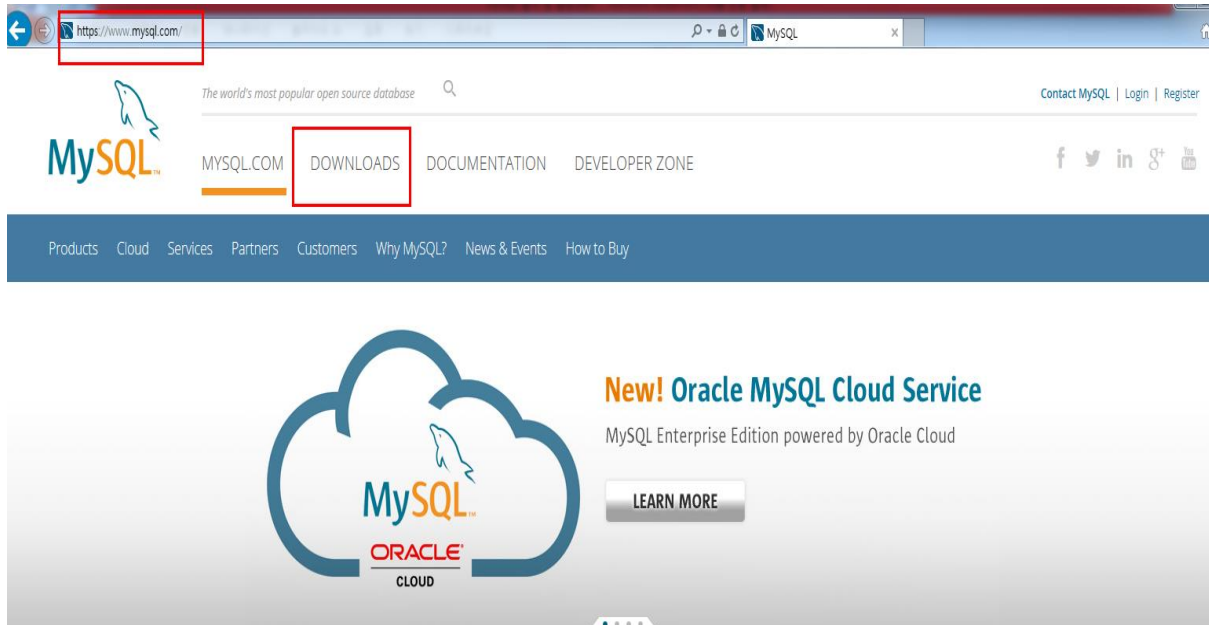
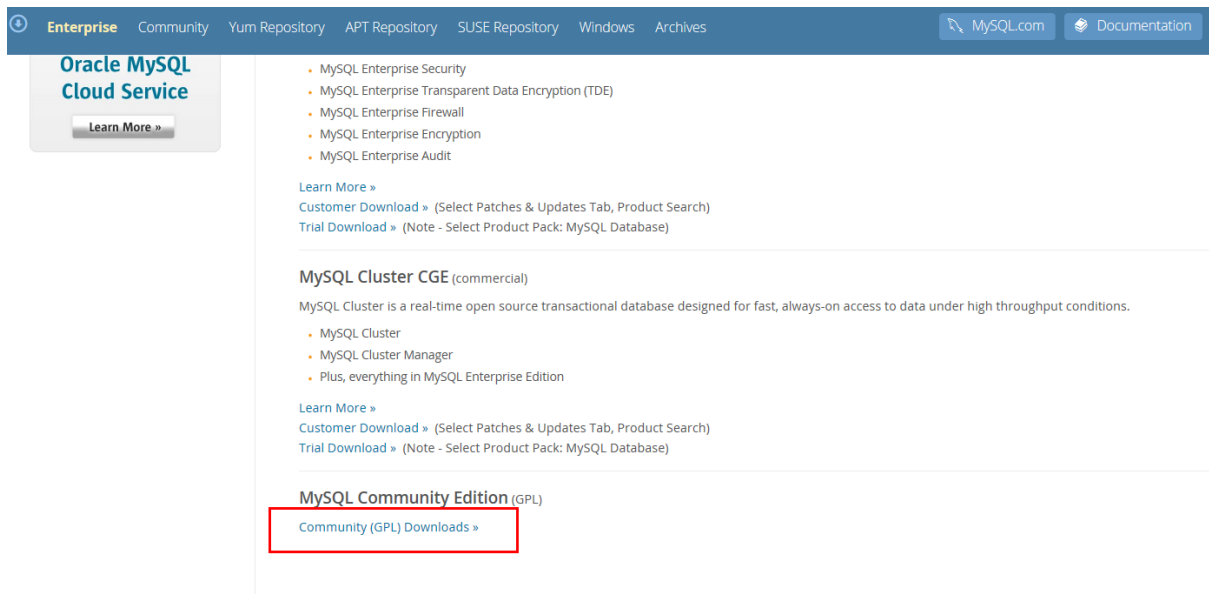


## \* MySQL 설치 진행

### 1. mysql.com에 접속 -> DOWNLOAD 링크 클릭



### 2. MYSQL Community Edition(GPL) 다운로드



### 3. MySQL on Windows Installer 다운로드

#### MySQL Connectors

MySQL offers standard database driver connectivity for using MySQL with applications and tools that are compatible with industry standards ODBC and JDBC.

[DOWNLOAD](#)

#### MySQL on Windows (Installer & Tools)

(Current Generally Available Release: 5.7.21)

MySQL provides you with a suite of tools for developing and managing MySQL-based business critical applications on Windows.

[DOWNLOAD](#)

#### MySQL Yum Repository

MySQL provides a YUM software repository to simplify installing and updating MySQL products on a variety of Linux operating systems.

[DOWNLOAD](#)

### 4. MySQL Installer 클릭

## MySQL on Windows

MySQL provides you with a suite of tools for developing and managing business critical applications on Windows.

#### MySQL Installer

MySQL Installer provides an easy to use, wizard-based installation experience for all MySQL software on Windows.

#### MySQL Connectors

MySQL offers industry standard database driver connectivity for using MySQL with applications and tools.

#### MySQL Workbench

MySQL Workbench provides DBAs and developers an integrated tools environment for database design, administra

## 5. Download 클릭

### MySQL Installer 5.7.21

Select Operating System:  
Microsoft Windows

Looking for previous GA versions?

Windows (x86, 32-bit), MSI Installer (mysql-installer-web-community-5.7.21.0.msi)	5.7.21	18.6M	<a href="#">Download</a>
Windows (x86, 32-bit), MSI Installer (mysql-installer-community-5.7.21.0.msi)	5.7.21	370.8M	<a href="#">Download</a>

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

## 6. No thanks 클릭

# Begin Your Download

mysql-installer-community-5.7.21.0.msi

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
- Comment in the MySQL Documentation

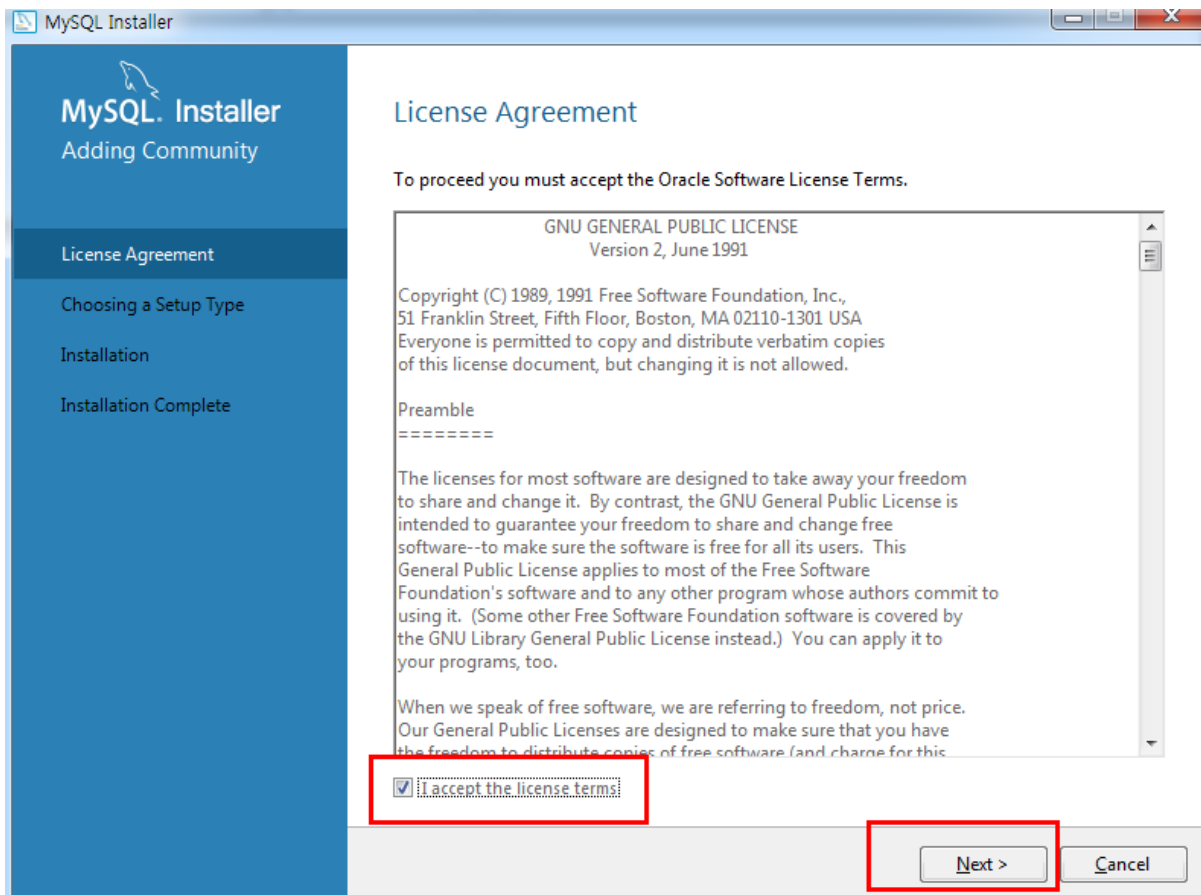
[Login »](#)  
using my Oracle Web account

[Sign Up »](#)  
for an Oracle Web account

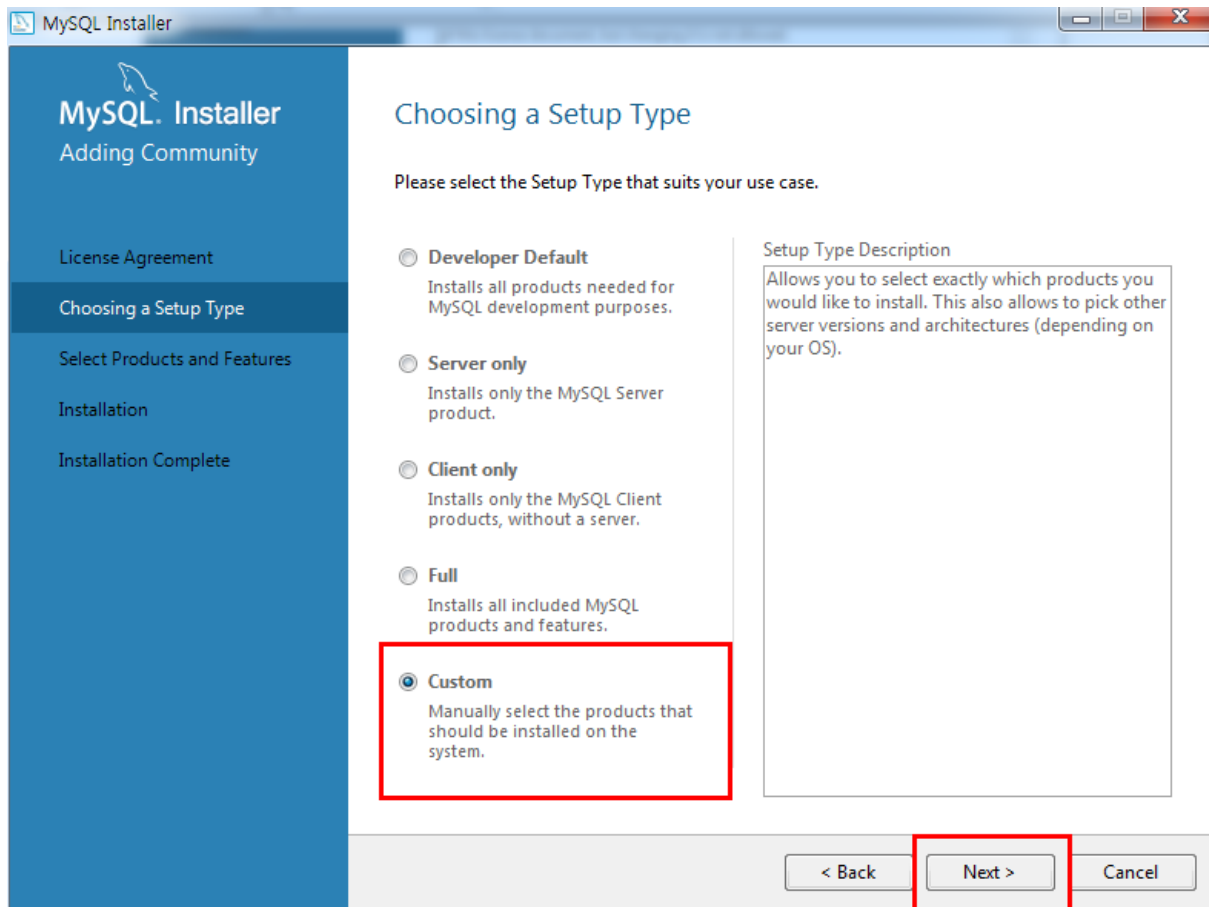
MySQL.com is using Oracle SSO for authentication. If you already have an Oracle Web account, click the Login link. Otherwise, you can sign up for a free account by clicking the Sign Up link and following the instructions.

No thanks, just start my download.

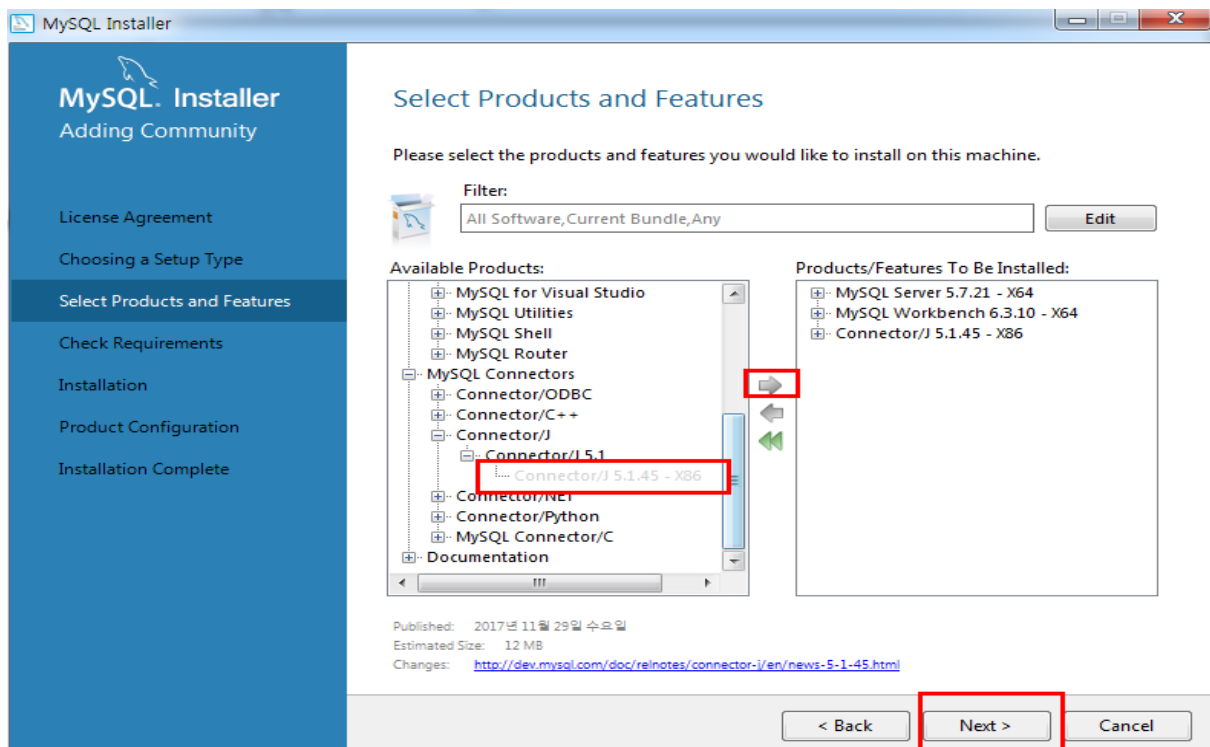
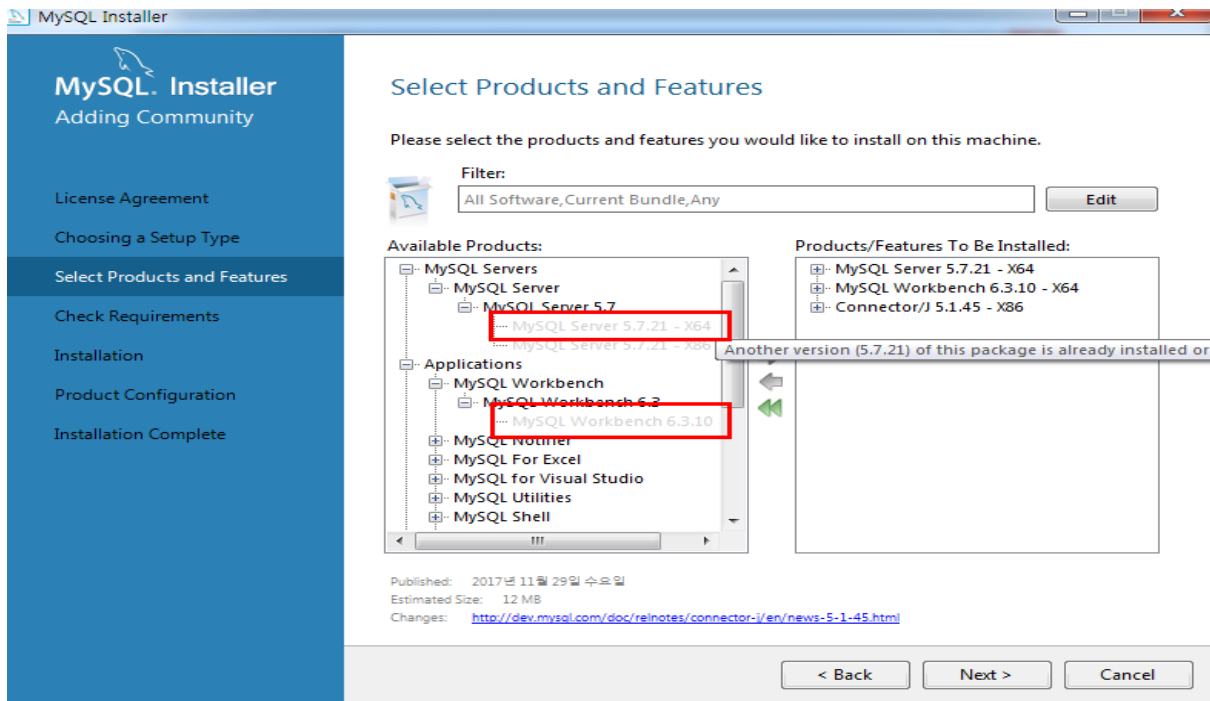
## 7. 설치 파일 실행 -> 라이선스 동의 후 Next 클릭



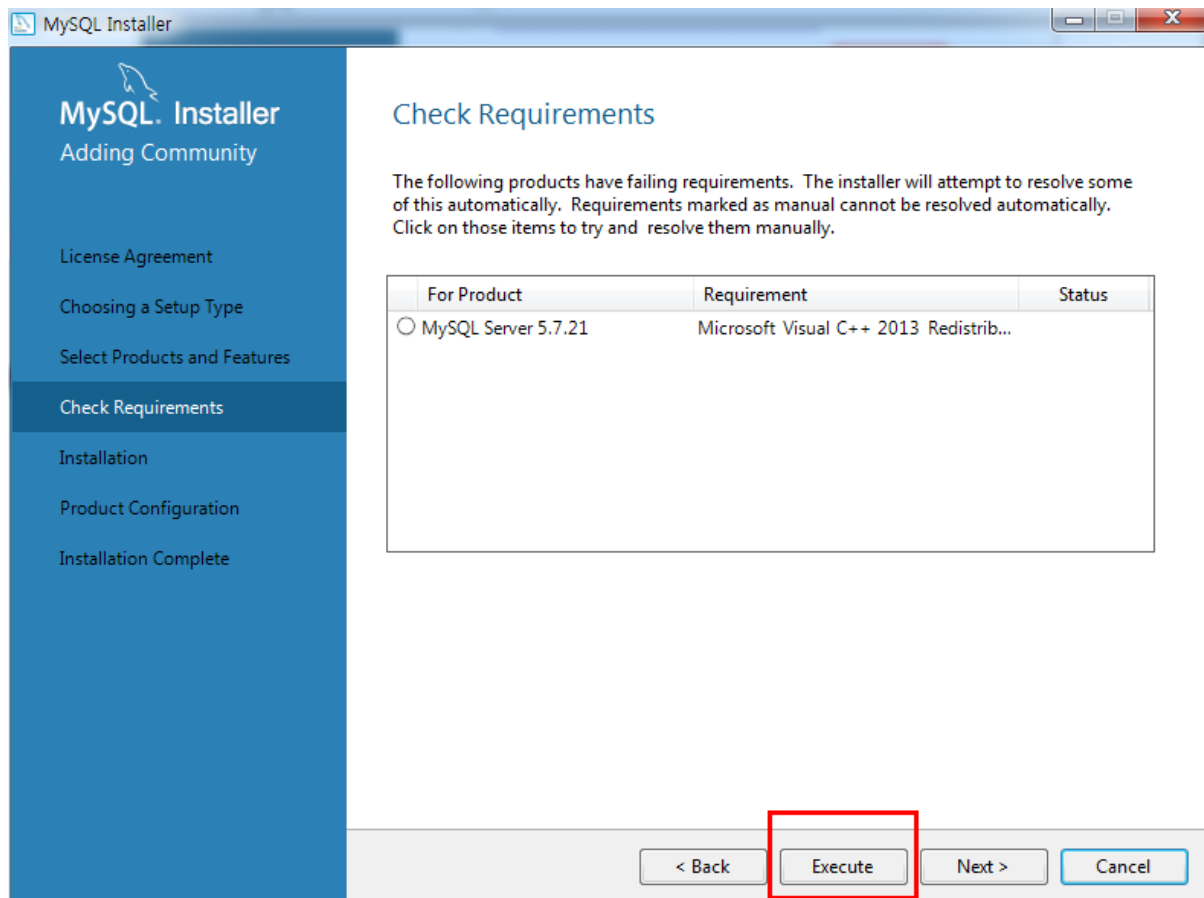
## 8. Custom 클릭 후 Next



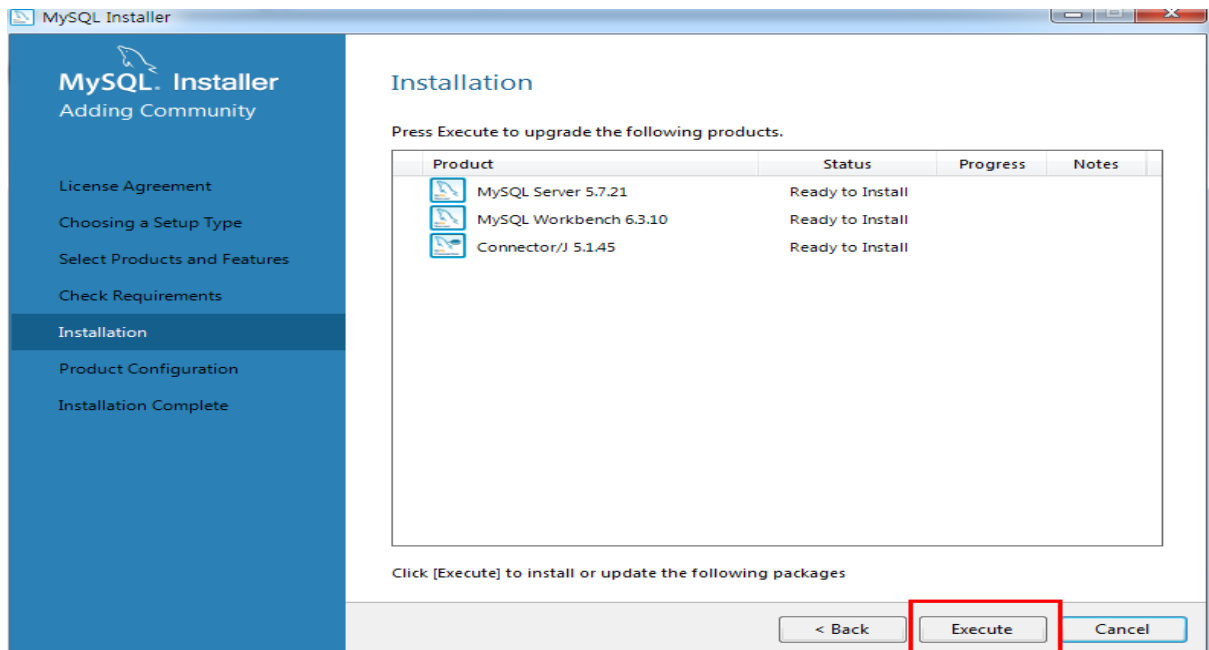
9. MySQL Server 탭 아래에 있는 MySQL Server 5.7.21 x64 파일, Application 탭 아래 MySQL Workbench, MySQL Connector 탭 아래에 Connector/J 화살표를 이용하여 오른쪽에 담고 Next클릭



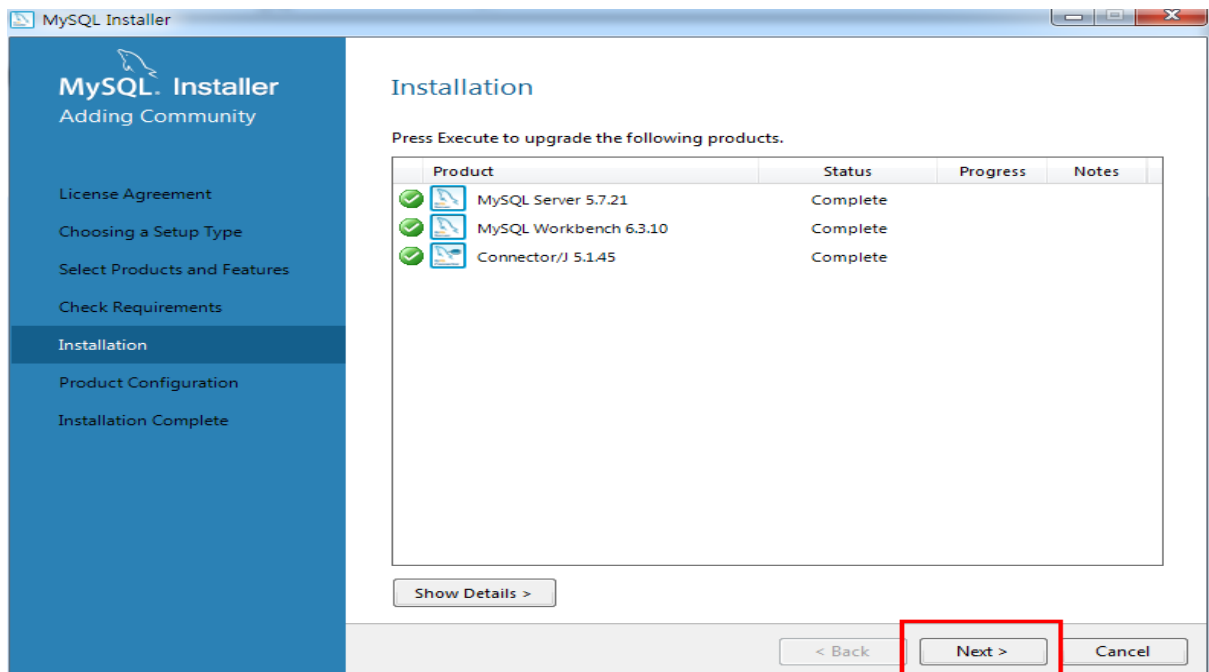
## 10. Microsoft Visual C++ 2013 미 설치했을시에만 뜨는 화면, Execute를 눌러 설치하고 진행



## 11. Execute 버튼을 눌러 설치 시작

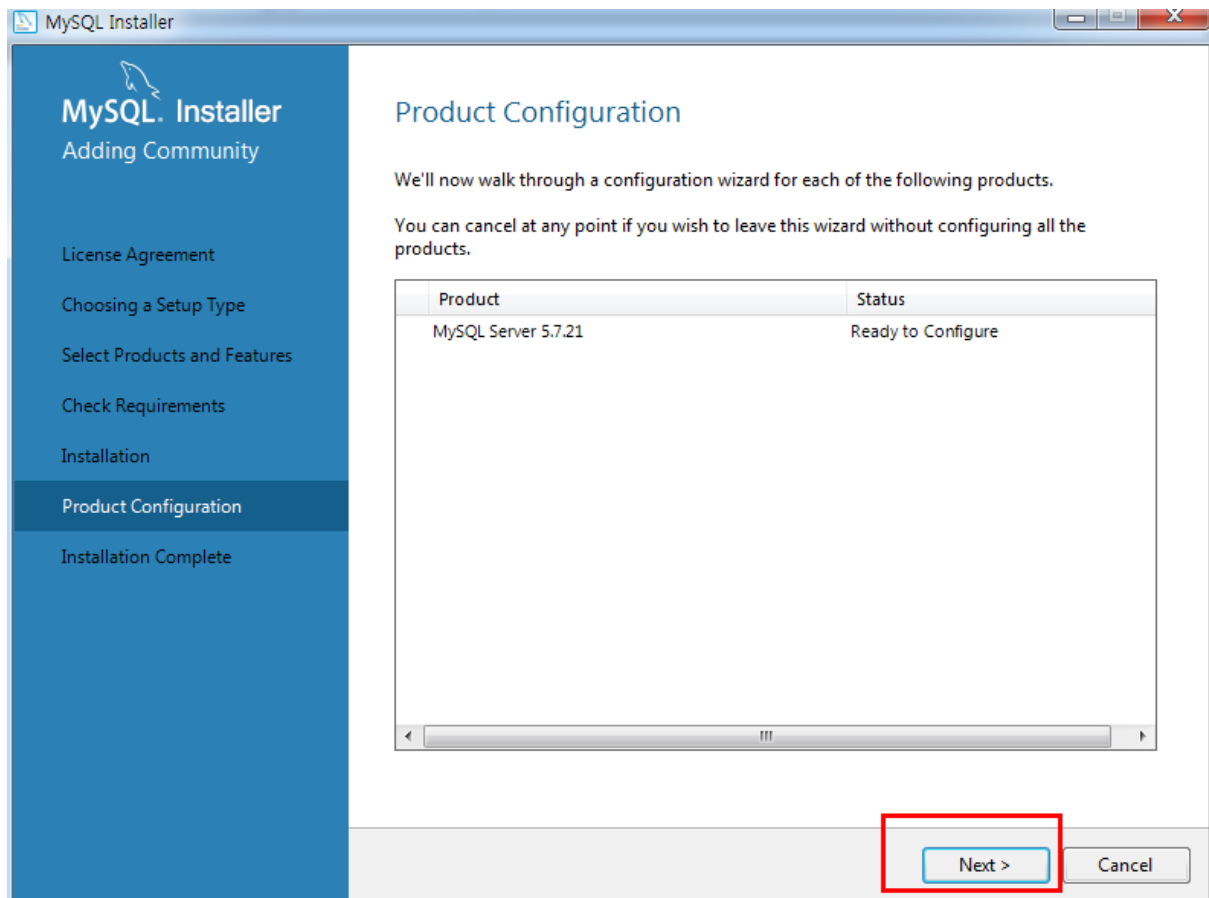


## 12. 설치가 끝났으면 Next 클릭.



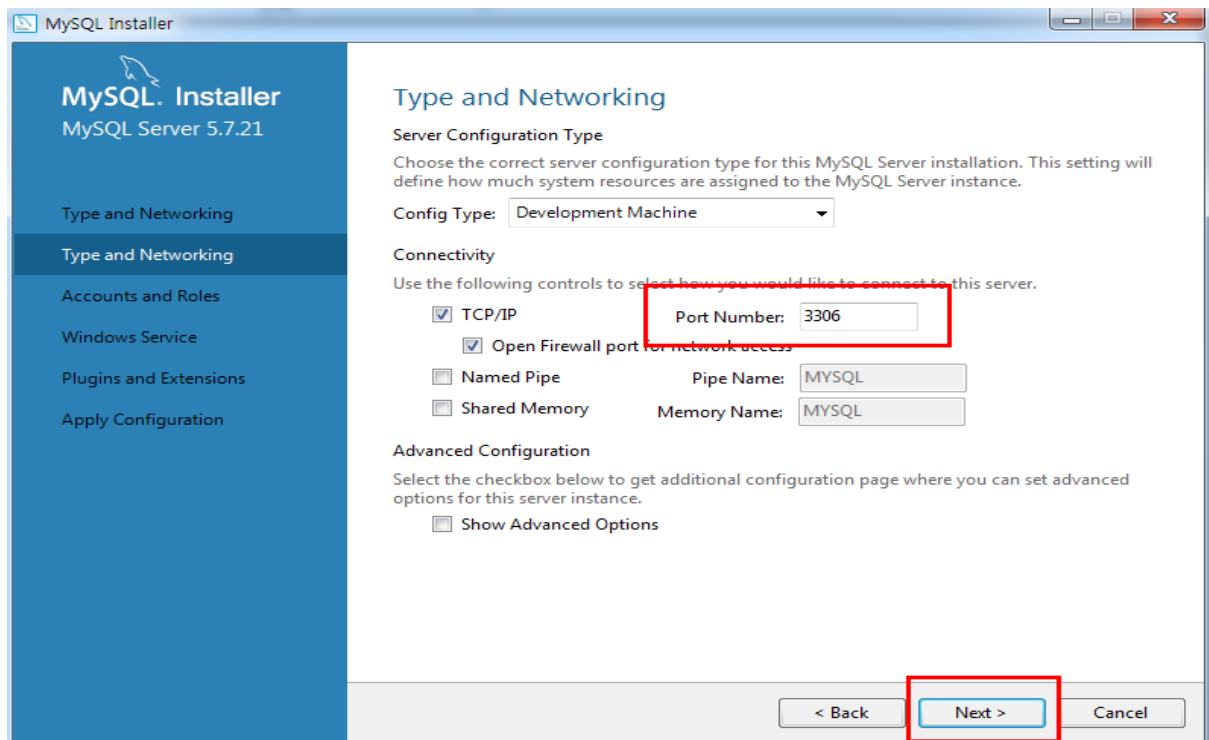
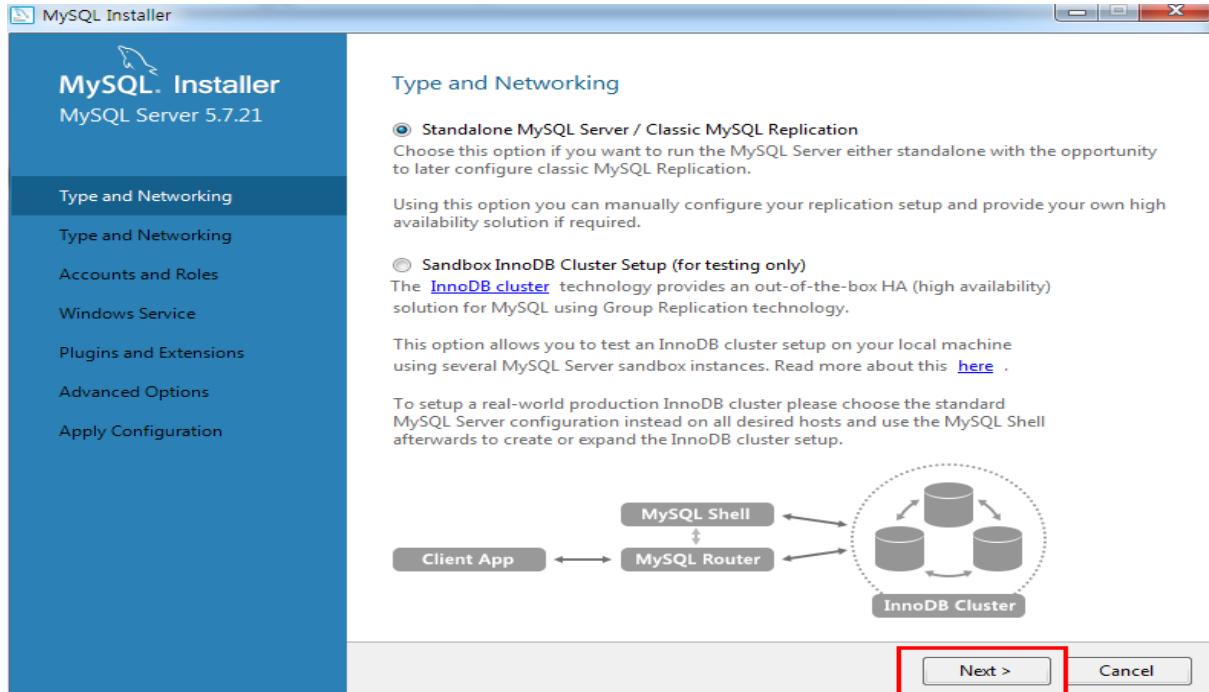


### 13. Next 클릭하여 서버 설정 시작.

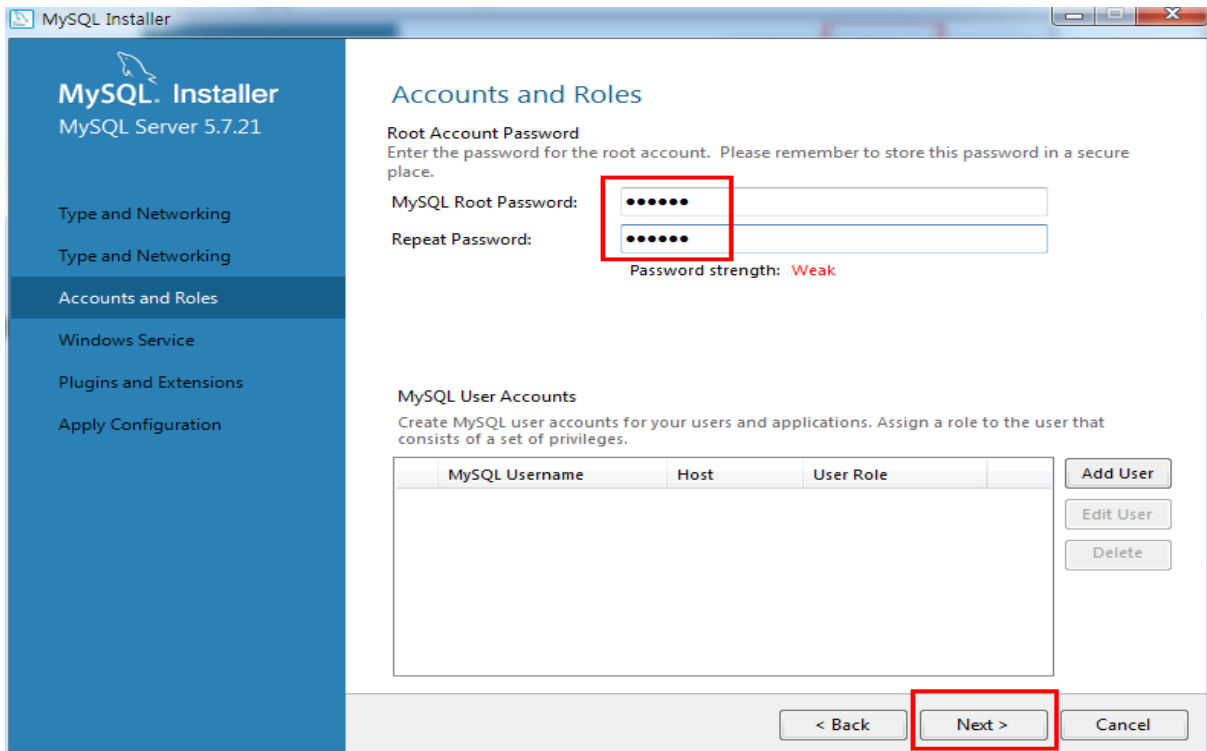


## \* MySQL Server 설정

1. Port번호 확인하고 넘어갈 것. 기본은 3306으로 되어있음.



## 2. 관리자 Root 비밀번호 설정 후 Next



The screenshot shows the 'Accounts and Roles' step of the MySQL Installer. The left sidebar lists the installation steps: Type and Networking, Accounts and Roles (selected), Windows Service, Plugins and Extensions, and Apply Configuration. The main area is titled 'Accounts and Roles' and contains the 'Root Account Password' section. It prompts the user to enter a password for the root account and repeat it. The password strength is indicated as 'Weak'. Below this is the 'MySQL User Accounts' section, which includes a table for adding users and buttons for 'Add User', 'Edit User', and 'Delete'. At the bottom, there are navigation buttons: '< Back', 'Next >' (highlighted with a red box), and 'Cancel'.

MySQL Installer  
MySQL Server 5.7.21

Type and Networking  
Type and Networking  
Accounts and Roles  
Windows Service  
Plugins and Extensions  
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

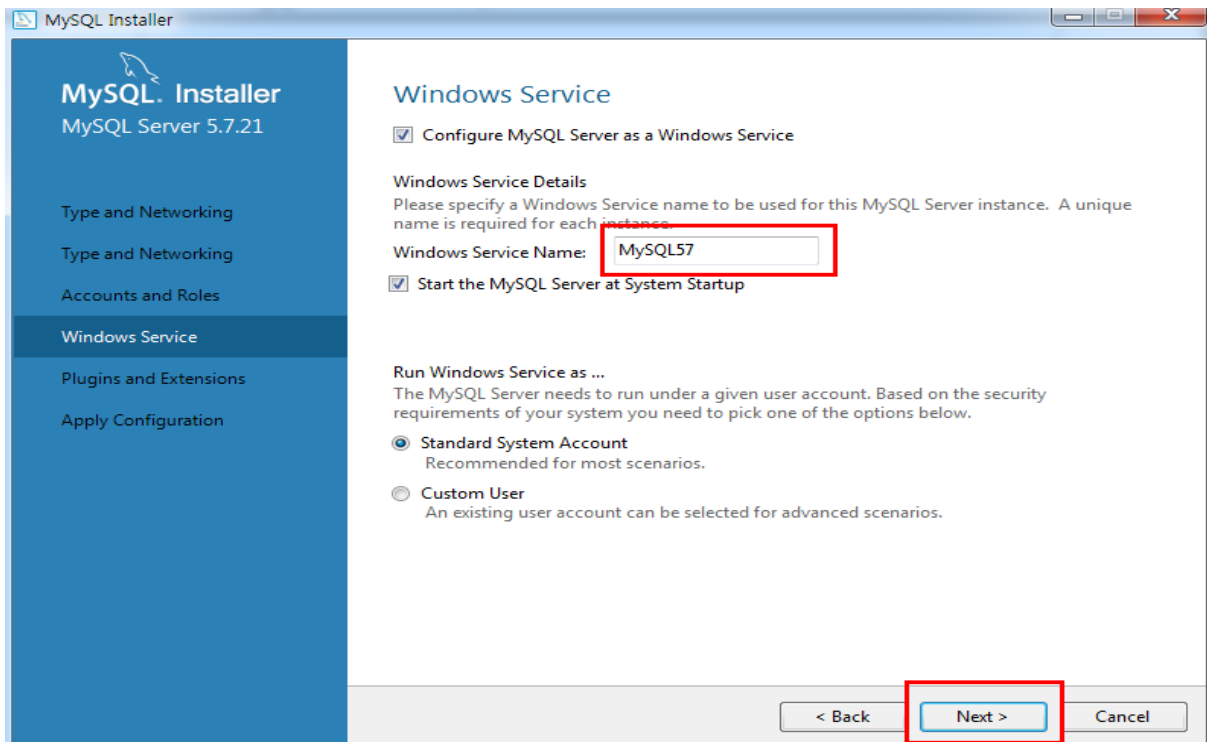
MySQL User Accounts  
Create MySQL user accounts for your users and applications. Assign a role to the user that consists of a set of privileges.

MySQL Username	Host	User Role
----------------	------	-----------

Add User  
Edit User  
Delete

< Back Next > Cancel

## 3. Service Name 지정 후 Next 클릭(디폴트로 뒤도 된다)



The screenshot shows the 'Windows Service' step of the MySQL Installer. The left sidebar lists the installation steps: Type and Networking, Windows Service (selected), Plugins and Extensions, and Apply Configuration. The main area is titled 'Windows Service' and contains the 'Configure MySQL Server as a Windows Service' checkbox, which is checked. Below this is the 'Windows Service Details' section, which prompts the user to specify a Windows Service name. The 'Windows Service Name' field is highlighted with a red box and contains the text 'MySQL57'. There is also a checkbox for 'Start the MySQL Server at System Startup', which is checked. At the bottom, there are navigation buttons: '< Back', 'Next >' (highlighted with a red box), and 'Cancel'.

MySQL Installer  
MySQL Server 5.7.21

Type and Networking  
Type and Networking  
Accounts and Roles  
Windows Service  
Plugins and Extensions  
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

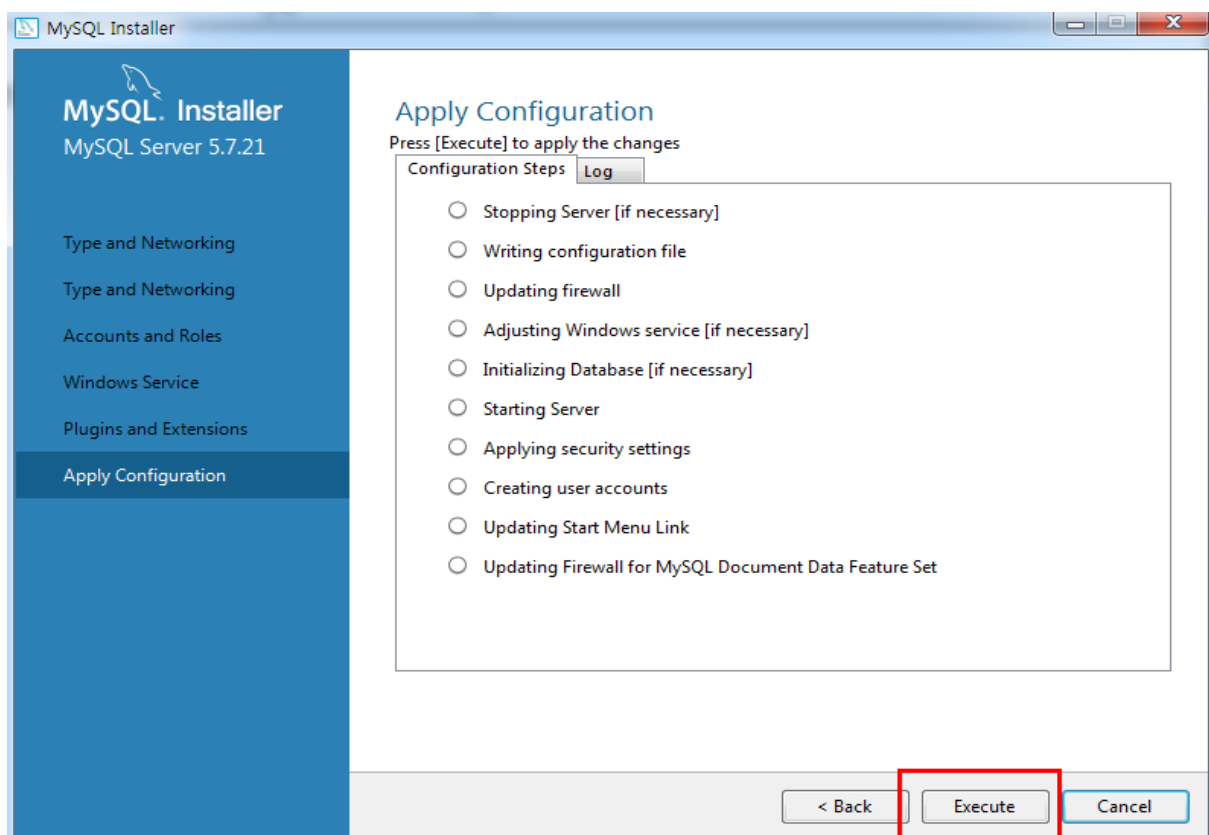
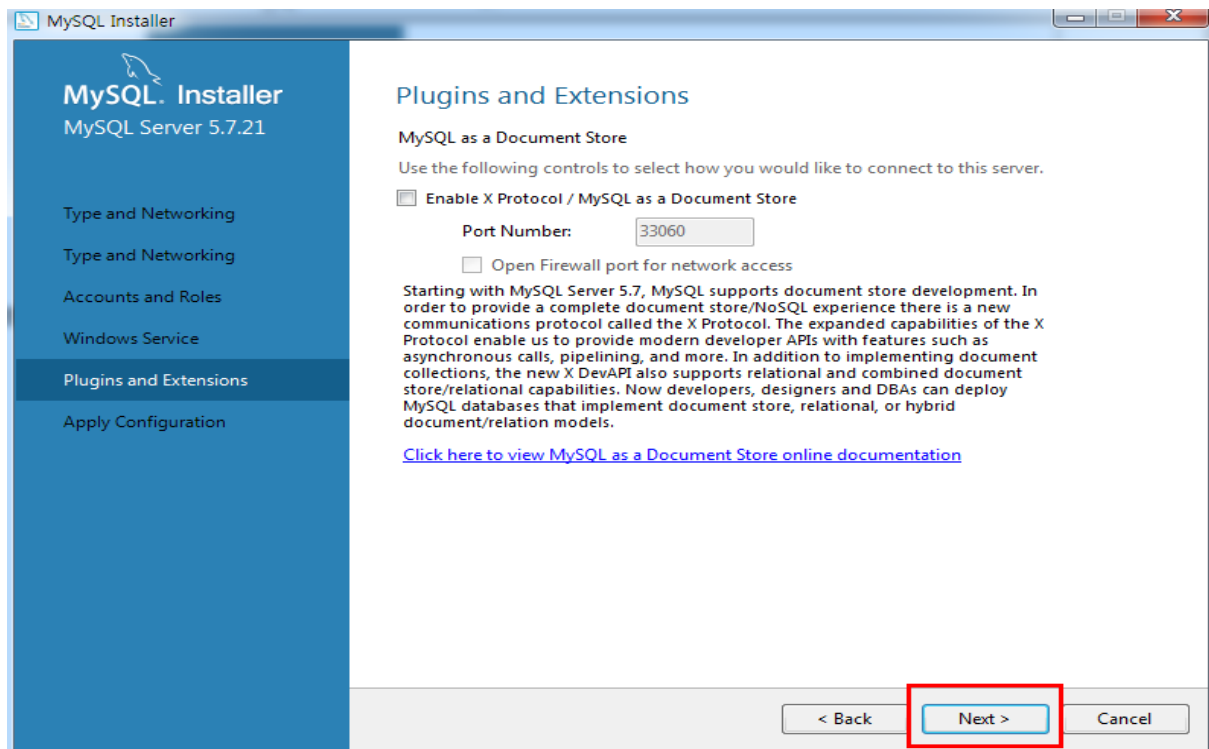
Run Windows Service as ...  
The MySQL Server needs to run under a given user account. Based on the security requirements of your system you need to pick one of the options below.

☒ Standard System Account  
Recommended for most scenarios.

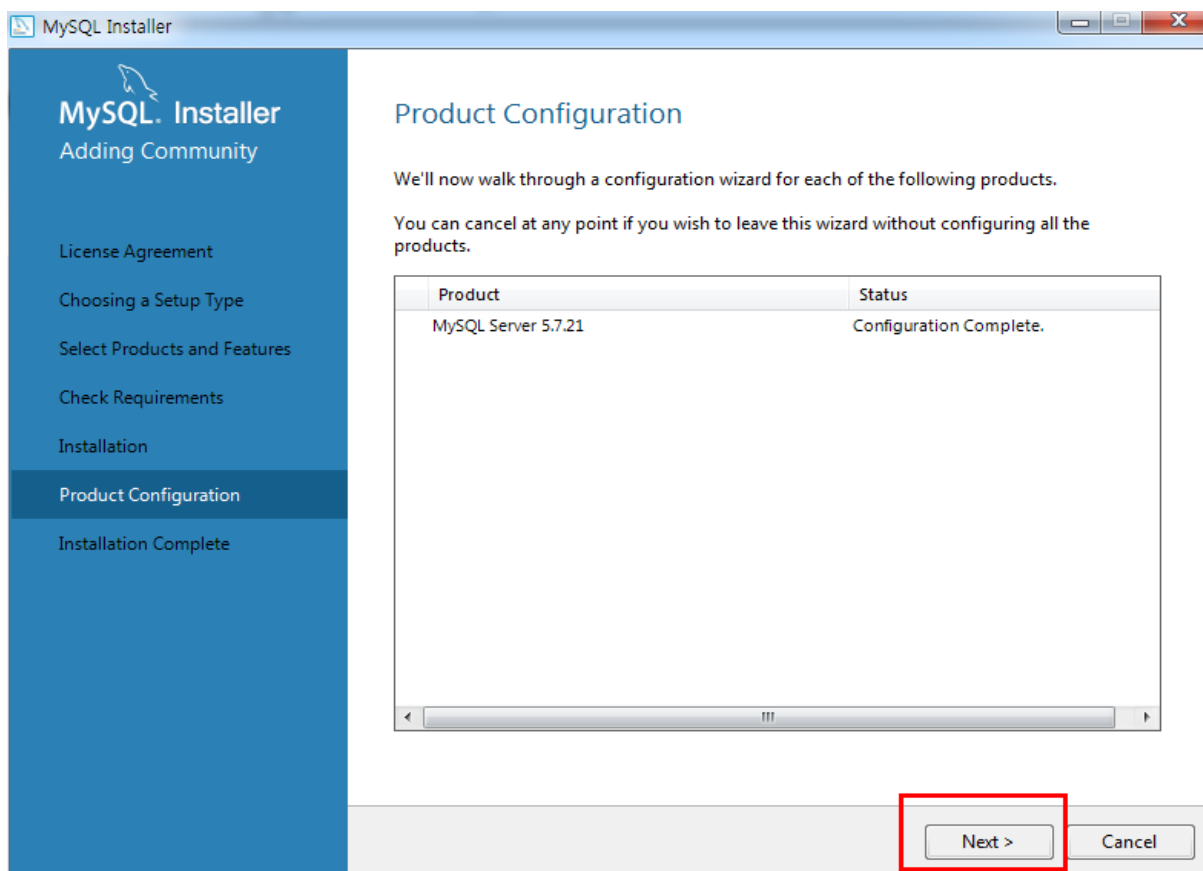
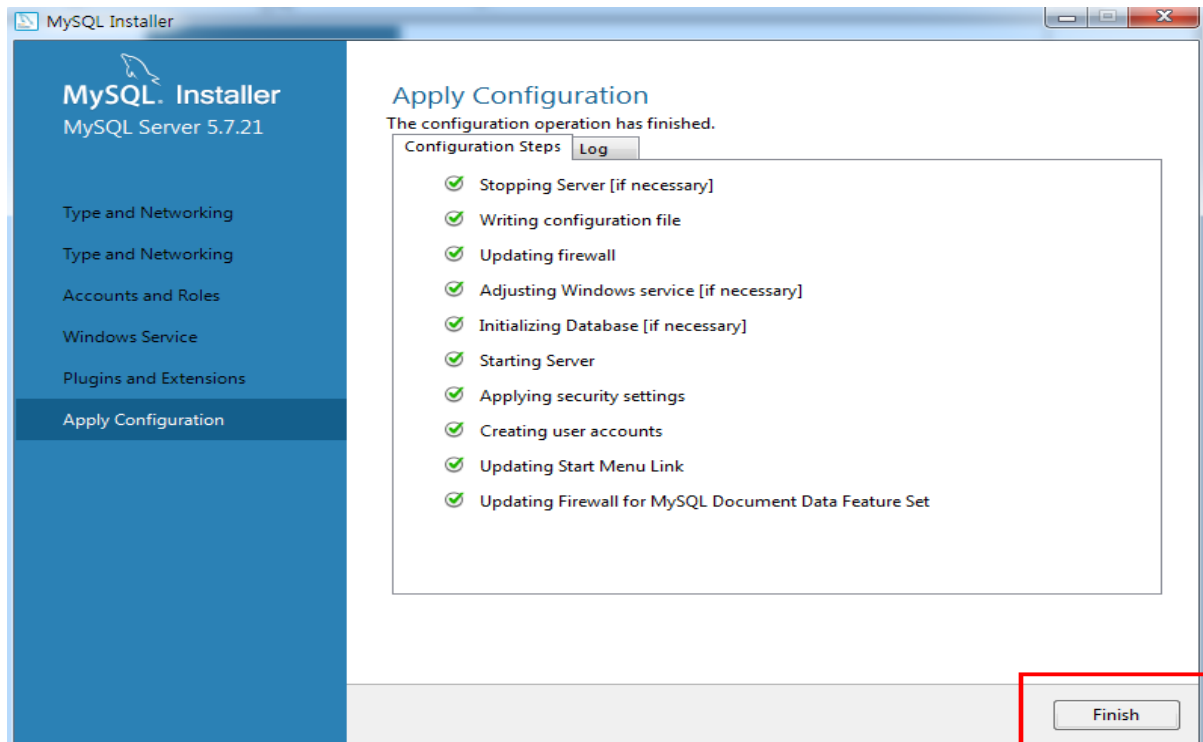
☐ Custom User  
An existing user account can be selected for advanced scenarios.

< Back Next > Cancel

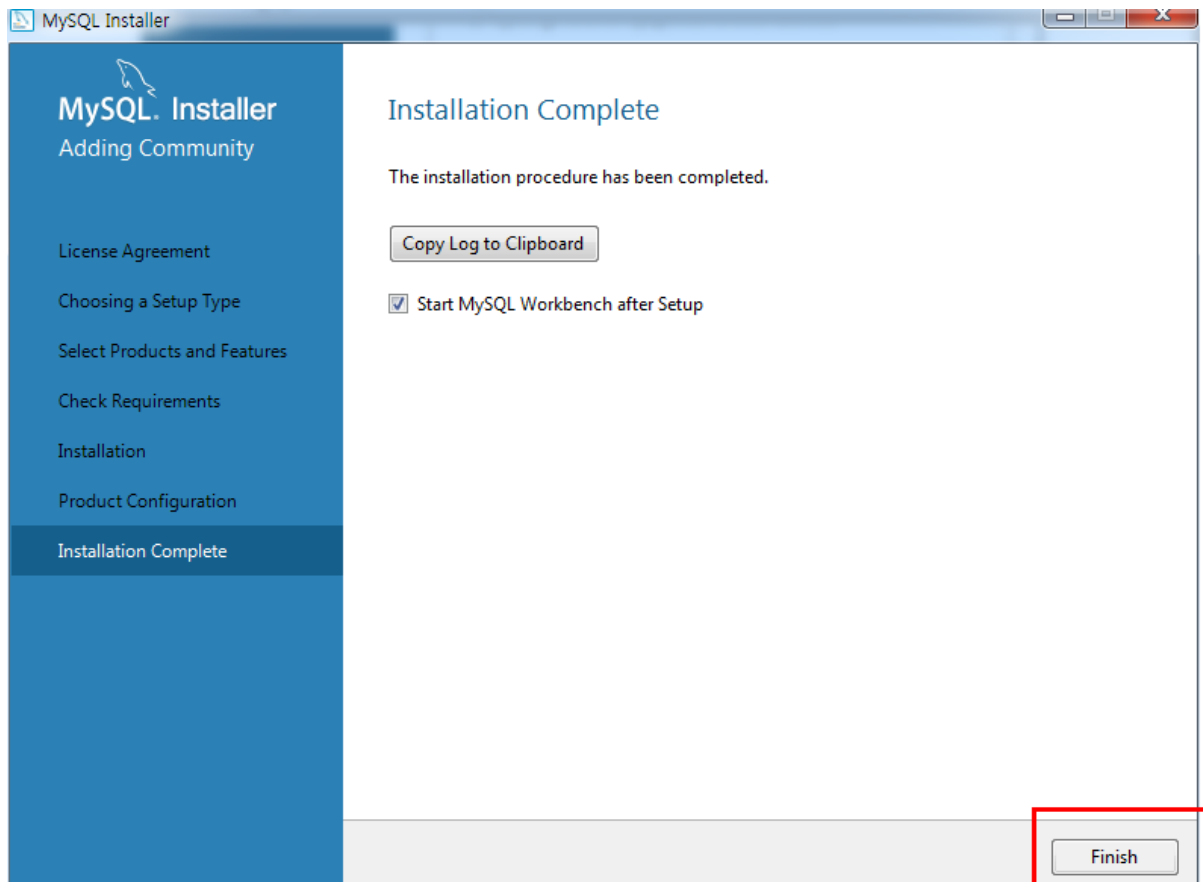
#### 4. Next, Execute 클릭



## 5. Finish, Next 클릭

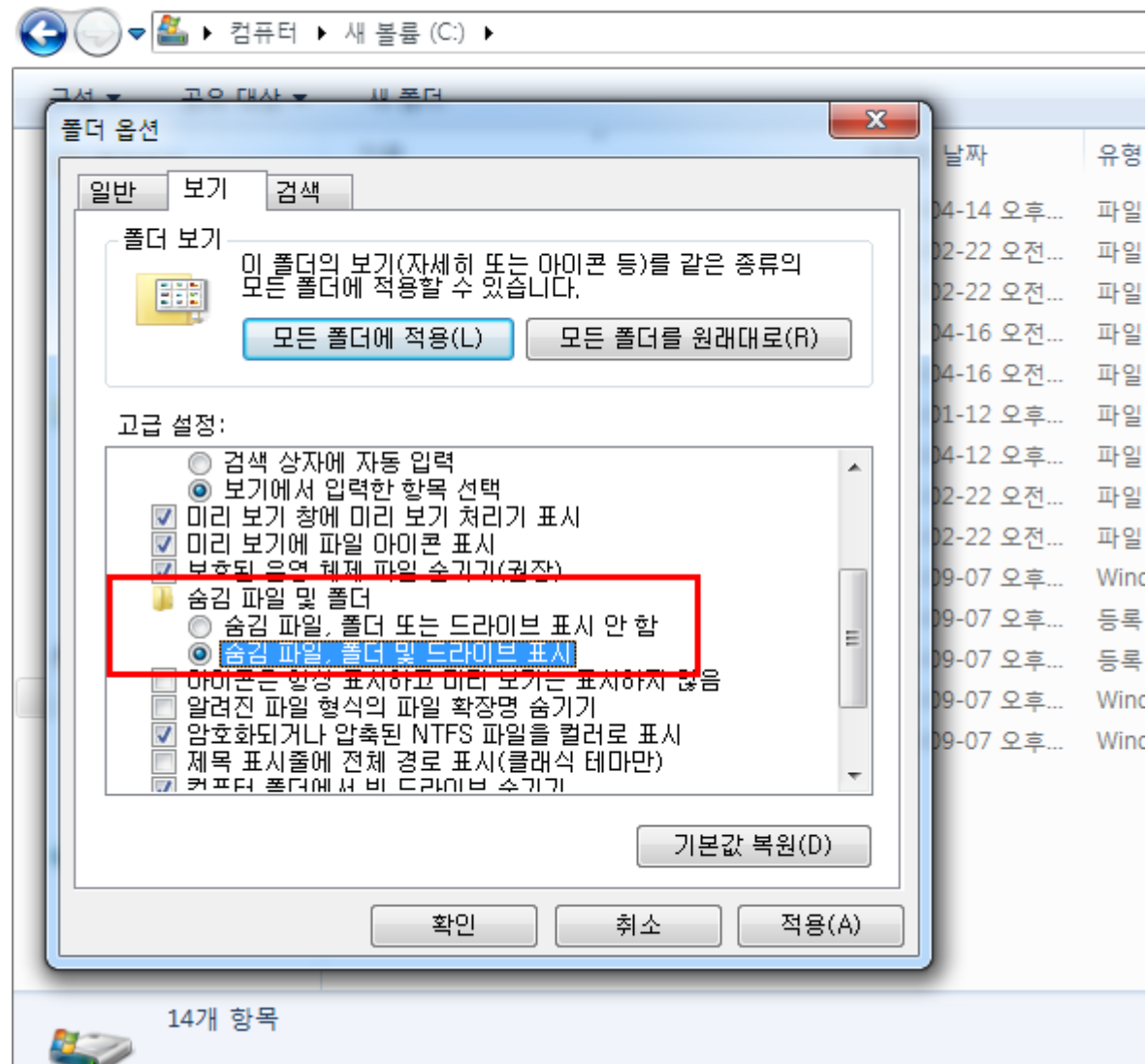


## 6. 설정 완료.

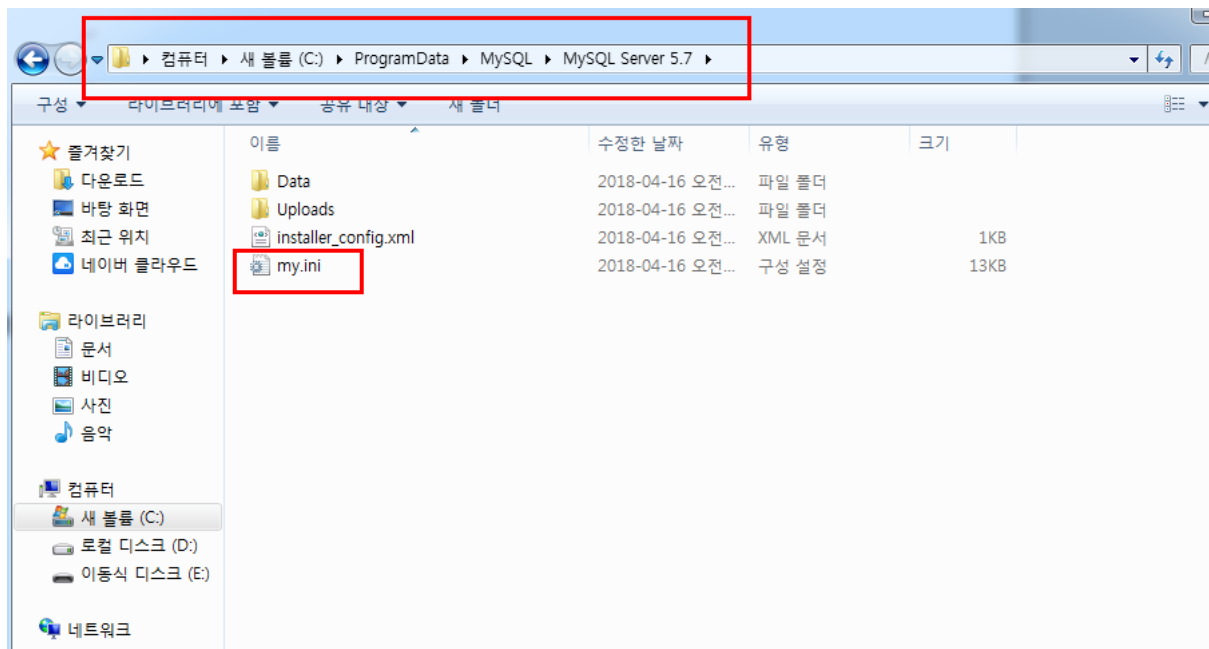


## \* MySQL 한글 인코딩 설정

1. 내 컴퓨터 -> C드라이브 클릭 -> 폴더옵션에서 숨김 폴더 표시 체크



## 2. 숨겨진 폴더 ProgramData -> MySQL -> MySQL Server 5.7 폴더 연 뒤 my.ini 파일 수정



## 3. my.ini 파일 안에 다음 문장 추가

[client]

default-character-set=utf8

[mysqld]

character-set-server=utf8

collation-server=utf8\_general\_ci

init\_connect=SET collation\_connection=utf8\_general\_ci

init\_connect=SET NAMES utf8

[mysql]

default-character-set=utf8



#### 4. 설정이 완료된 모습

```
#
[client]
default-character-set=utf8

# pipe
# socket=0,0
port=3306

[mysql]
no-beep

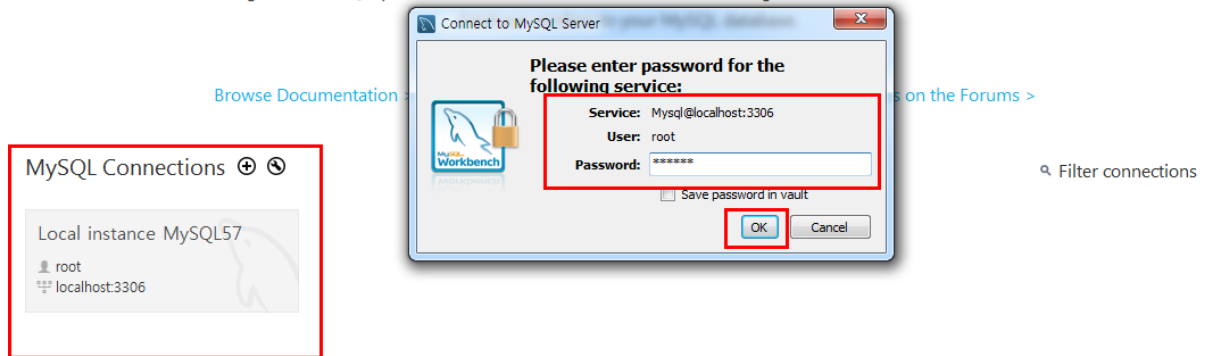
default-character-set=utf8


# SERVER SECTION
#
-----
#
# The following options will be read by the MySQL Server. Make sure that
# you have installed the server correctly (see above) so it reads this
# file,
#
# server_type=3
[mysqld]
character-set-server=utf8
collation-server=utf8_general_ci
init_connect=SET collation_connection=utf8_general_ci
init_connect=SET NAMES utf8
# The next three options are mutually exclusive to SERVER_PORT below,
# skip-networking
```

5. MySQL Workbench 실행 후 한글 인코딩 확인, 이미 워크벤치가 실행중이라면 재실행한다.

## 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



## 6. System Variable 탭 아래 'char'입력 후 한글 인코딩 확인.

The screenshot shows the MySQL Enterprise Manager interface. In the left sidebar, the 'Status and System Variables' option is selected. The main pane displays the 'Server Variables' tab for the local instance MySQL57. A search filter 'char' is applied to the 'System Variables' list. The resulting table shows the following variables and their values:

Name	Value	Description
character_set_client	utf8	[rw] Current client character set
character_set_connection	utf8	[rw] Current connection character set
character_set_database	utf8	[rw] The character set used by the default database
character_set_filesystem	binary	[rw] Set the file system character set
character_set_results	utf8	[rw] Current result character set
character_set_server	utf8	[rw] Specify default character set
character_set_system	utf8	The character set used by the server for storing identifiers
character_sets_dir	C:\Program Files\My...	Directory where character sets are installed