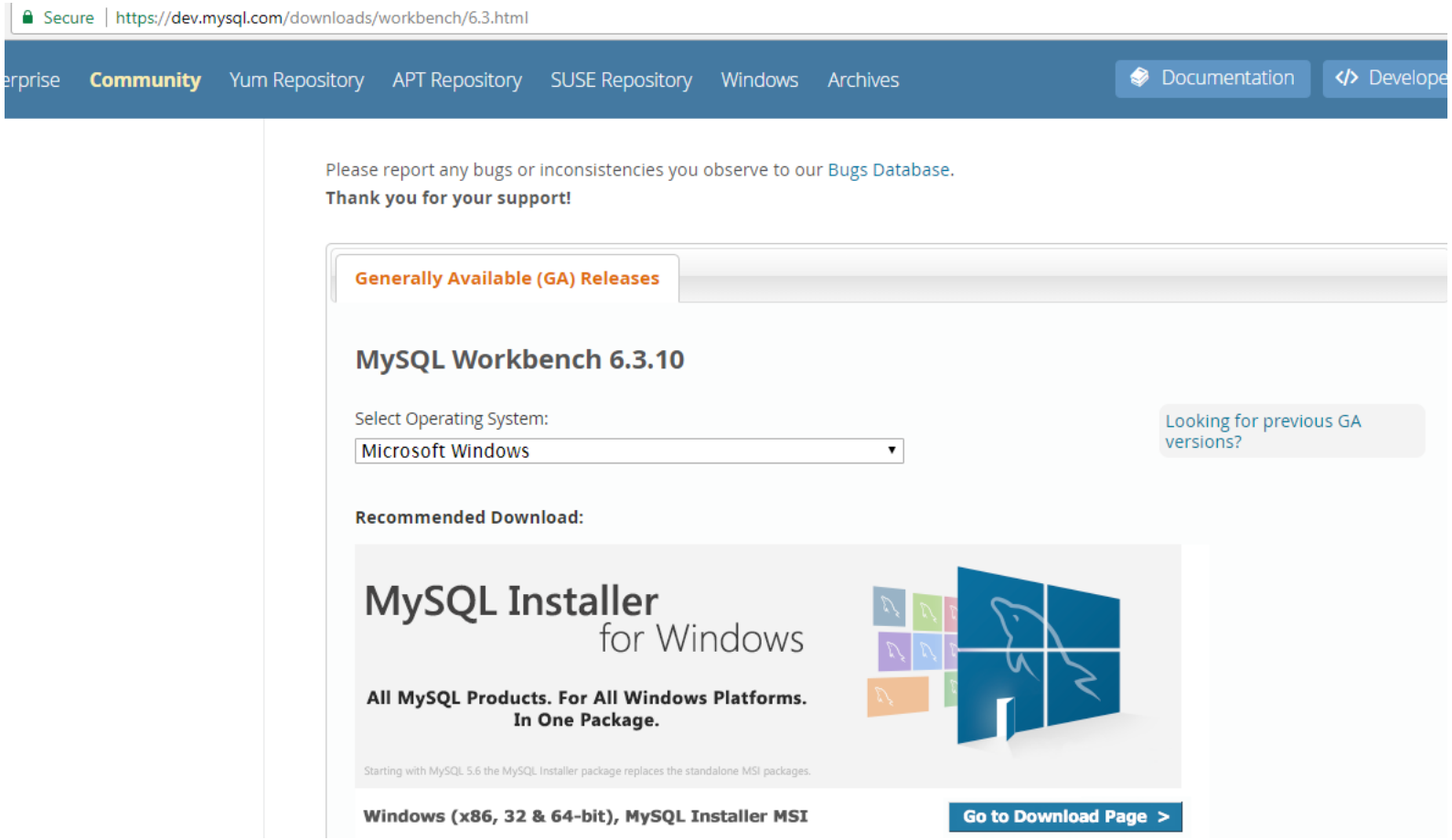
MySql Workbench

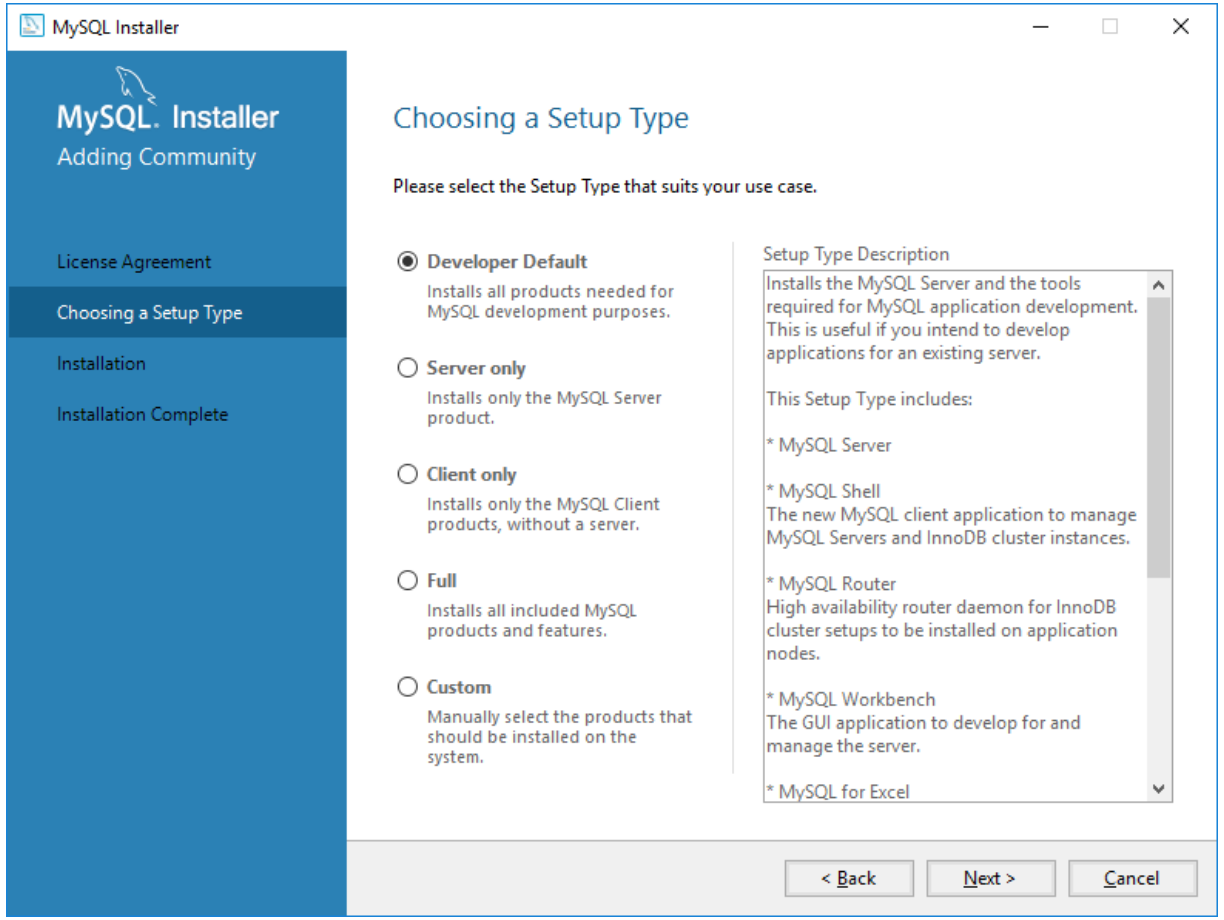
Install MySql server on Windows

- Install MySql server on Windows
- https://dev.mysql.com/downloads/workbench/5.2.html
- There are other versions as well. For example 6.3
- can also download for Mac and Linux

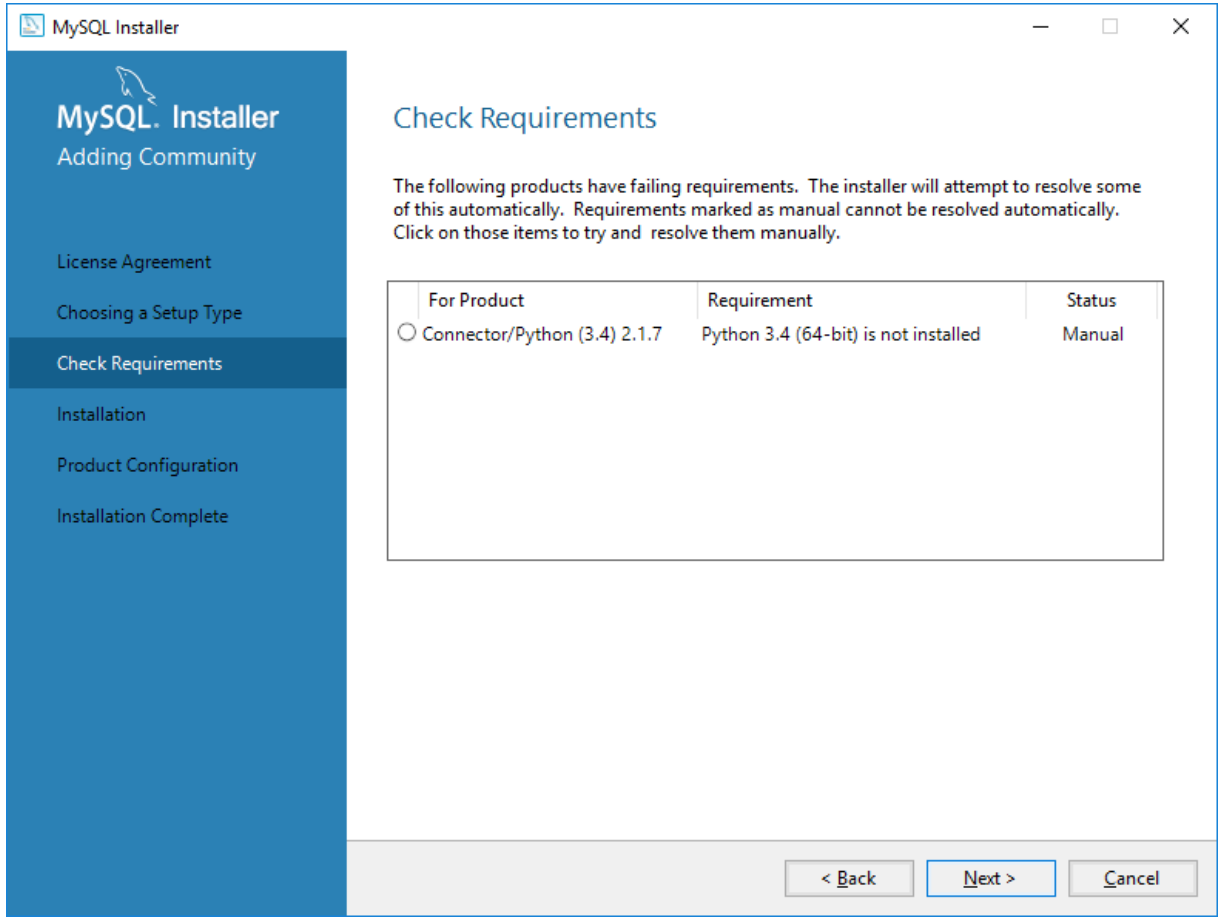
Go to Download Page to download



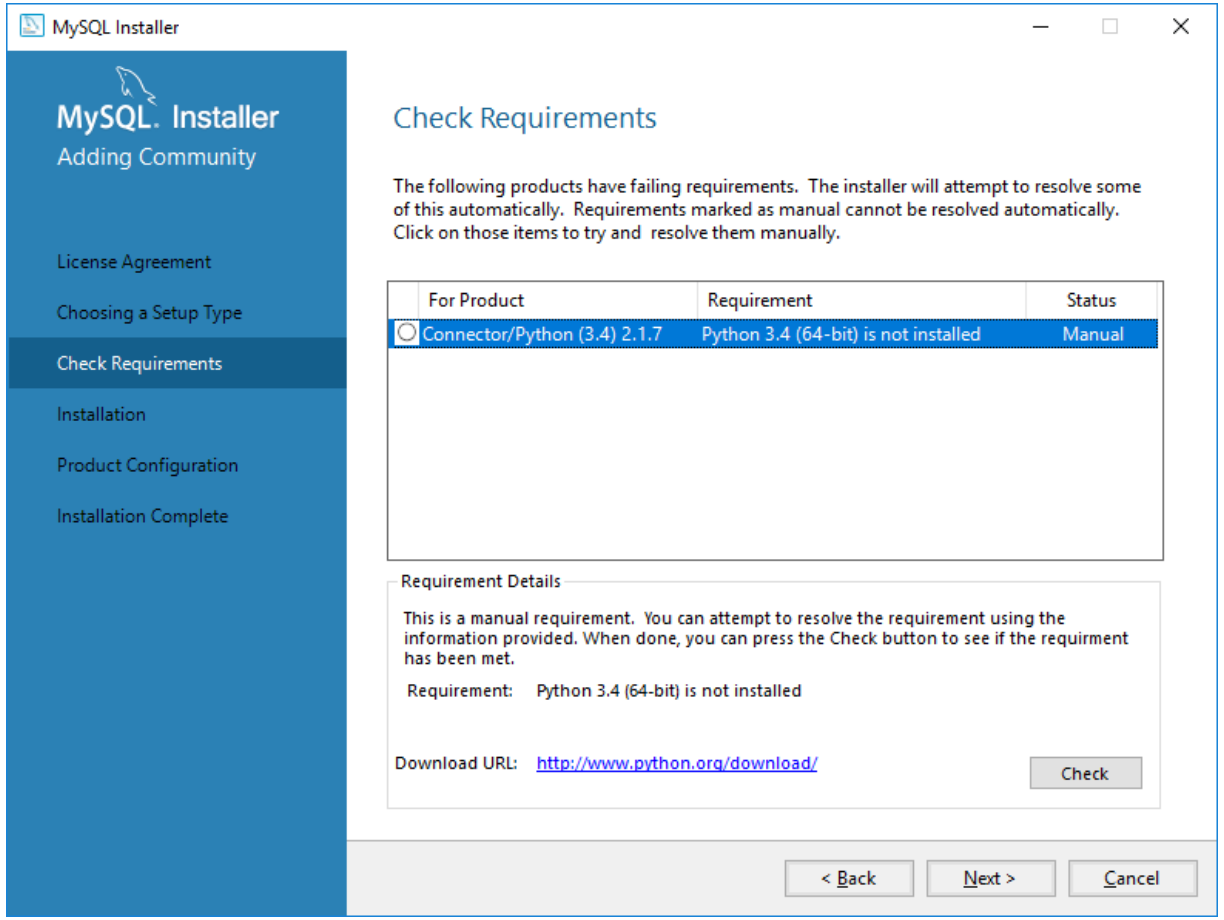
Run the installer

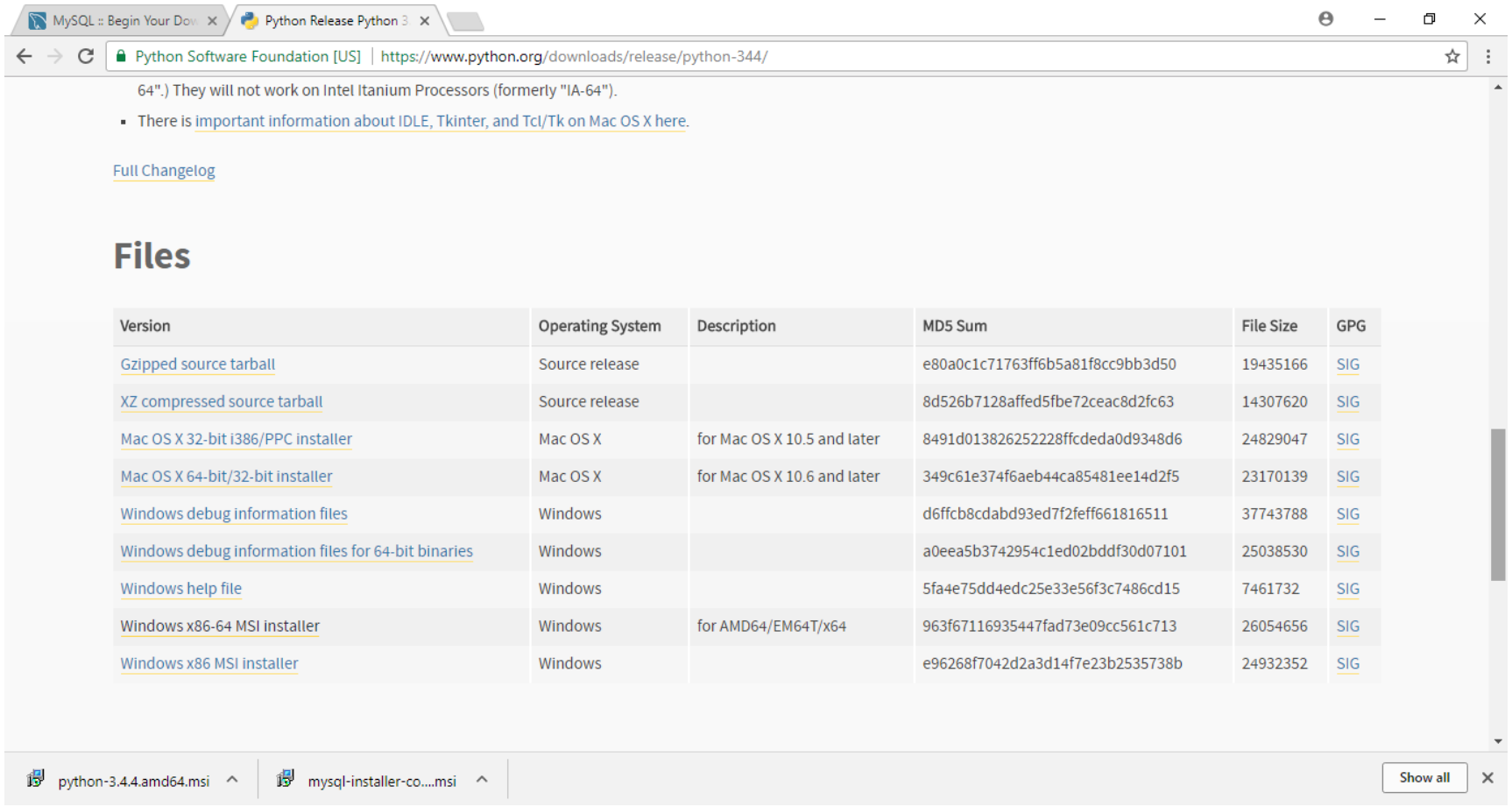


Check requirements

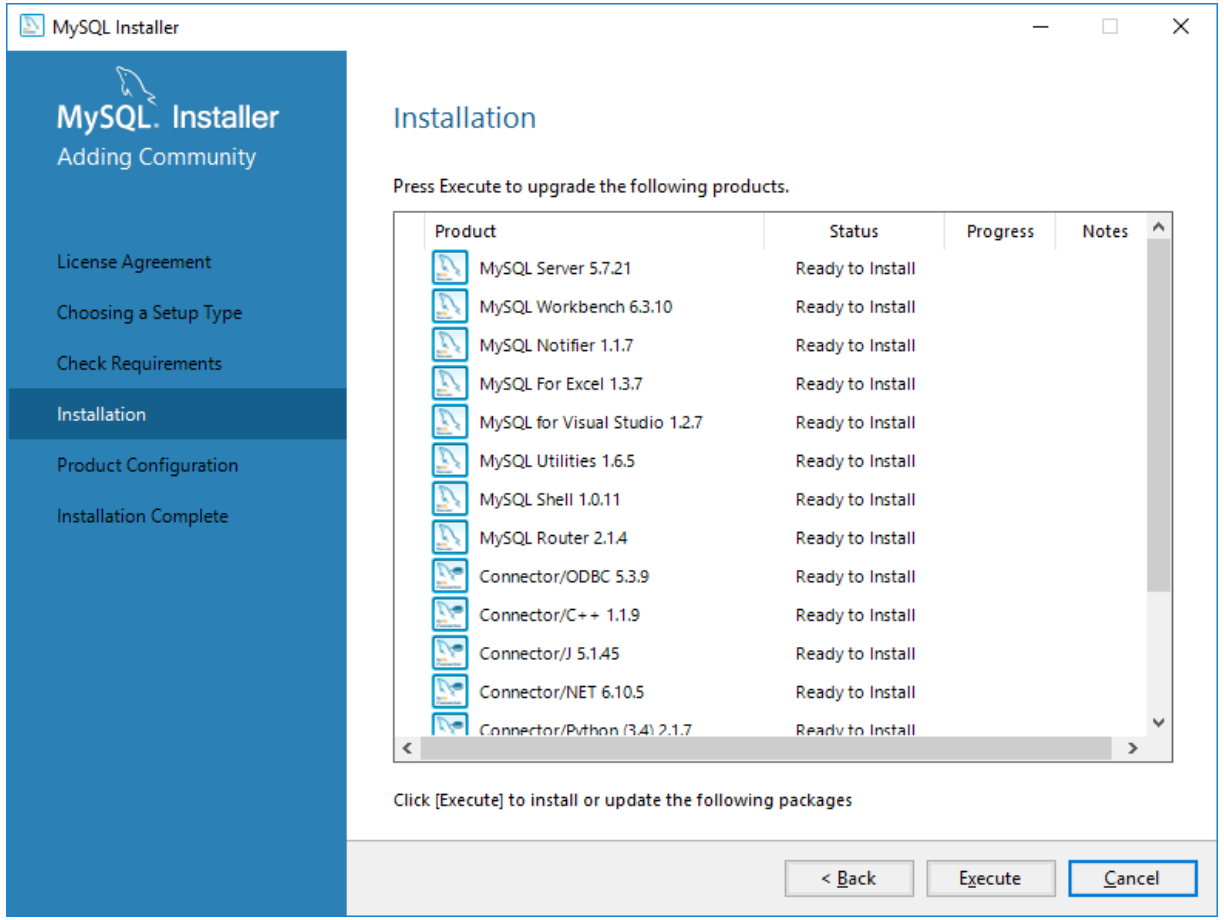


In my case, I need Python 3.4

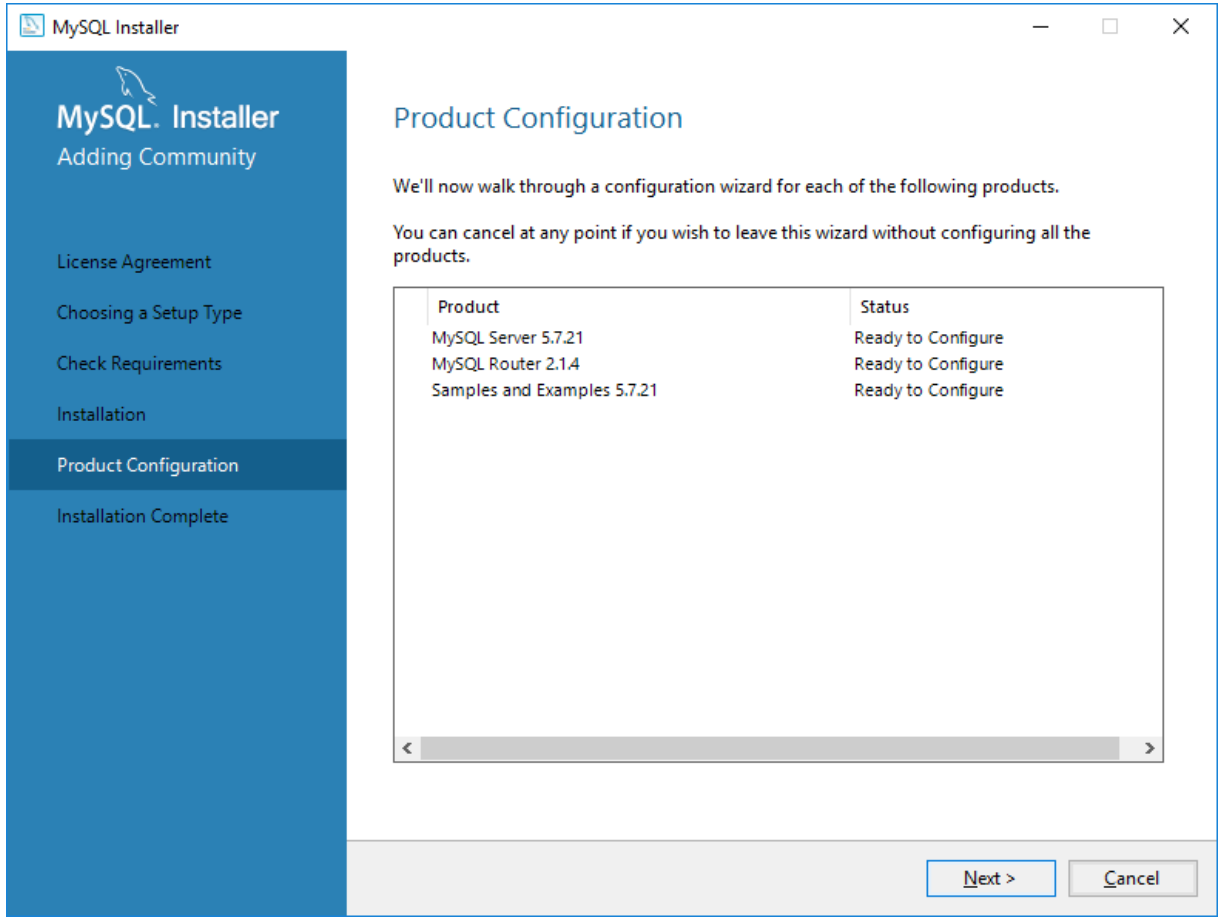



MySQL :: Begin Your Do
Python Release Python 3
Python Software Foundation [US] | https://www.python.org/downloads/release/python-344/
64".) They will not work on Intel Itanium Processors (formerly "IA-64").
There is important information about IDLE, Tkinter, and Tcl/Tk on Mac OS X here.
Full Changelog
Files
Version | Operating System | Description | MD5 Sum | File Size | GPG
Gzipped source tarball | Source release | | e80a0c1c71763ff6b5a81f8cc9bb3d50 | 19435166 | SIG
XZ compressed source tarball | Source release | | 8d526b7128affed5fbe72ceac8d2fc63 | 14307620 | SIG
Mac OS X 32-bit i386/PPC installer | Mac OS X | for Mac OS X 10.5 and later | 8491d013826252228ffcdeda0d9348d6 | 24829047 | SIG
Mac OS X 64-bit/32-bit installer | Mac OS X | for Mac OS X 10.6 and later | 349c61e374f6aeb44ca85481ee14d2f5 | 23170139 | SIG
Windows debug information files | Windows | | d6ffcb8cdabd93ed7f2feff661816511 | 37743788 | SIG
Windows debug information files for 64-bit binaries | Windows | | a0eea5b3742954c1ed02bddf30d07101 | 25038530 | SIG
Windows help file | Windows | | 5fa4e75dd4edc25e33e56f3c7486cd15 | 7461732 | SIG
Windows x86-64 MSI installer | Windows | for AMD64/EM64T/x64 | 963f67116935447fad73e09cc561c713 | 26054656 | SIG
Windows x86 MSI installer | Windows | | e96268f7042d2a3d14f7e23b2535738b | 24932352 | SIG
python-3.4.4.amd64.msi
mysql-installer-co....msi
Show all

After install Python 3.4. It said completed. Now install



Product Configuration



MySQL Installer

MySQL. Installer
MySQL Server 5.7.21

- Type and Networking
- Type and Networking
- Accounts and Roles
- Windows Service
- Plugins and Extensions
- Advanced Options
- Apply Configuration

Type and Networking

(•) Standalone MySQL Server / Classic MySQL Replication

Choose this option if you want to run the MySQL Server either standalone with the opportunity to later configure classic MySQL Replication.

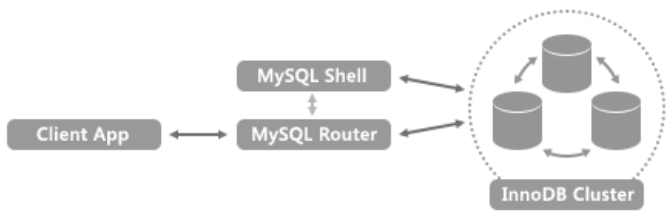
Using this option you can manually configure your replication setup and provide your own high availability solution if required.

( ) Sandbox InnoDB Cluster Setup (for testing only)

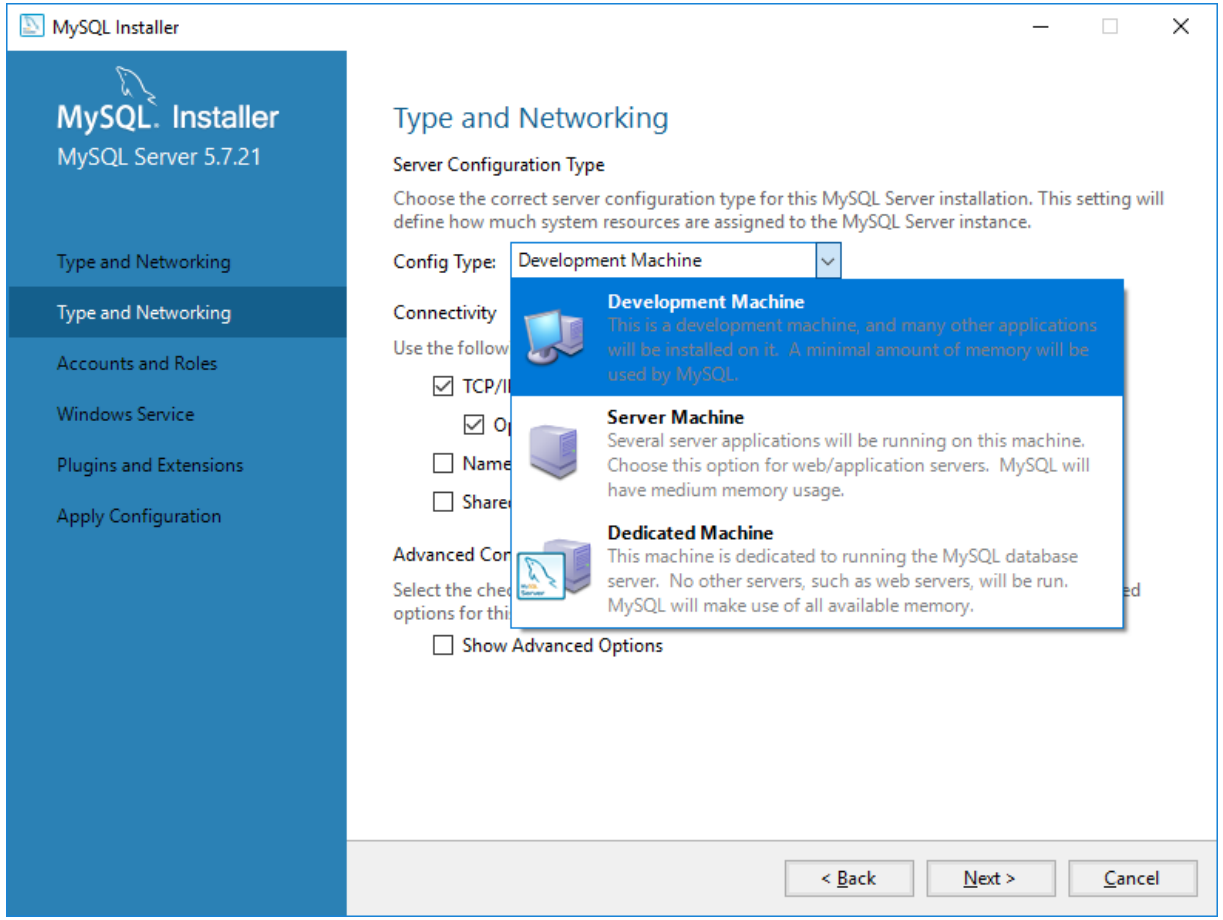
The InnoDB cluster technology provides an out-of-the-box HA (high availability) solution for MySQL using Group Replication technology.

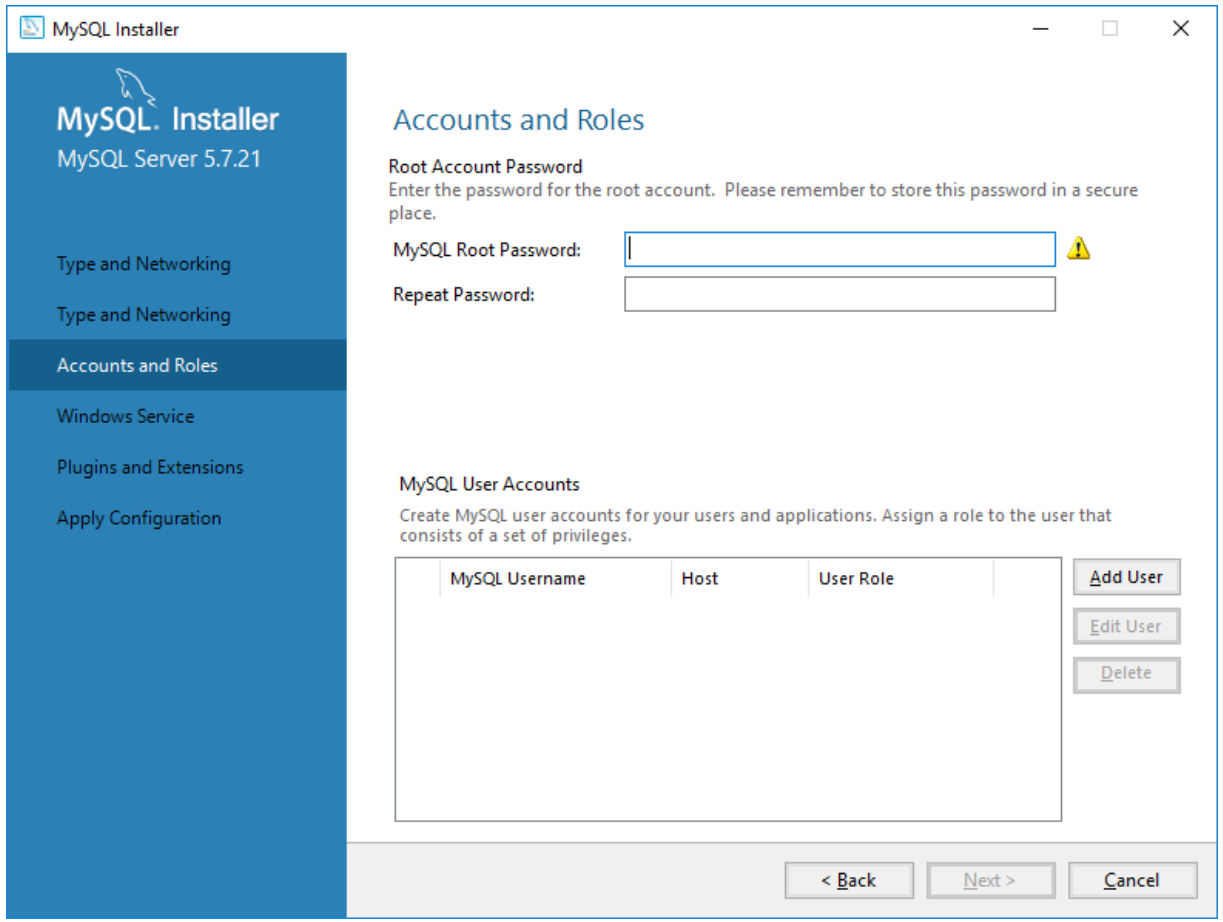
This option allows you to test an InnoDB cluster setup on your local machine using several MySQL Server sandbox instances. Read more about this here .

To setup a real-world production InnoDB cluster please choose the standard MySQL Server configuration instead on all desired hosts and use the MySQL Shell afterwards to create or expand the InnoDB cluster setup.

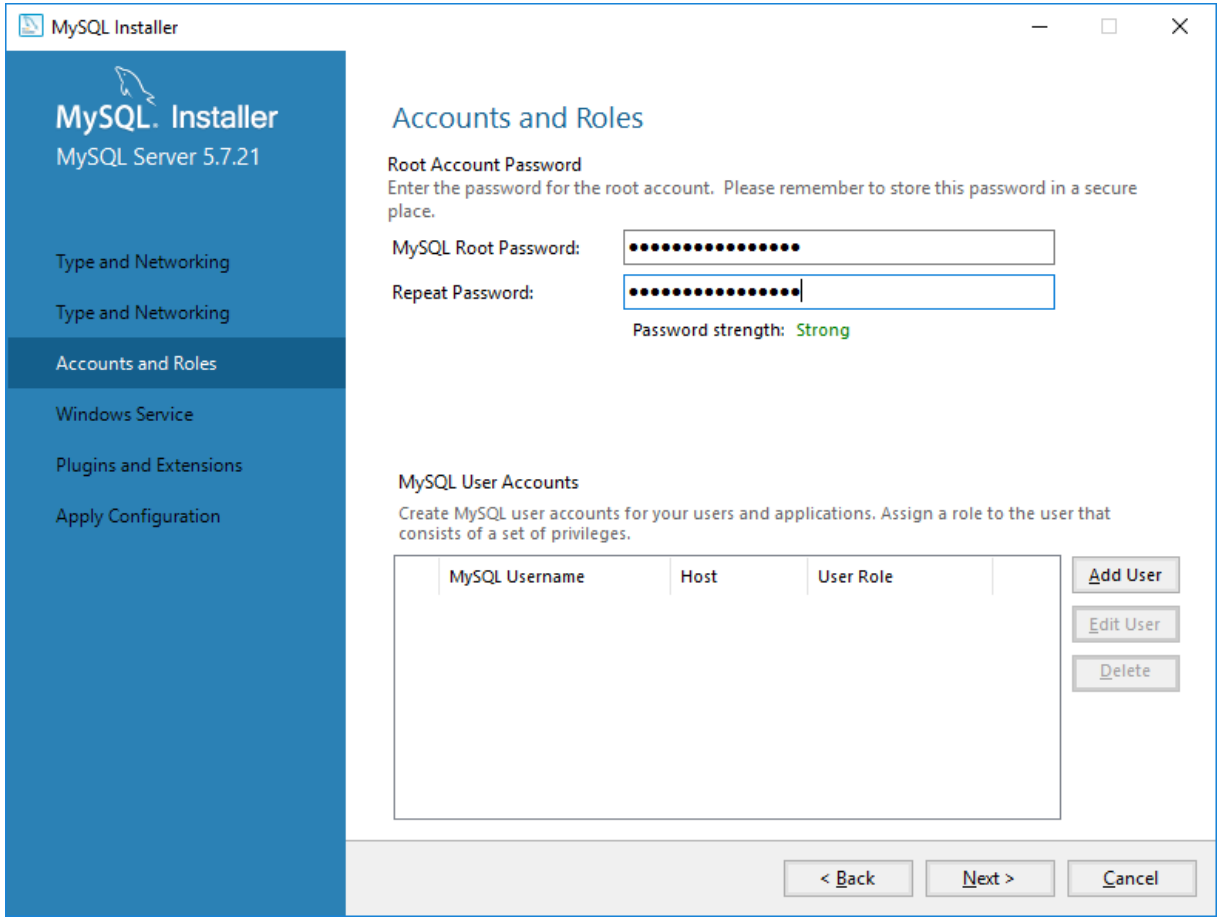


Next > Cancel


MySQL Installer
MySQL. Installer
MySQL Server 5.7.21
Type and Networking
Type and Networking
Accounts and Roles
Windows Service
Plugins and Extensions
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 Machine
Development Machine
This is a development machine, and many other applications will be installed on it. A minimal amount of memory will be used by MySQL.
Server Machine
Several server applications will be running on this machine. Choose this option for web/application servers. MySQL will have medium memory usage.
Dedicated Machine
This machine is dedicated to running the MySQL database server. No other servers, such as web servers, will be run. MySQL will make use of all available memory.
Connectivity
Use the follow
TCP/I
Name
Share
Advanced Con
Select the che
options for thi
Show Advanced Options
< Back
Next >
Cancel

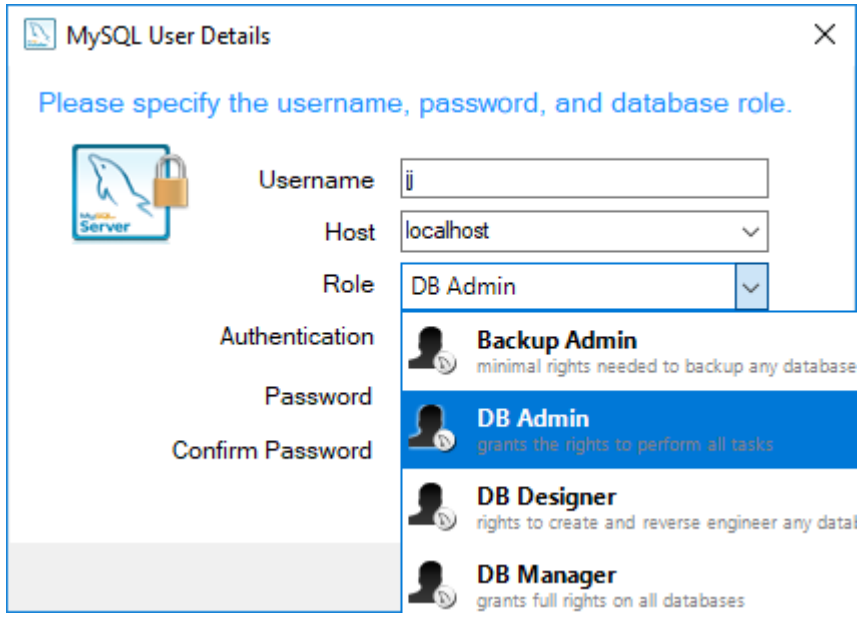

MySQL Installer
MySQL. Installer
MySQL Server 5.7.21
Type and Networking
Type and Networking
Accounts and Roles
Windows Service
Plugins and Extensions
Apply Configuration
Accounts and Roles
Root Account Password
Enter the password for the root account. Please remember to store this password in a secure place.
MySQL Root Password:
Repeat Password:
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

I used . you can choose your own password

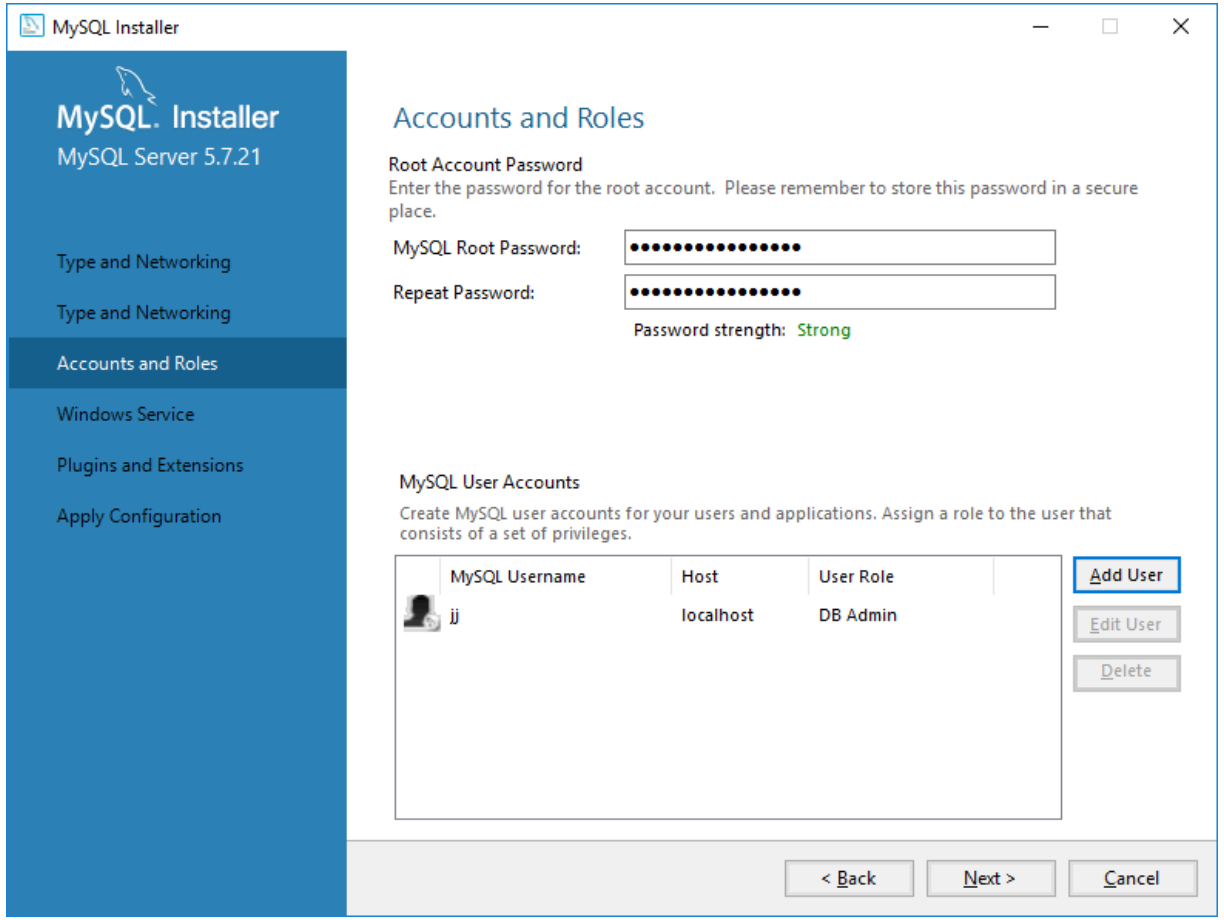


Optionally you can add other users

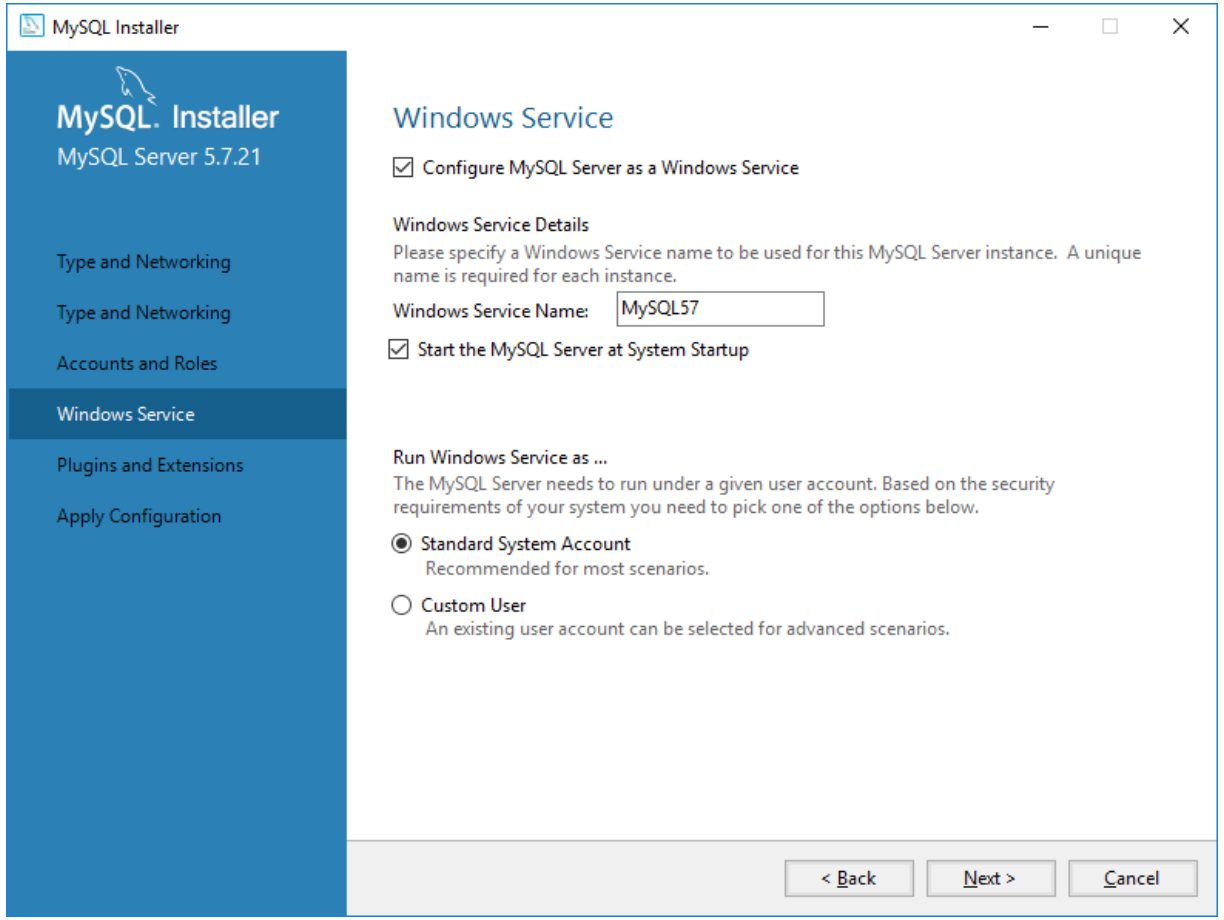
- Create user jj and set his password as



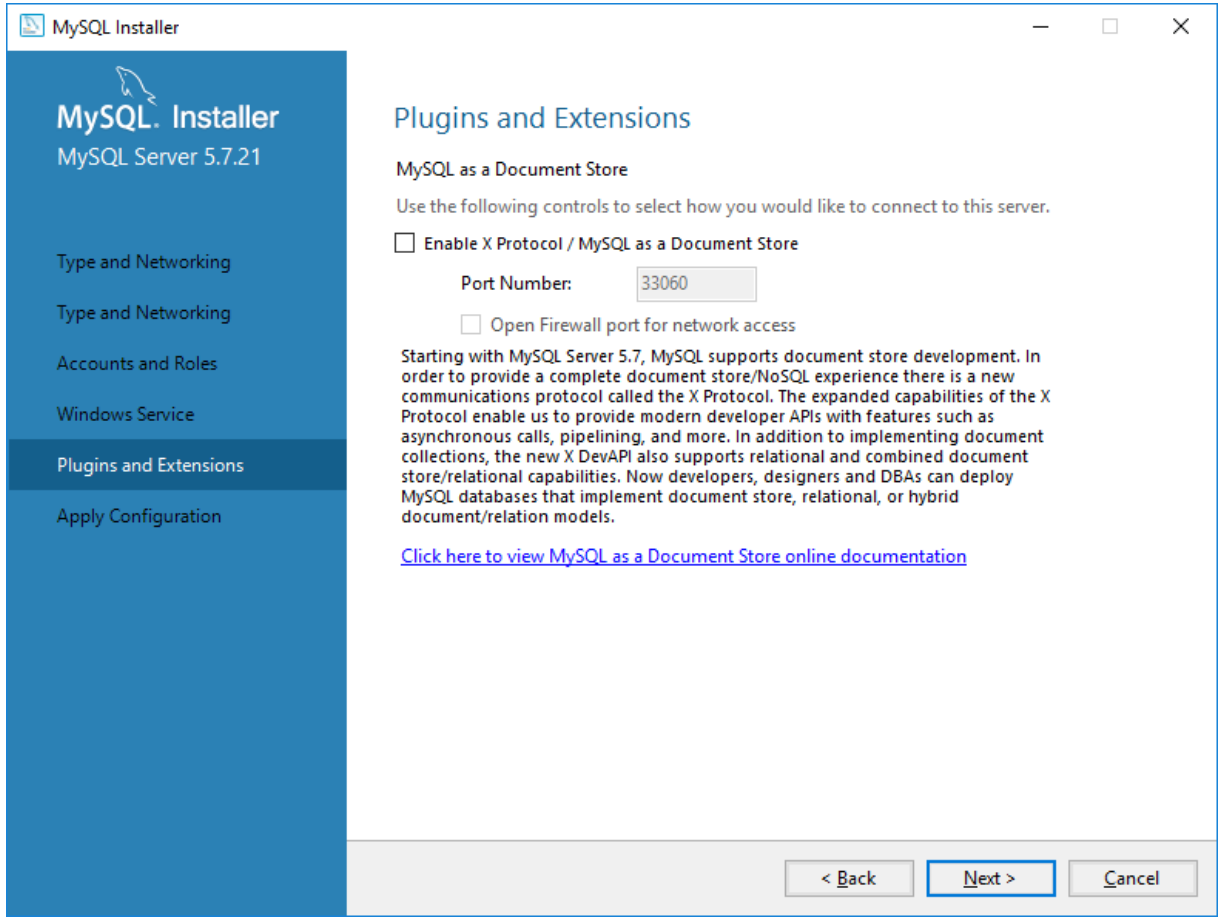
The root password

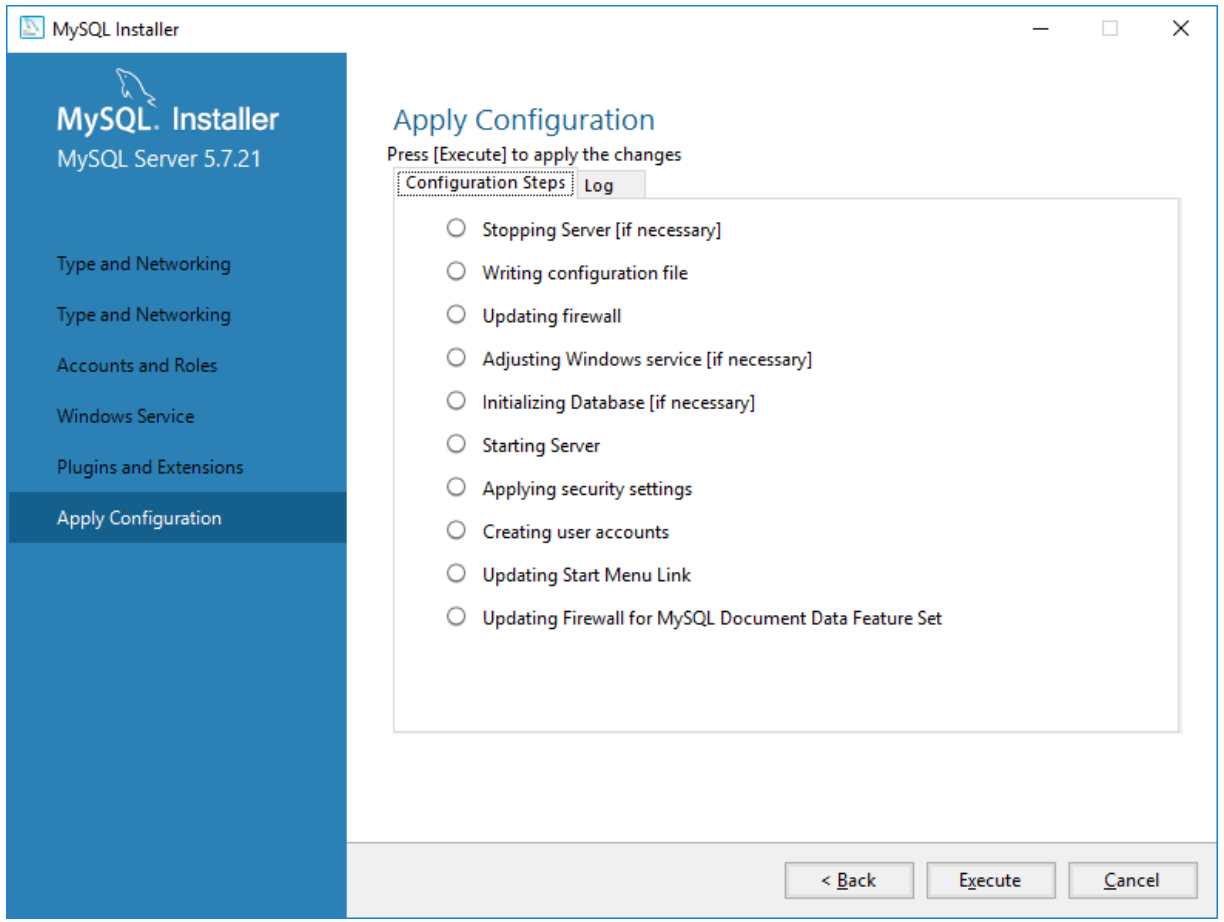


The benefit of configure MySql server as service is you can start it when system start

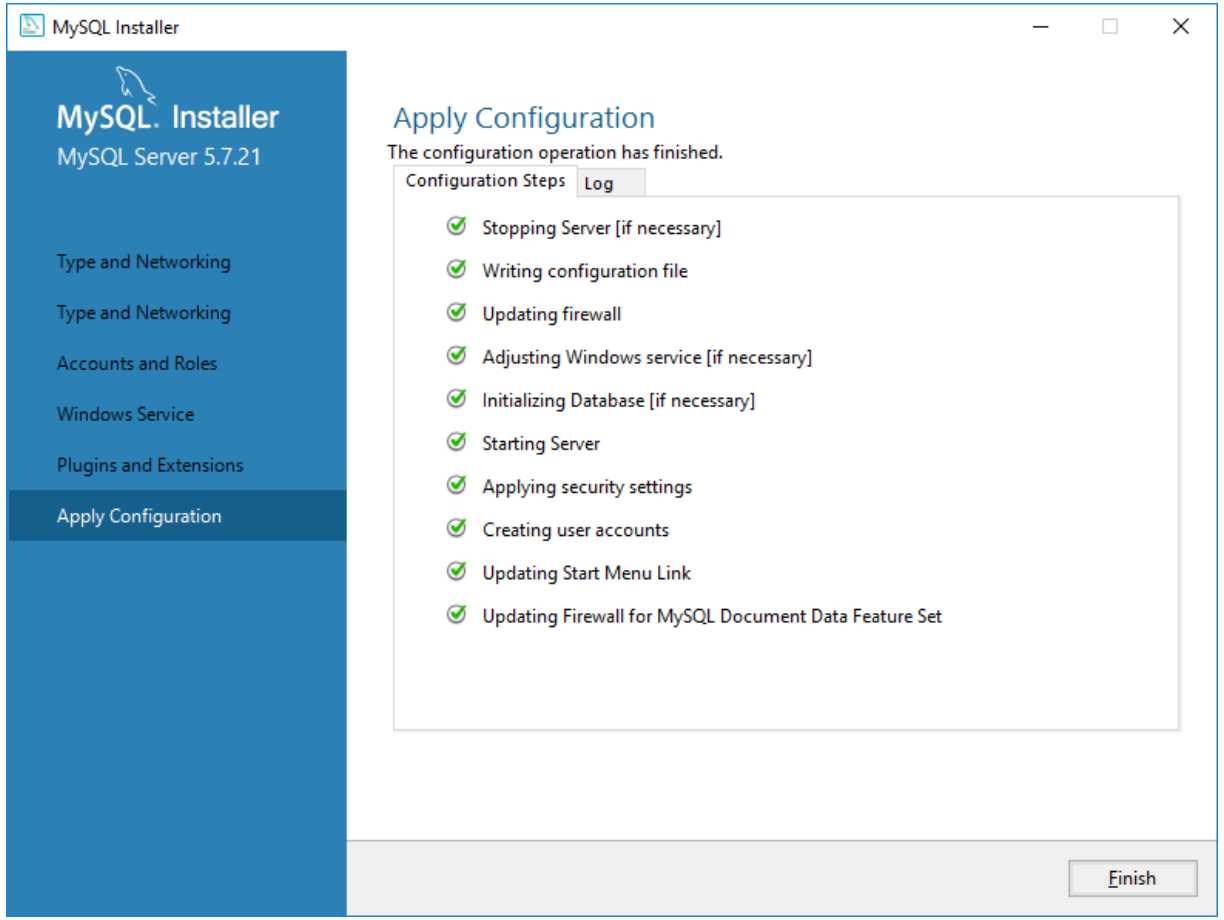


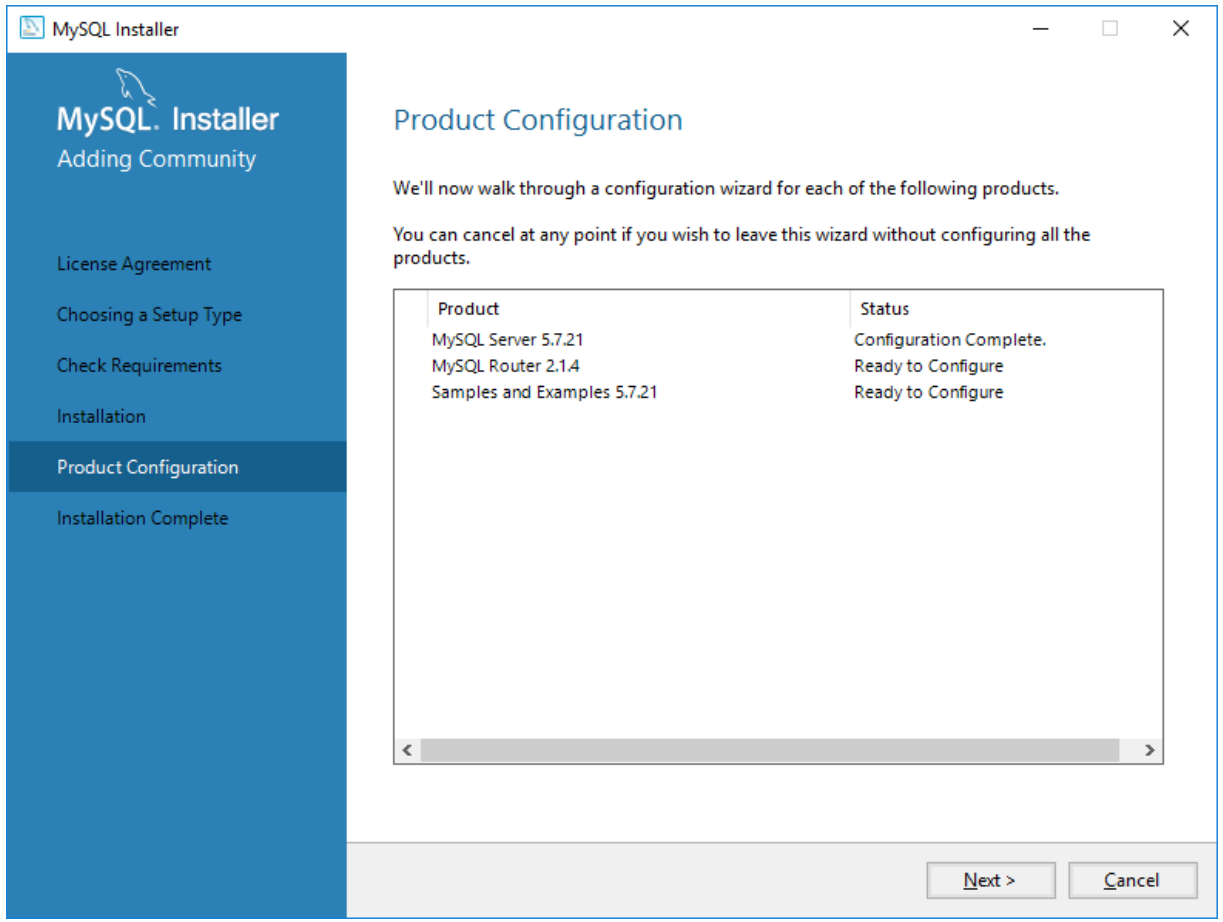
Next

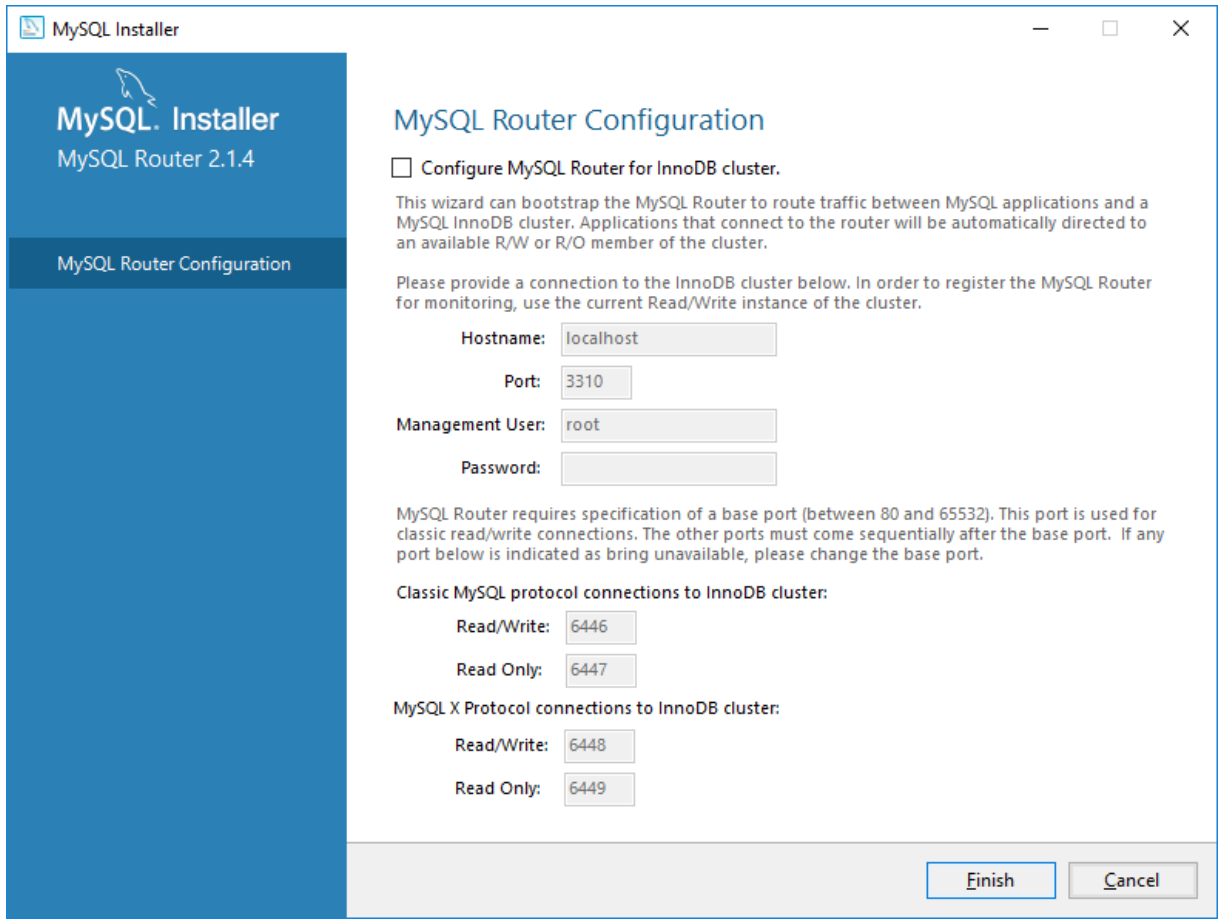

MySQL Installer
MySQL. Installer
MySQL Server 5.7.21
Type and Networking
Type and Networking
Accounts and Roles
Windows Service
Plugins and Extensions
Apply Configuration
Plugins and Extensions
MySQL as a Document Store
Use the following controls to select how you would like to connect to this server.
Enable X Protocol / MySQL as a Document Store
Port Number:
33060
Open Firewall port for network access
Starting with MySQL Server 5.7, MySQL supports document store development. In order to provide a complete document store/NoSQL experience there is a new communications protocol called the X Protocol. The expanded capabilities of the X Protocol enable us to provide modern developer APIs with features such as asynchronous calls, pipelining, and more. In addition to implementing document collections, the new X DevAPI also supports relational and combined document store/relational capabilities. Now developers, designers and DBAs can deploy MySQL databases that implement document store, relational, or hybrid document/relation models.
Click here to view MySQL as a Document Store online documentation
< Back
Next >
Cancel

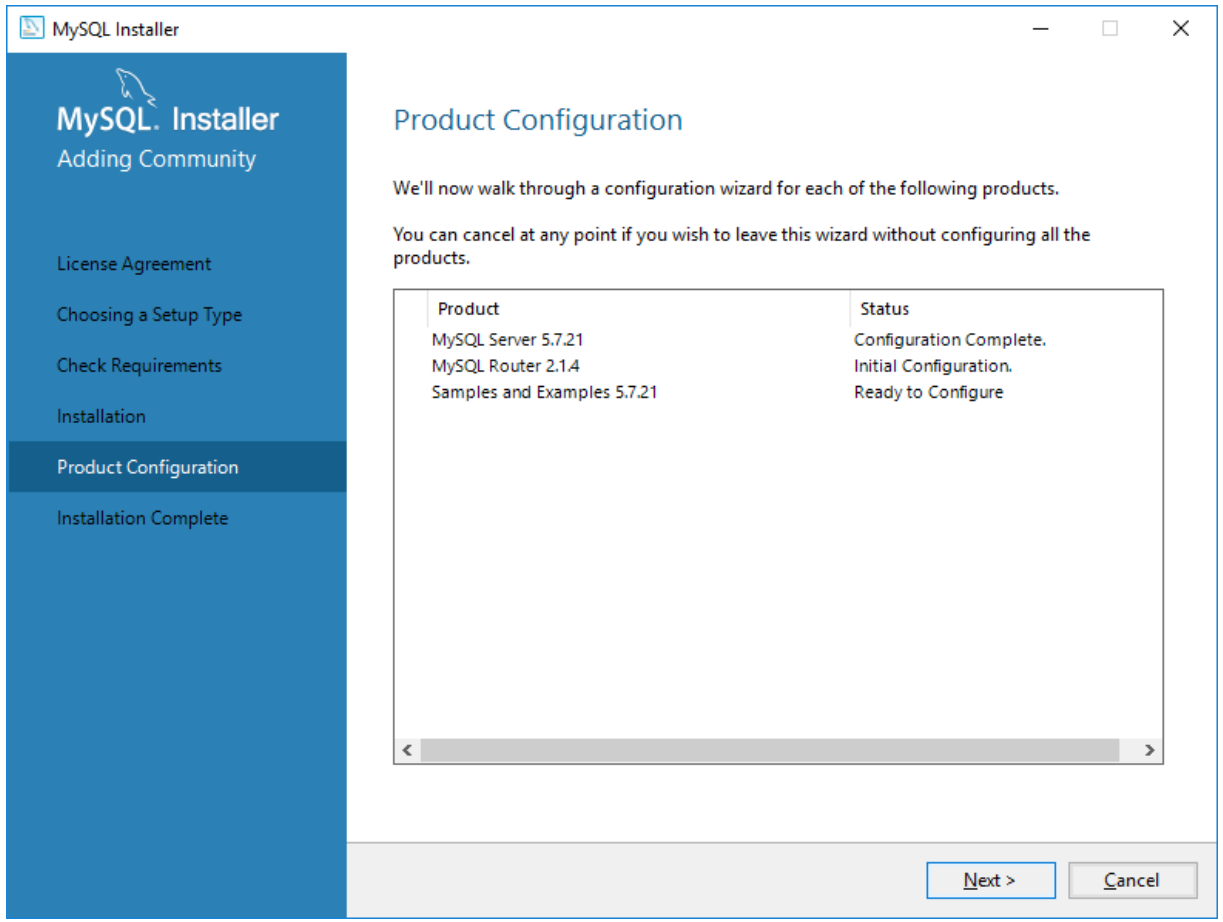

MySQL Installer
MySQL. Installer
MySQL Server 5.7.21
Type and Networking
Type and Networking
Accounts and Roles
Windows Service
Plugins and Extensions
Apply Configuration
Apply Configuration
Press [Execute] to apply the changes
Configuration Steps
Log
Stopping Server [if necessary]
Writing configuration file
Updating firewall
Adjusting Windows service [if necessary]
Initializing Database [if necessary]
Starting Server
Applying security settings
Creating user accounts
Updating Start Menu Link
Updating Firewall for MySQL Document Data Feature Set
< Back
Execute
Cancel

Finally done!




MySQL Installer
MySQL. Installer
Adding Community
License Agreement
Choosing a Setup Type
Check Requirements
Installation
Product Configuration
Installation Complete
Product Configuration
We'll now walk through a configuration wizard for each of the following products.
You can cancel at any point if you wish to leave this wizard without configuring all the products.
Product
Status
MySQL Server 5.7.21
Configuration Complete.
MySQL Router 2.1.4
Ready to Configure
Samples and Examples 5.7.21
Ready to Configure
Next >
Cancel


MySQL Installer
MySQL. Installer
MySQL Router 2.1.4
MySQL Router Configuration
MySQL Router Configuration
Configure MySQL Router for InnoDB cluster.
This wizard can bootstrap the MySQL Router to route traffic between MySQL applications and a MySQL InnoDB cluster. Applications that connect to the router will be automatically directed to an available R/W or R/O member of the cluster.
Please provide a connection to the InnoDB cluster below. In order to register the MySQL Router for monitoring, use the current Read/Write instance of the cluster.
Hostname: localhost
Port: 3310
Management User: root
Password:
MySQL Router requires specification of a base port (between 80 and 65532). This port is used for classic read/write connections. The other ports must come sequentially after the base port. If any port below is indicated as bring unavailable, please change the base port.
Classic MySQL protocol connections to InnoDB cluster:
Read/Write: 6446
Read Only: 6447
MySQL X Protocol connections to InnoDB cluster:
Read/Write: 6448
Read Only: 6449
Finish
Cancel


MySQL Installer
MySQL. Installer
Adding Community
License Agreement
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Installation
Product Configuration
Installation Complete
Product Configuration
We'll now walk through a configuration wizard for each of the following products.
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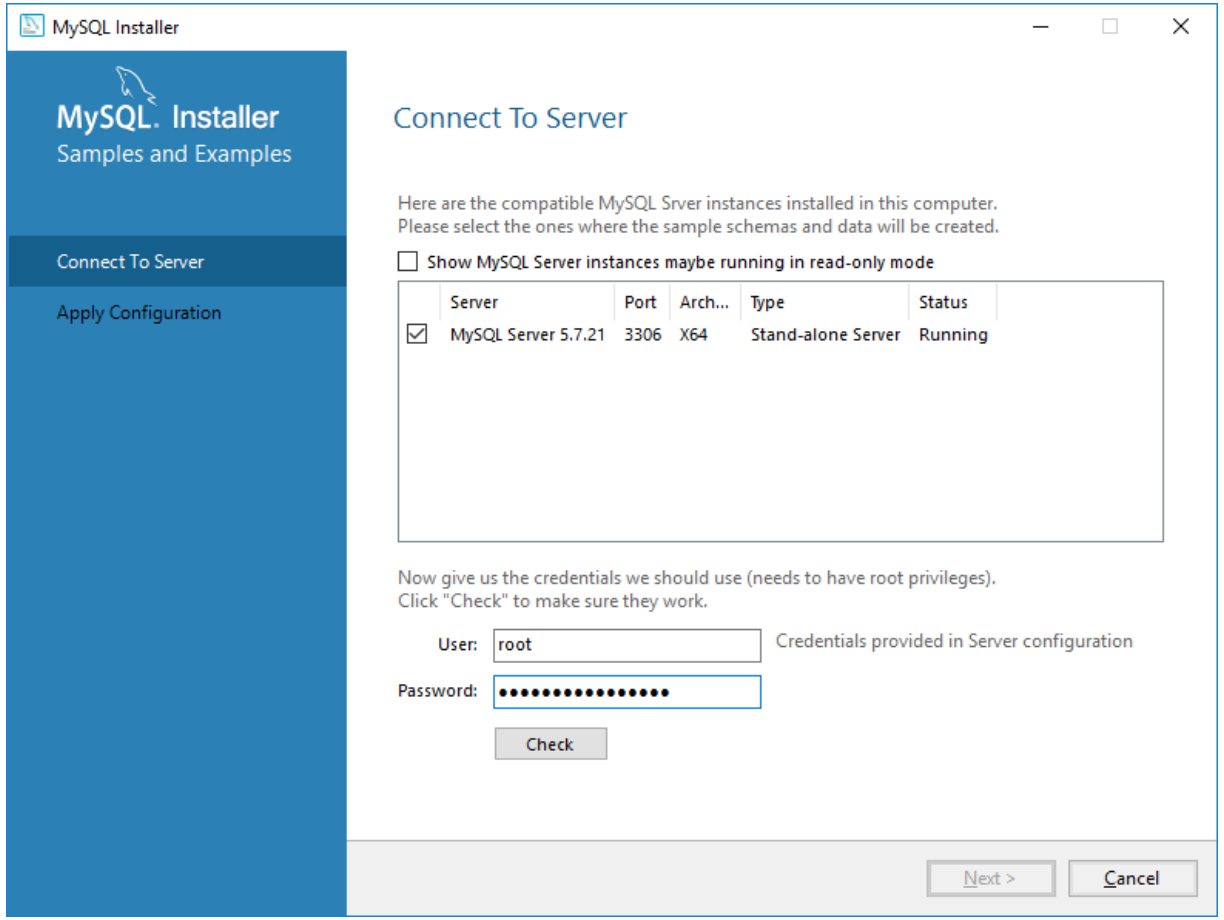
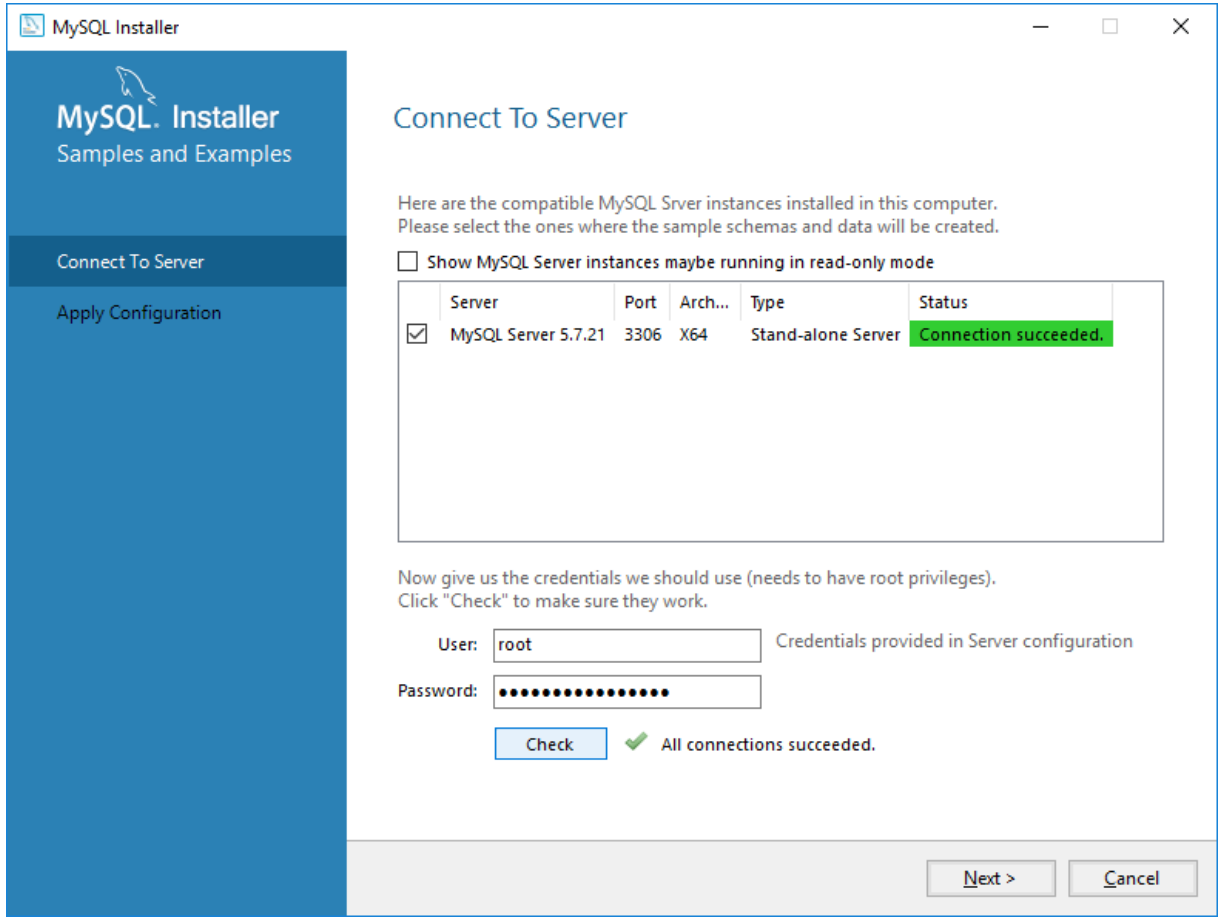
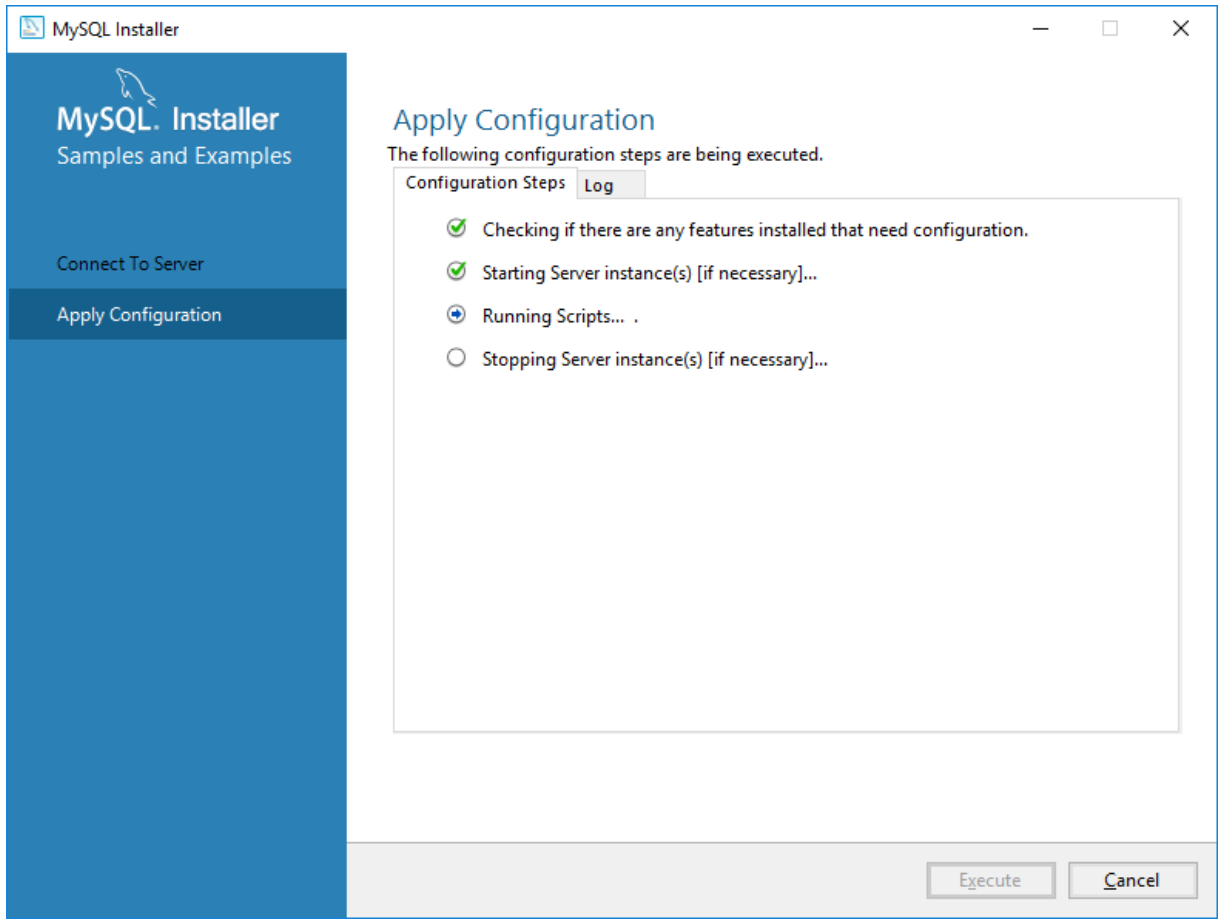
Product
Status
MySQL Server 5.7.21
Configuration Complete.
MySQL Router 2.1.4
Initial Configuration.
Samples and Examples 5.7.21
Ready to Configure
Next >
Cancel

Connect to server, enter your password

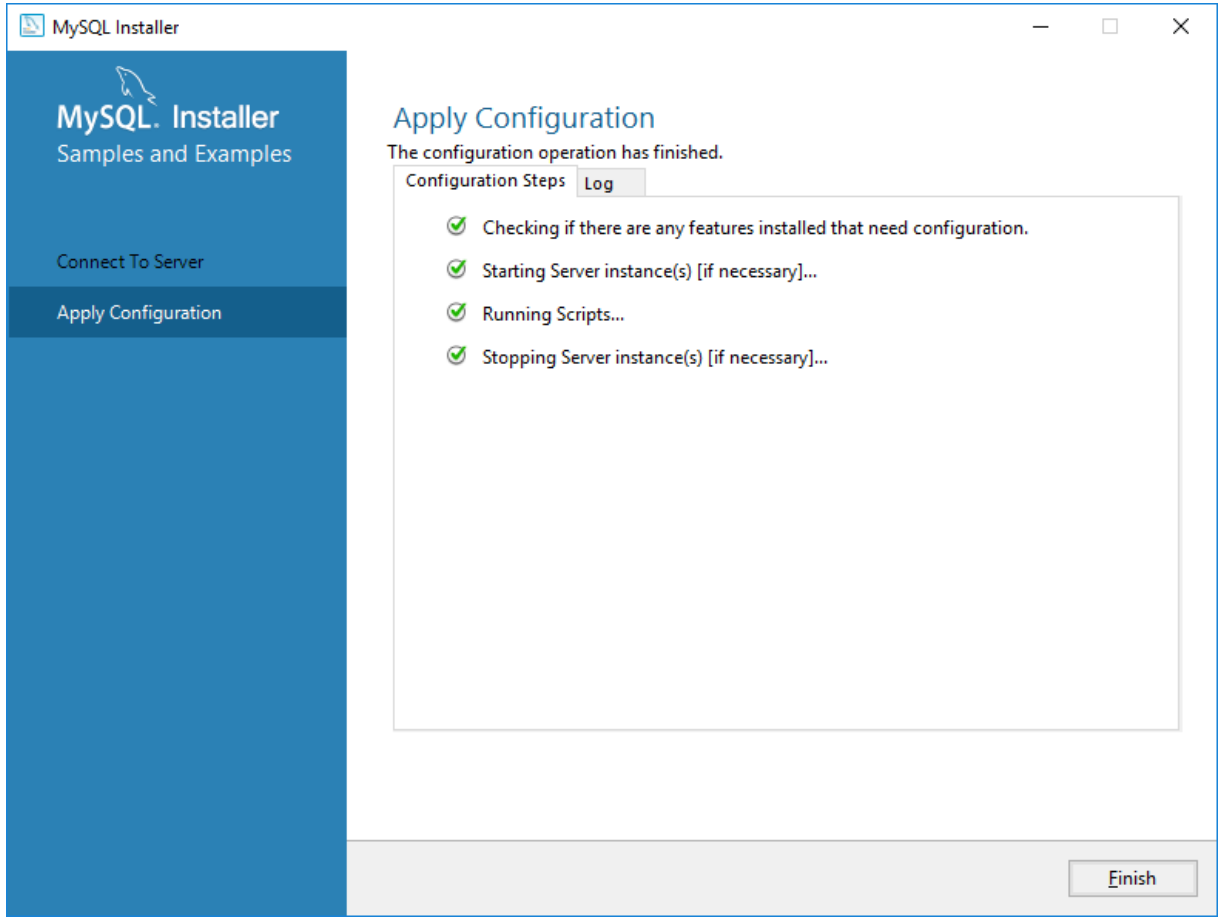


Connection successful

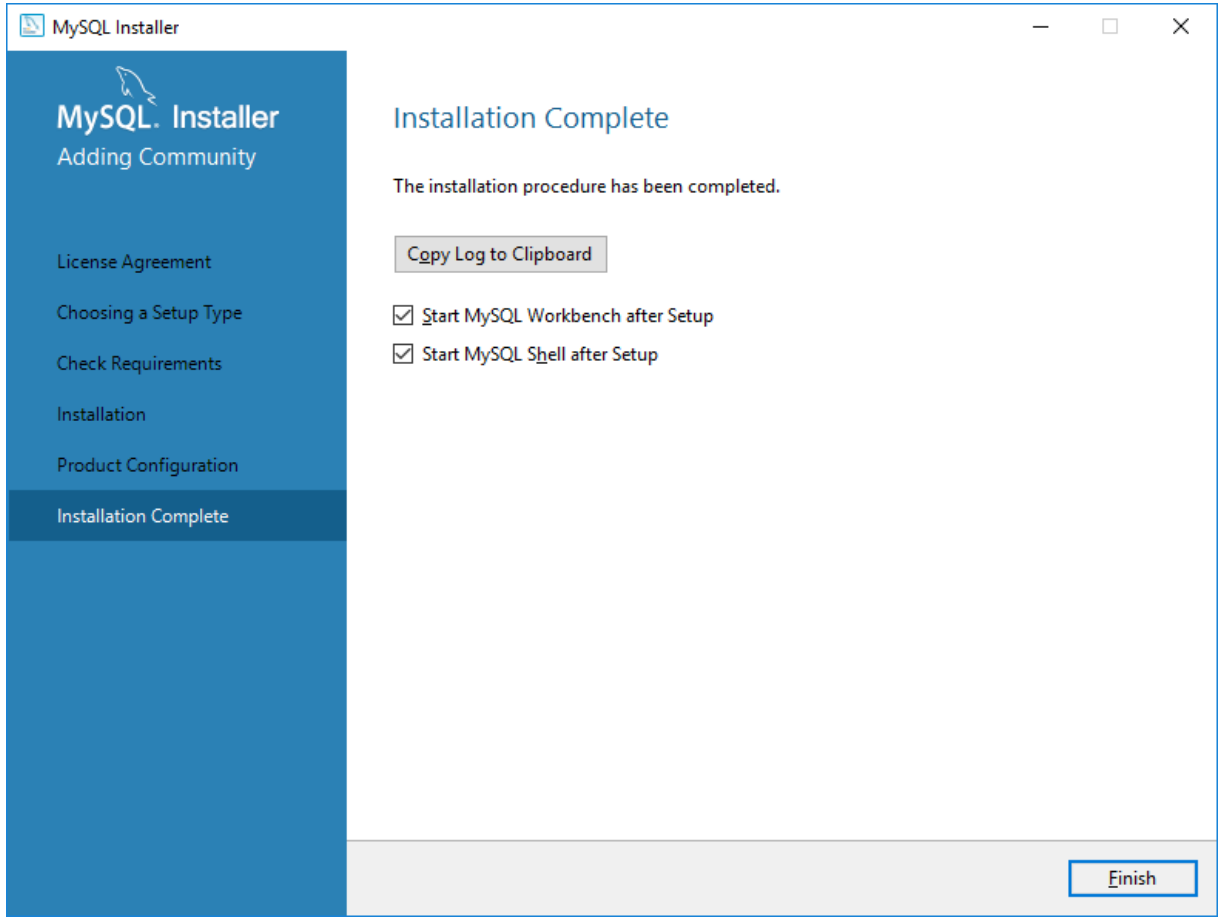


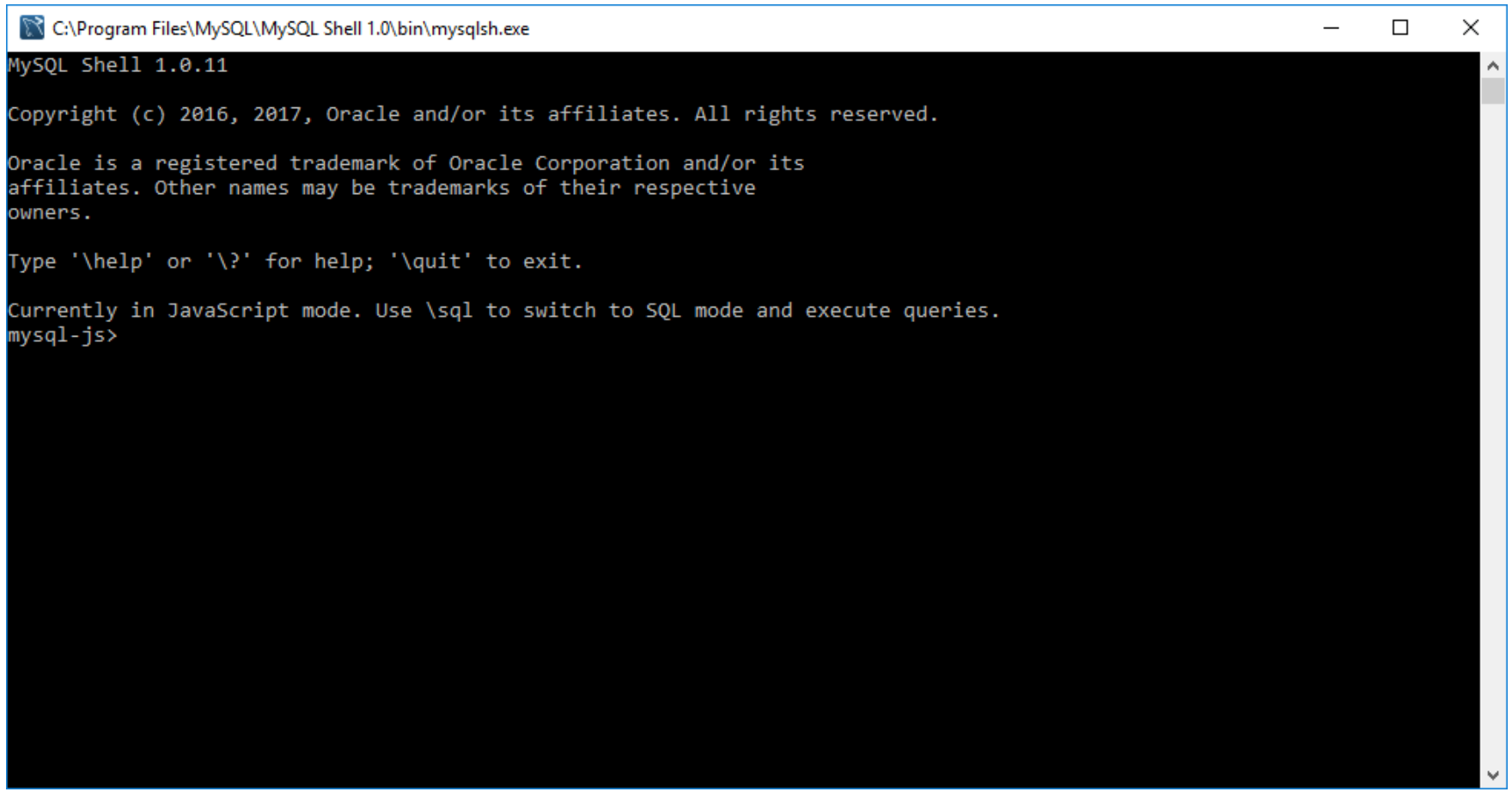

MySQL Installer
MySQL. Installer
Samples and Examples
Connect To Server
Apply Configuration
Apply Configuration
The following configuration steps are being executed.
Configuration Steps
Log
Checking if there are any features installed that need configuration.
Starting Server instance(s) [if necessary]...
Running Scripts... .
Stopping Server instance(s) [if necessary]...
Execute
Cancel

Done

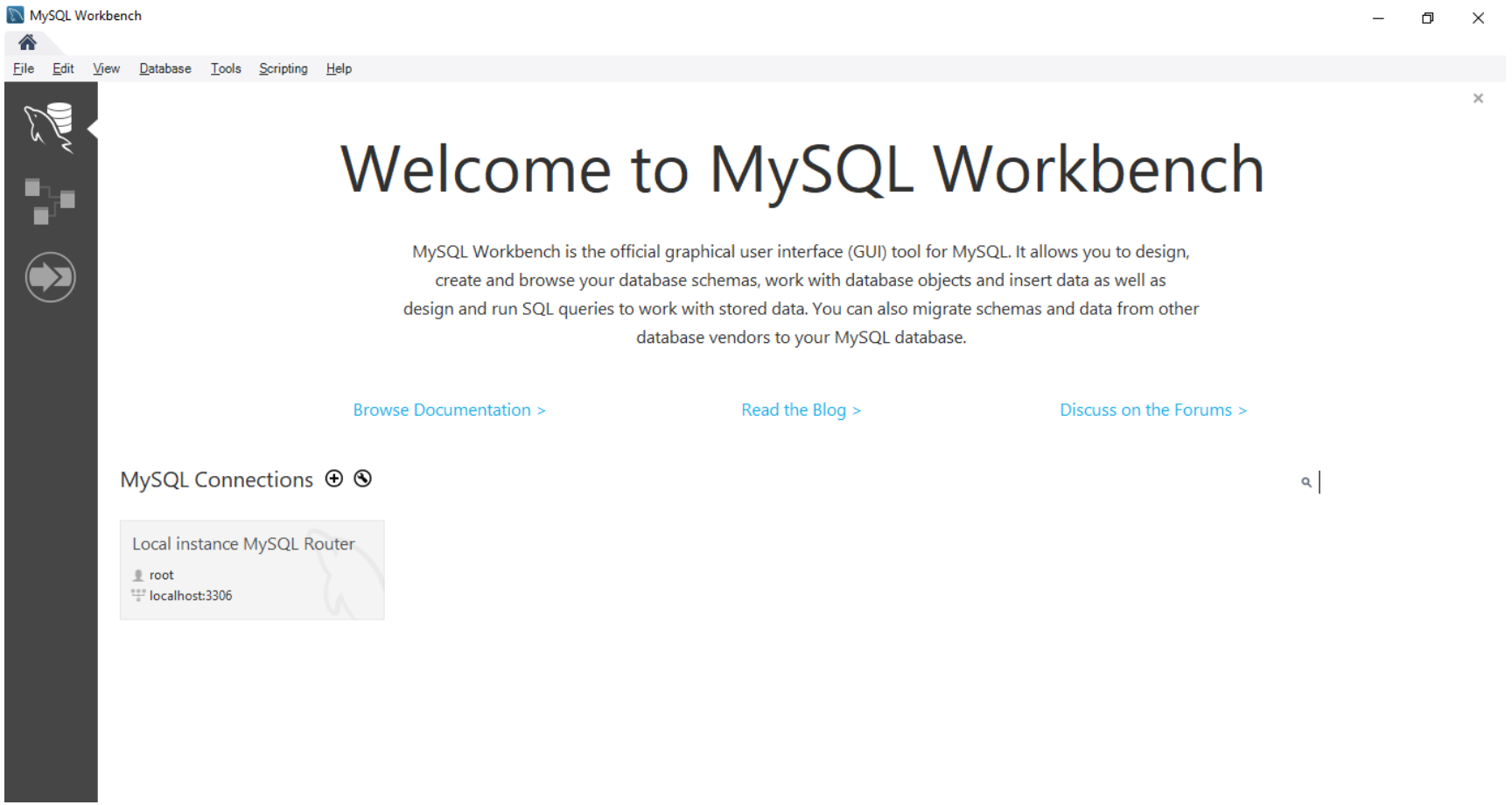

MySQL Installer
MySQL. Installer
Samples and Examples
Connect To Server
Apply Configuration
Apply Configuration
The configuration operation has finished.
Configuration Steps
Log
Checking if there are any features installed that need configuration.
Starting Server instance(s) [if necessary]...
Running Scripts...
Stopping Server instance(s) [if necessary]...
Finish

Finish


MySQL Installer
MySQL. Installer
Adding Community
License Agreement
Choosing a Setup Type
Check Requirements
Installation
Product Configuration
Installation Complete
Installation Complete
The installation procedure has been completed.
Copy Log to Clipboard
Start MySQL Workbench after Setup
Start MySQL Shell after Setup
Finish


C:\Program Files\MySQL\MySQL Shell 1.0\bin\mysqlsh.exe
MySQL Shell 1.0.11
Copyright (c) 2016, 2017, Oracle and/or its affiliates. All rights reserved.
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.
Type '\help' or '\?' for help; '\quit' to exit.
Currently in JavaScript mode. Use \sql to switch to SQL mode and execute queries.
mysql-js>

Workbench GUI

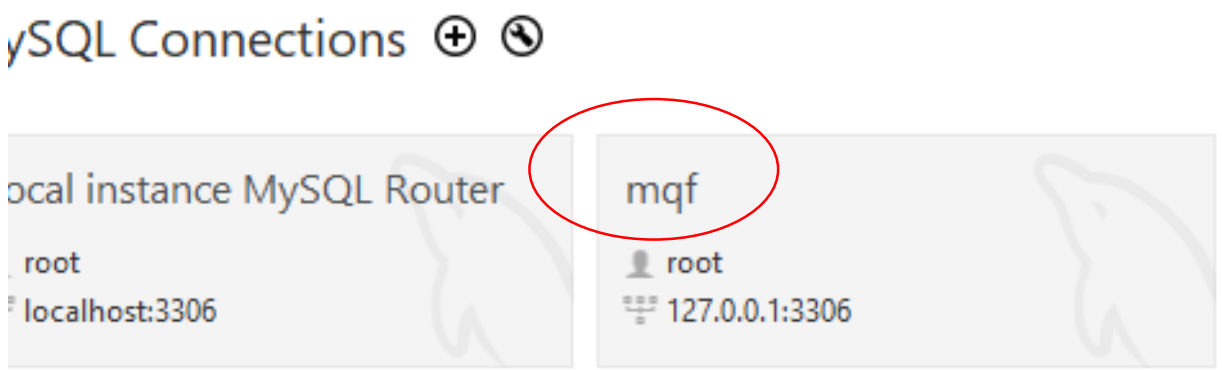


YouTube WorkBench tutorial

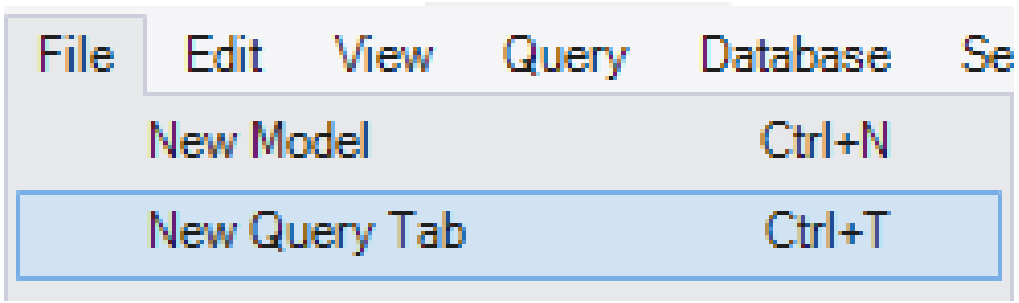
- How to download, install, create new instance, intro of GUI, create query
- https://www.youtube.com/watch?v=uKwR9fWsZJ4

- A short one
- Https://www.youtube.com/watch?v=X_umYKqKaF0

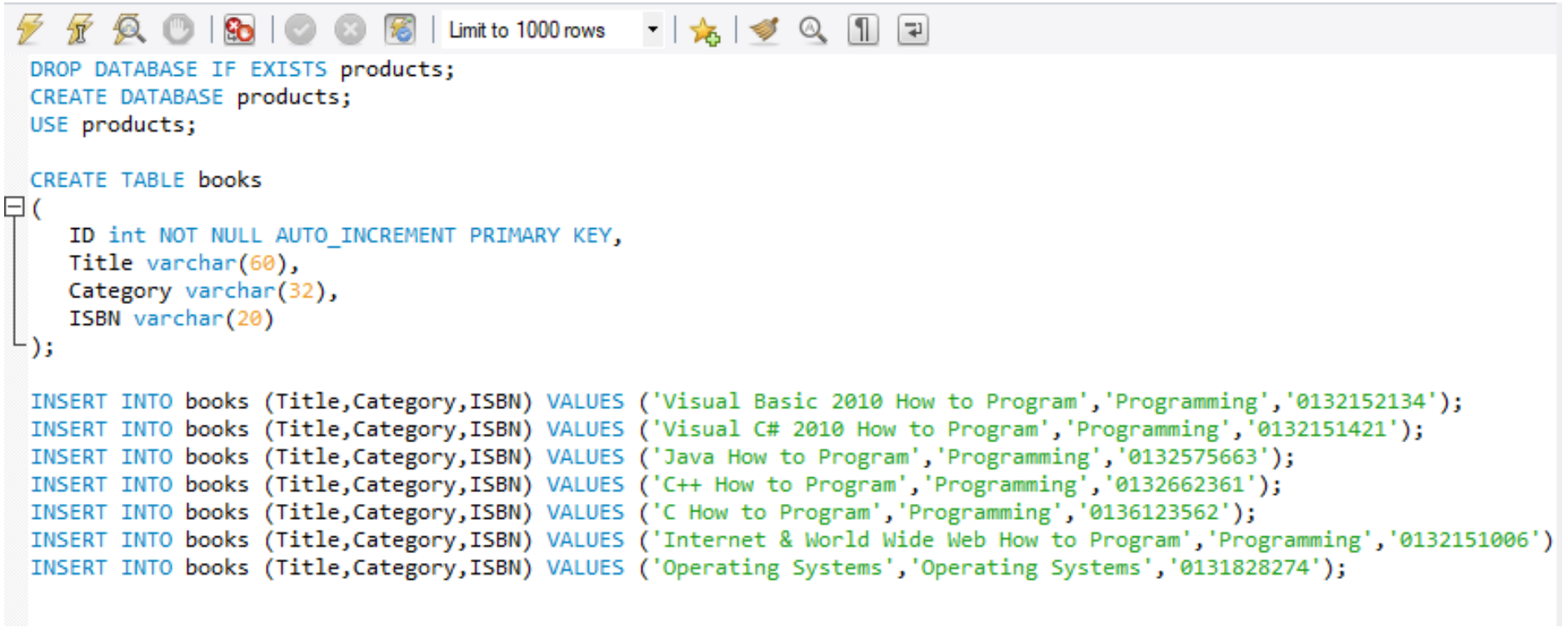
As the first YouTube link, we create a connection mqf. Click on it



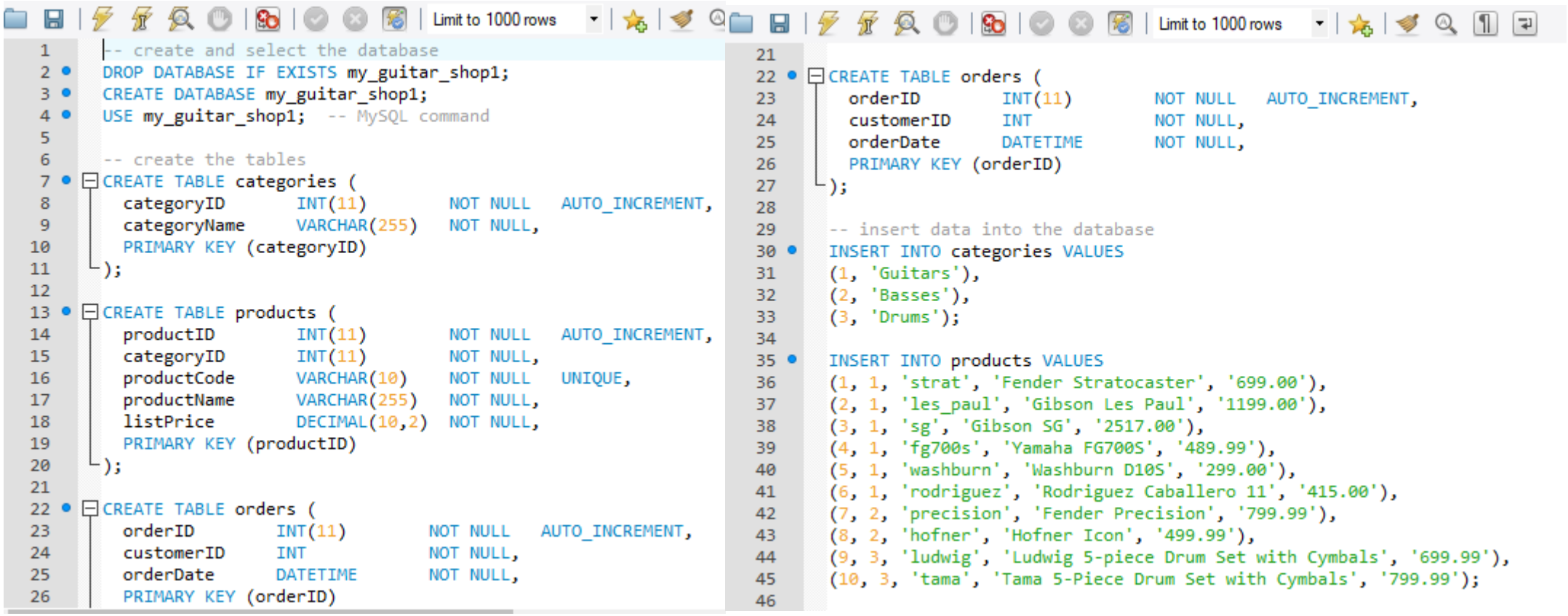
Open a new query tab



Copy products.sql and run it by click lightning bolt 



Create another database my_guitar_shop_1



```
-- create and select the database
DROP DATABASE IF EXISTS my_guitar_shop1;
CREATE DATABASE my_guitar_shop1;
USE my_guitar_shop1;  -- MySQL command

-- create the tables
CREATE TABLE categories (
  categoryID       INT(11)        NOT NULL   AUTO_INCREMENT,
  categoryName     VARCHAR(255)   NOT NULL,
  PRIMARY KEY (categoryID)
);

CREATE TABLE products (
  productID        INT(11)        NOT NULL   AUTO_INCREMENT,
  categoryID       INT(11)        NOT NULL,
  productCode      VARCHAR(10)    NOT NULL   UNIQUE,
  productName      VARCHAR(255)   NOT NULL,
  listPrice        DECIMAL(10,2)  NOT NULL,
  PRIMARY KEY (productID)
);

CREATE TABLE orders (
  orderID        INT(11)        NOT NULL   AUTO_INCREMENT,
  customerID     INT            NOT NULL,
  orderDate      DATETIME       NOT NULL,
  PRIMARY KEY (orderID)
);
```

```
CREATE TABLE orders (
  orderID        INT(11)        NOT NULL   AUTO_INCREMENT,
  customerID     INT            NOT NULL,
  orderDate      DATETIME       NOT NULL,
  PRIMARY KEY (orderID)
);

-- insert data into the database
INSERT INTO categories VALUES
(1, 'Guitars'),
(2, 'Basses'),
(3, 'Drums');

INSERT INTO products VALUES
(1, 1, 'strat', 'Fender Stratocaster', '699.00'),
(2, 1, 'les_paul', 'Gibson Les Paul', '1199.00'),
(3, 1, 'sg', 'Gibson SG', '2517.00'),
(4, 1, 'fg700s', 'Yamaha FG700S', '489.99'),
(5, 1, 'washburn', 'Washburn D10S', '299.00'),
(6, 1, 'rodriguez', 'Rodriguez Caballero 11', '415.00'),
(7, 2, 'precision', 'Fender Precision', '799.99'),
(8, 2, 'hofner', 'Hofner Icon', '499.99'),
(9, 3, 'ludwig', 'Ludwig 5-piece Drum Set with Cymbals', '699.99'),
(10, 3, 'tama', 'Tama 5-Piece Drum Set with Cymbals', '799.99');
```

Grant privileges to use iw3htp with password called password to access database products