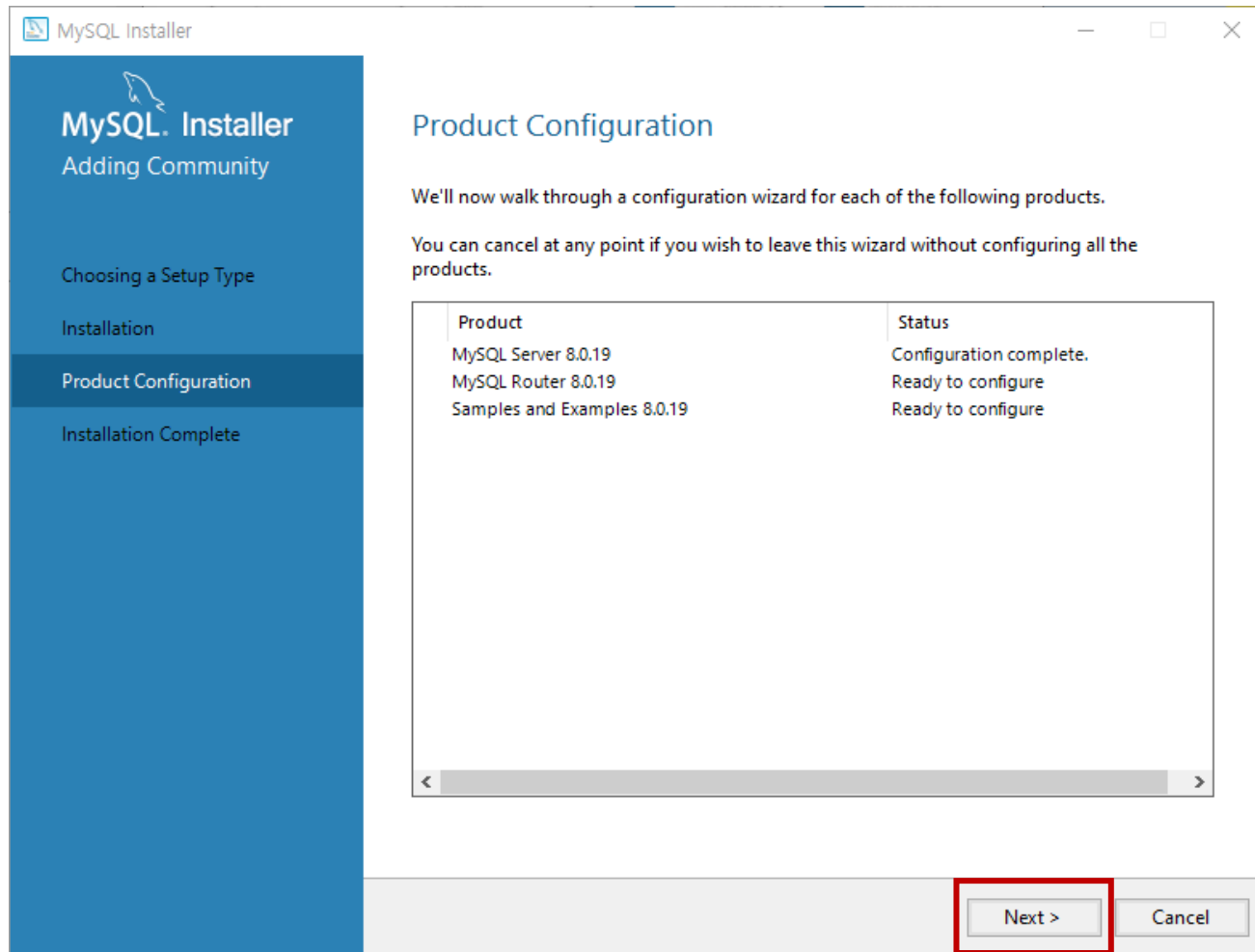
Step 5: Installing MySQL Router

➢ **Click 'Finish.'**

Step 6: Configuration Setting

➢ **Click 'Next.'**

Step 6: Configuration Setting

➤ **Set user name as 'root' and enter the 'password.'**

➤ **Click 'Check.'**
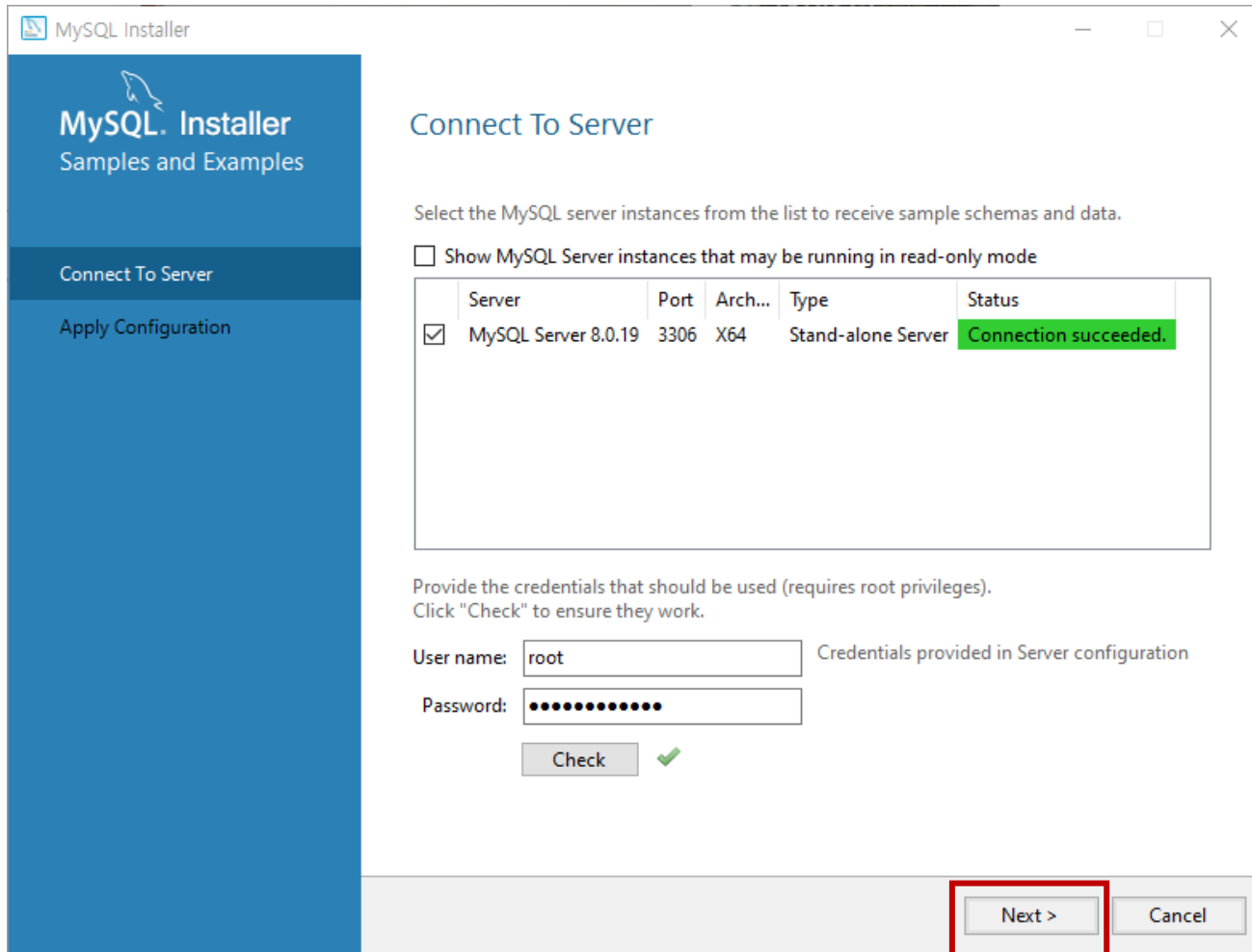
Step 6: Configuration Setting

➢ **If all connections succeeded, click 'Next.'**

Step 6: Configuration Setting

➢ **Click 'Execute.'**
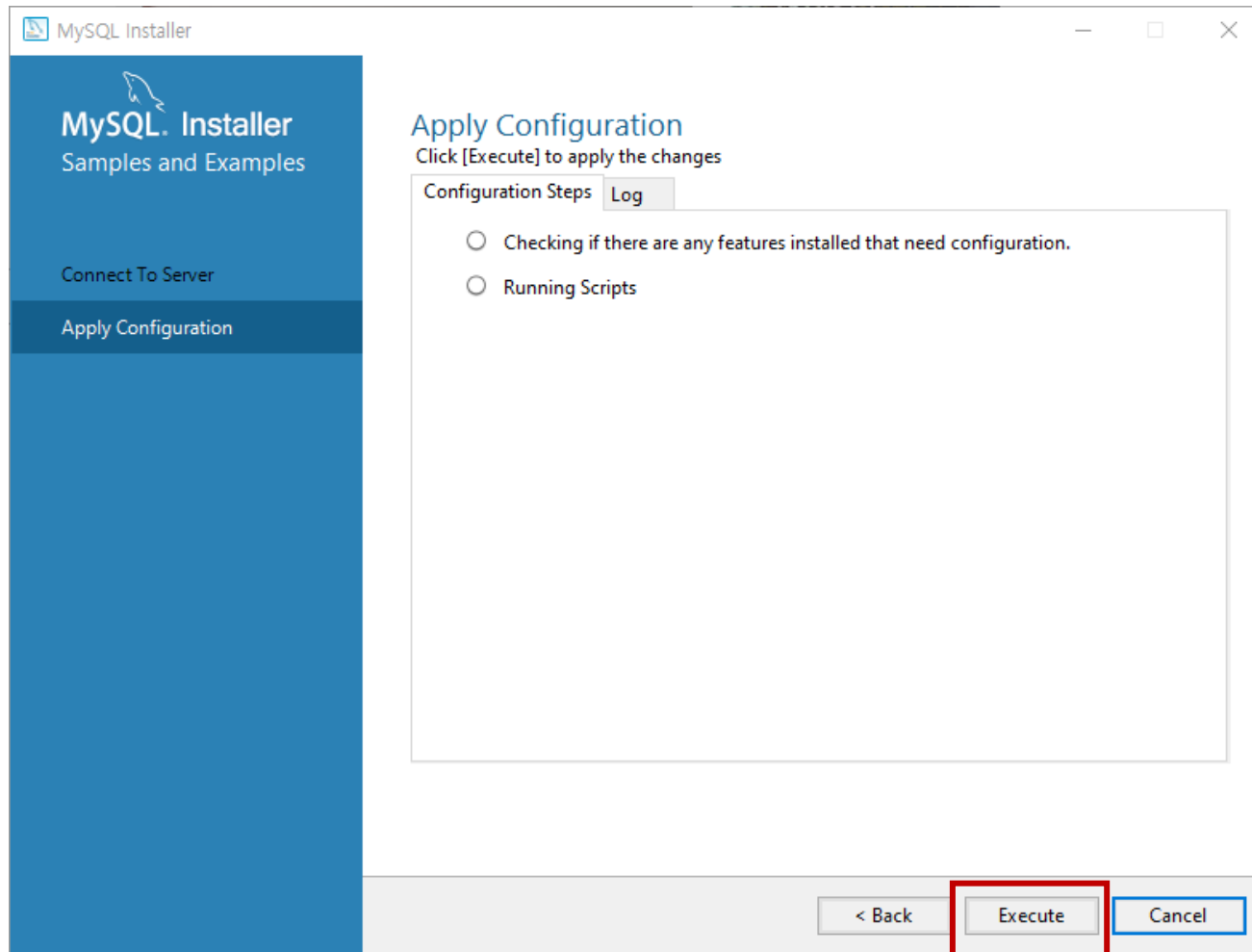
Step 6: Configuration Setting

➢ **Click 'Finish' after the configuration steps are completely installed.**
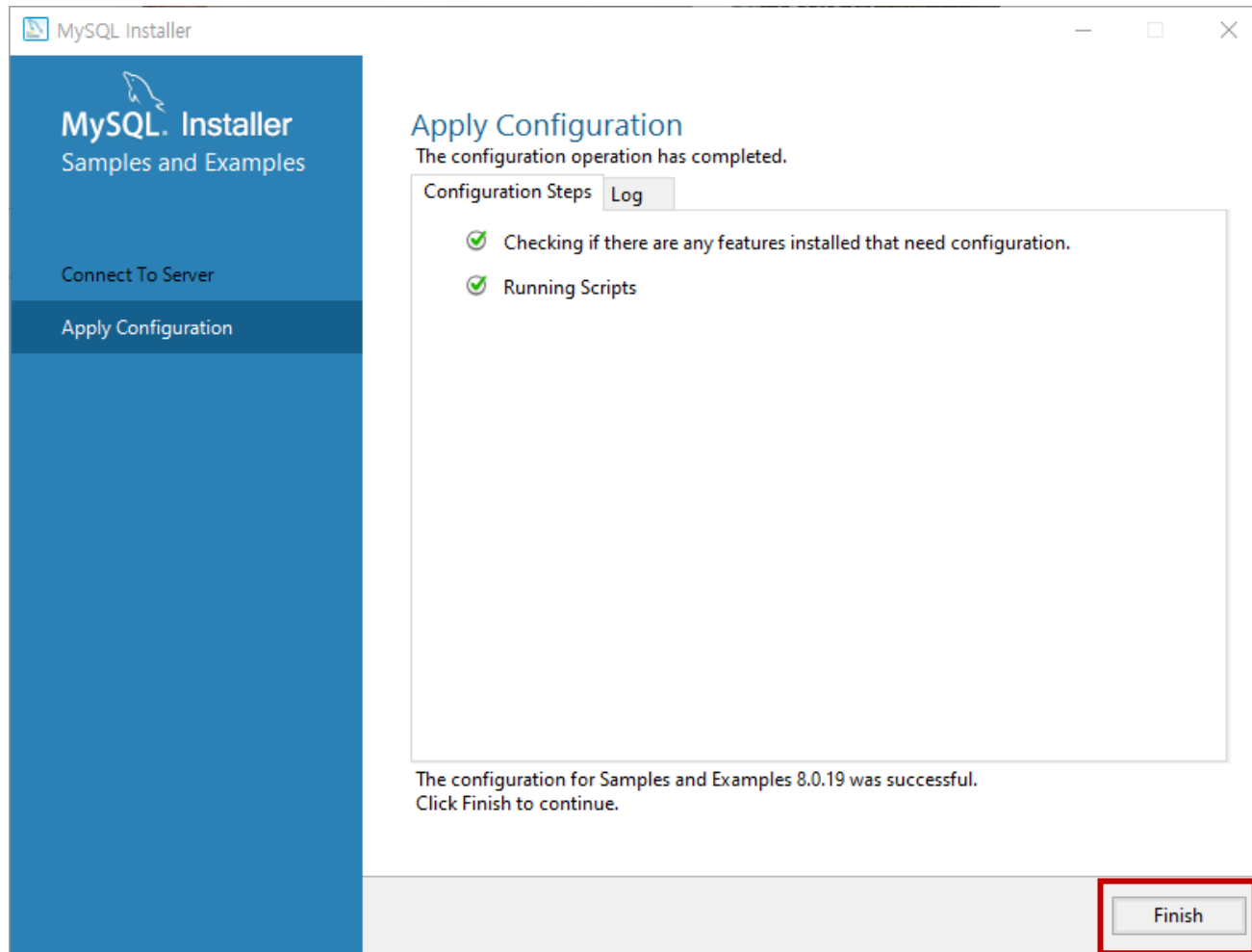
Step 7: Installation Complete

➢ **Click 'Next.'**
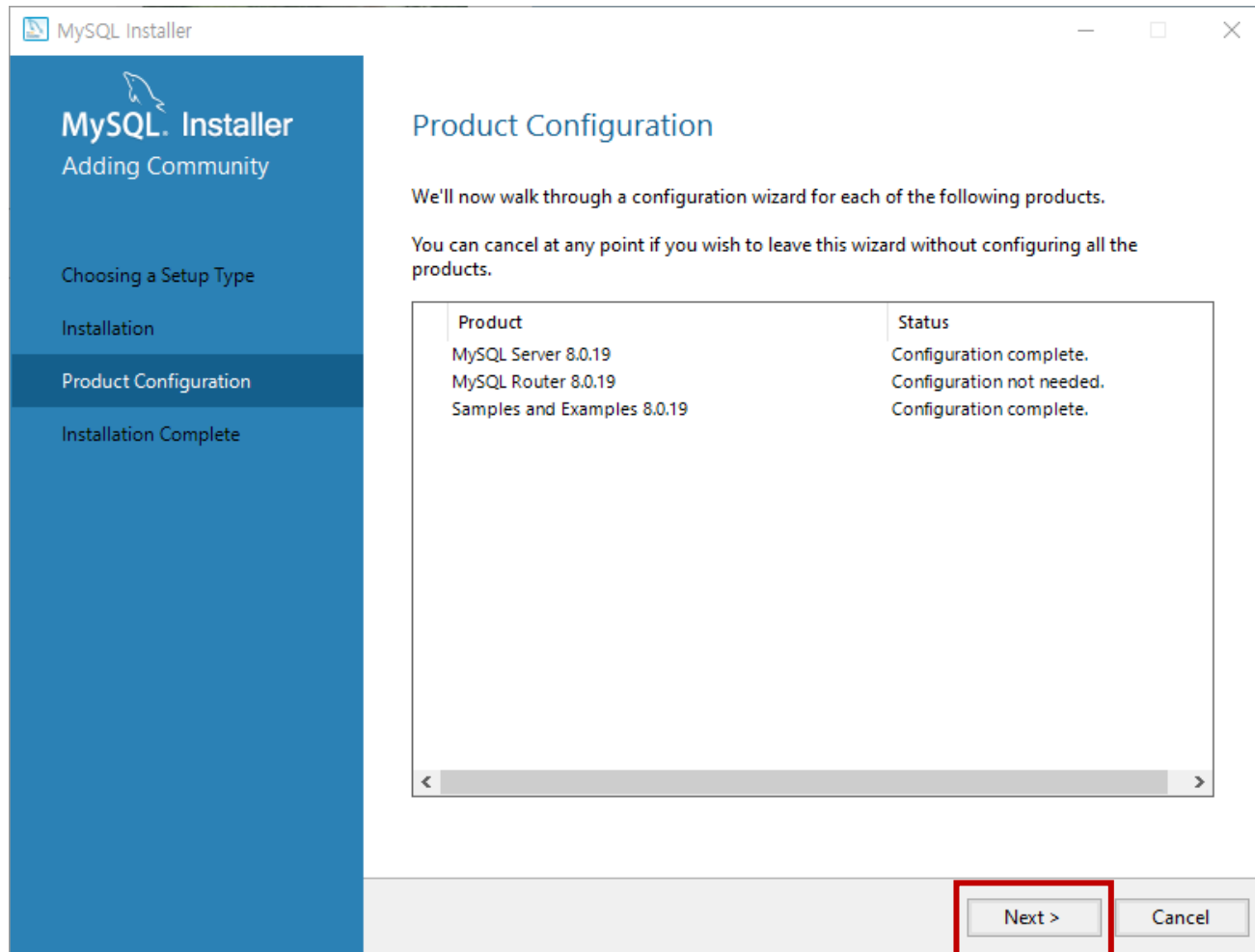
Step 7: Installation Complete

➢ **Click 'Finish.'**
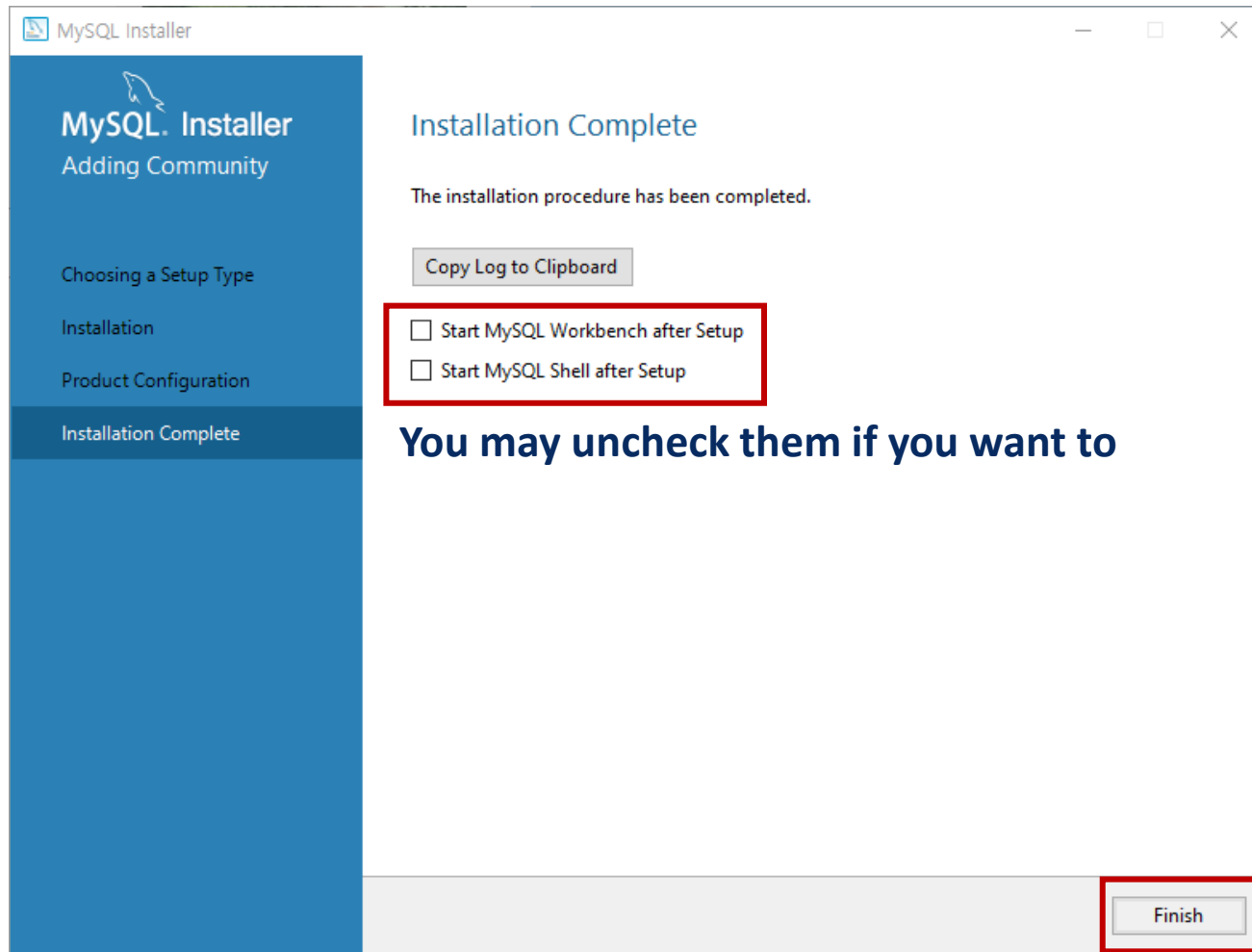
Step 8: Testing MySQL

➢ **Open "MySQL 8.0 Command Line Client" and enter password.**
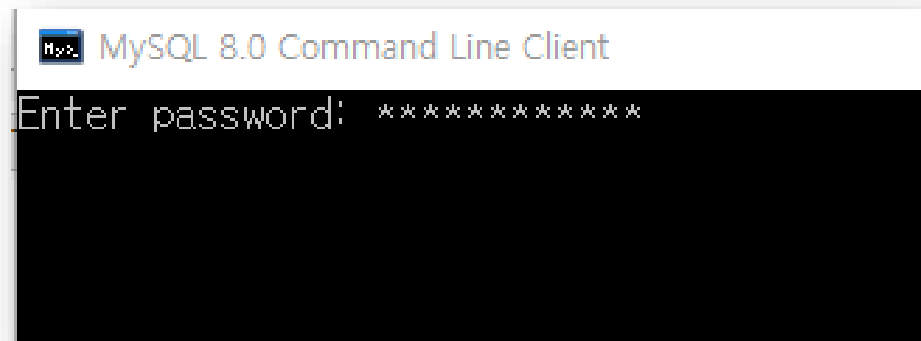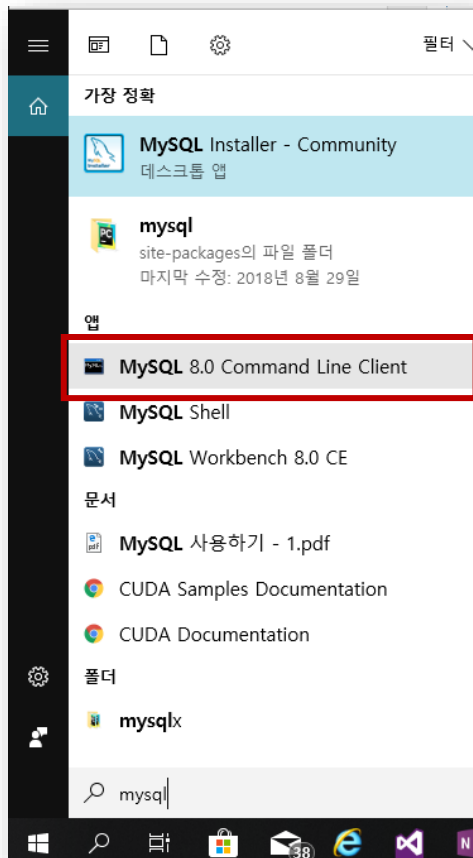
Step 8: Testing MySQL

➢ **Create a new database named 'test' and check it.**

◆ **mysql** > **CREATE DATABASE** test;

```
mysql> create database test;
Query OK, 1 row affected (0.06 sec)
```

◆ **mysql** > **SHOW** databases;

```
mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| dbproject_2018000000 |
| information_schema |
| mysql              |
| performance_schema |
| sakila             |
| sys                |
| test               |
| test_2018000000    |
| world              |
+--------------------+
9 rows in set (0.00 sec)
```

the database we just created!

Step 8: Testing MySQL

> **Select the database that we just created.**

- **mysql** > **USE** test;

```
mysql> use test;
Database changed
```

- **mysql** > **SHOW** tables;

  - Since we didn't create any tables yet, it's an empty set.

```
mysql> show tables;
Empty set (0.03 sec)
```

Step 8: Testing MySQL

➢ Create a new table 'student.'

◆ **mysql** > CREATE TABLE student (……);

```
mysql> create table student(
    -> sid INT NOT NULL,
    -> prof VARCHAR(45) NOT NULL,
    -> dept VARCHAR(45) NOT NULL,
    -> grade CHAR(1),
    -> primary key(sid)
    -> );
Query OK, 0 rows affected (0.06 sec)
```

◆ **mysql** > DESCRIBE student;

```
mysql> describe student;
+-------+-------------+------+-----+---------+-------+
| Field | Type        | Null | Key | Default | Extra |
+-------+-------------+------+-----+---------+-------+
| sid   | int(11)     | NO   | PRI | NULL    |       |
| prof  | varchar(45) | NO   |     | NULL    |       |
| dept  | varchar(45) | NO   |     | NULL    |       |
| grade | char(1)     | YES  |     | NULL    |       |
+-------+-------------+------+-----+---------+-------+
4 rows in set (0.03 sec)
```

Step 8: Testing MySQL

➢ **Insert tuples into the table.**

◆ **mysql** > INSERT INTO (table name) VALUES (….)

```
mysql> insert into student values
    -> (001, 'JWLEE', 'CS', '1'),
    -> (002, 'JPHEO', 'CS', '4'),
    -> (003, 'JWLEE', 'SW', '3'),
    -> (004, 'JHLEE', 'CS', '4')
    -> ;
Query OK, 4 rows affected (0.04 sec)
Records: 4  Duplicates: 0  Warnings: 0
```

Step 8: Testing MySQL

➢ **Retrieve tuples from the table.**

◆ **mysql** > SELECT * FROM (table name);

```
mysql> select * from student
    -> ;
+-----+-------+------+-------+
| sid | prof  | dept | grade |
+-----+-------+------+-------+
|   1 | JWLEE | CS   | 1     |
|   2 | JPHEO | CS   | 4     |
|   3 | JWLEE | SW   | 3     |
|   4 | JHLEE | CS   | 4     |
+-----+-------+------+-------+
4 rows in set (0.00 sec)
```

Step 8: Testing MySQL

➢ **Retrieve tuples from the table.**

◆ **mysql** > SELECT * FROM (table name) WHERE grade='4';

```
mysql> select * from student where grade='4';
+-----+-------+------+-------+
| sid | prof  | dept | grade |
+-----+-------+------+-------+
|   2 | JPHEO | CS   | 4     |
|   4 | JHLEE | CS   | 4     |
+-----+-------+------+-------+
2 rows in set (0.00 sec)
```

Step 8: Testing MySQL

➢ **Delete tuples from the table and check it.**

◆ **mysql** > DELETE FROM (table name) WHERE grade='4';

```
mysql> delete from student where grade='4'
    -> ;
Query OK, 2 rows affected (0.06 sec)
```

◆ mysql > SELECT * FROM (table name);

```
mysql> select * from student;
+-----+-------+------+-------+
| sid | prof  | dept | grade |
+-----+-------+------+-------+
|   1 | JWLEE | CS   | 1     |
|   3 | JWLEE | SW   | 3     |
+-----+-------+------+-------+
2 rows in set (0.00 sec)
```

References

➢ **MySQL Installation**

  ◆ https://dev.mysql.com/

  ◆ https://dog-developers.tistory.com/20

➢ **생활코딩 MySQL**

  ◆ https://opentutorials.org/course/2136/12020

Q&A