SECD2523 DATABASE

SQL INSTALLATION
Week 3

Step 1
Download MySQL Installer

Go to mysql.com

Click Downloads & Scroll down

Click this link or you may directly access this link :
https://dev.mysql.com/downloads/
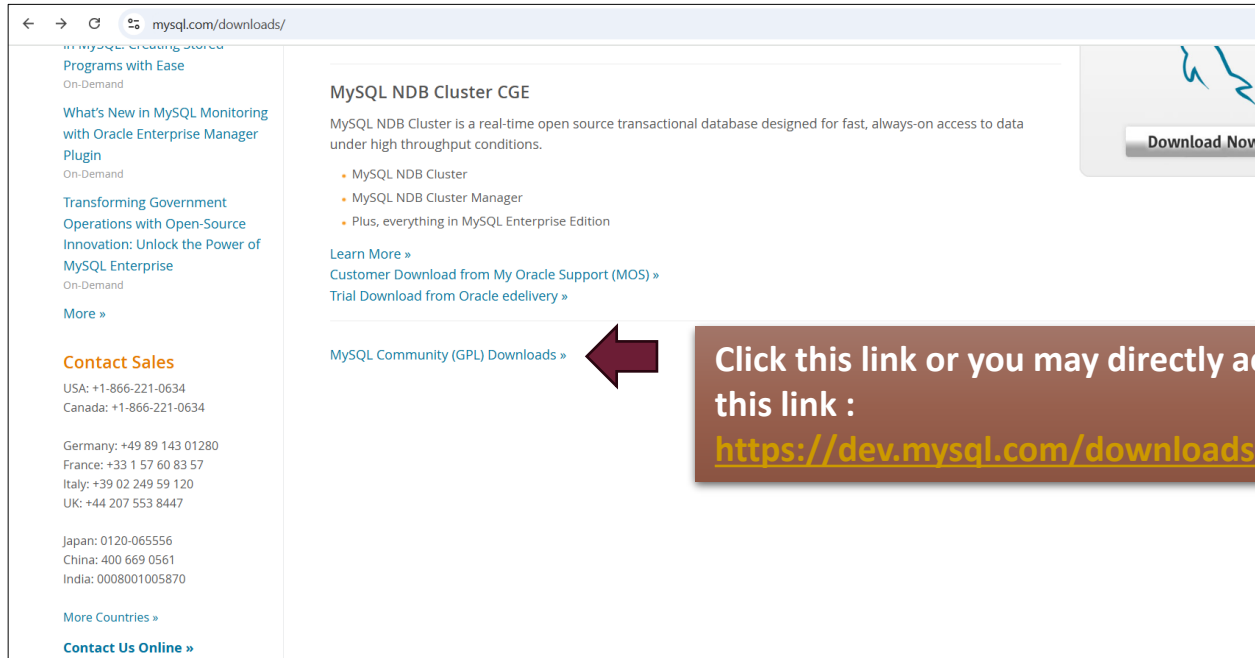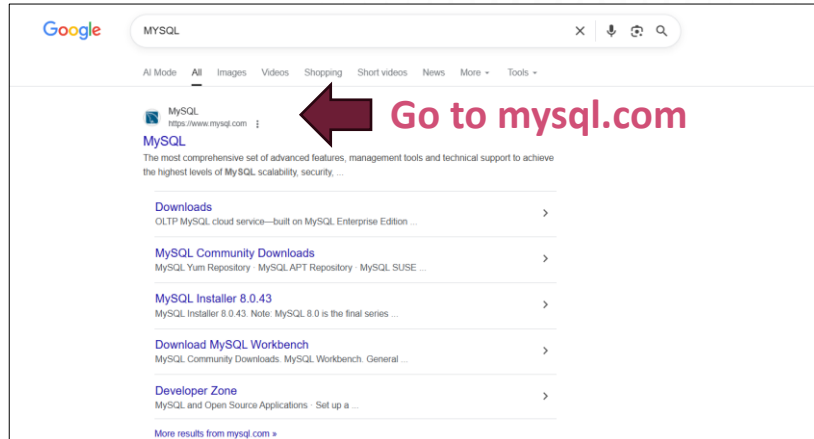
Step 1
Download MySQL Installer

⊕ MySQL Community Downloads

- MySQL Yum Repository
- MySQL APT Repository
- MySQL SUSE Repository

- MySQL Community Server
- MySQL NDB Cluster
- MySQL Router
- MySQL Shell
- MySQL Operator
- MySQL NDB Operator
- MySQL Workbench

- MySQL Installer for Windows

- C API (libmysqlclient)
- Connector/C++
- Connector/J

- Connector/Python
- MySQL Native Driver for PHP

- MySQL Benchmark Tool
- Time zone description tables
- Download Archives

MySQL Enterprise Edition for Developers

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For Mac users, click on this MySQL Community Server

For Windows users, click on this MySQL Installer for Windows

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3
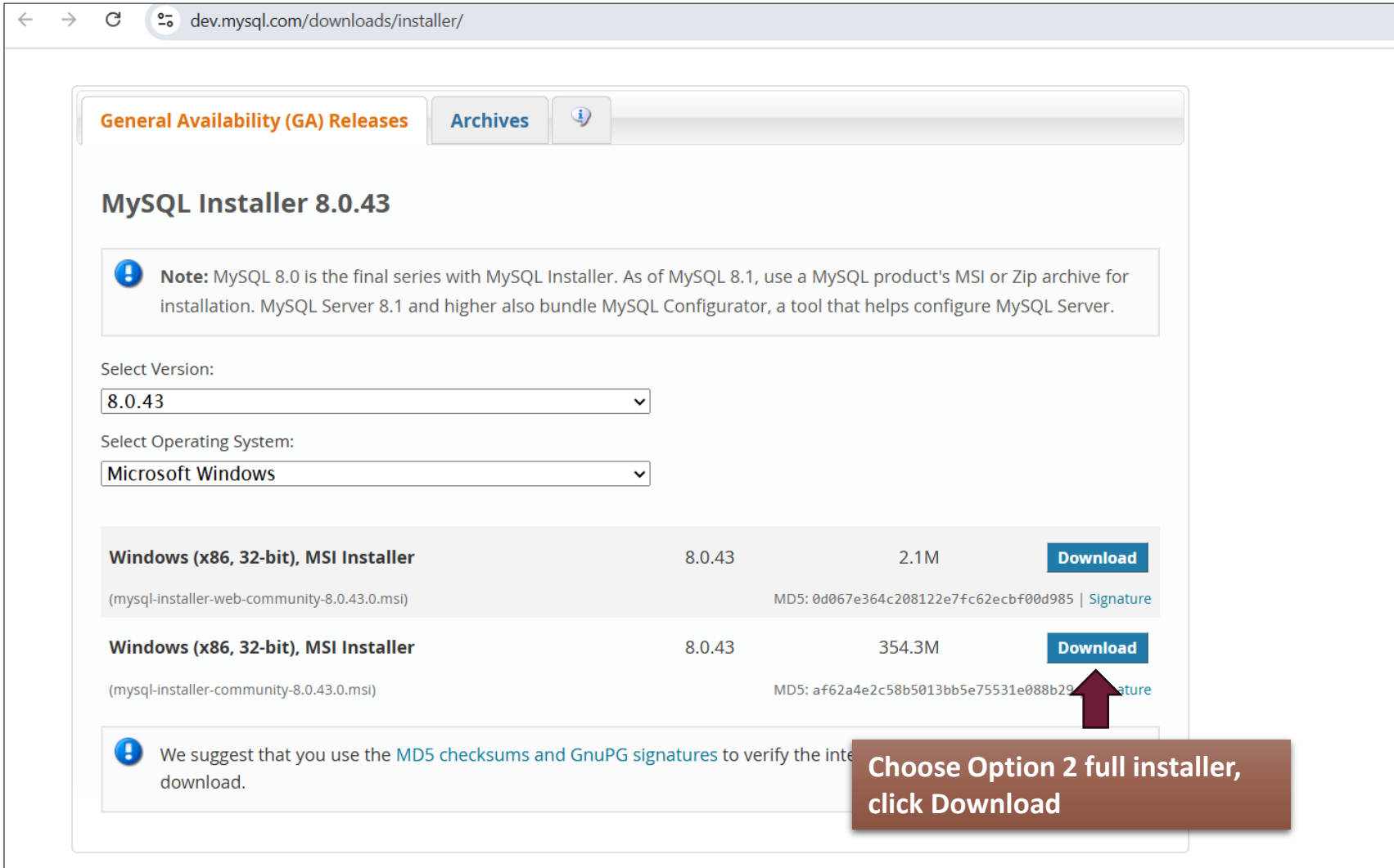
Installing MySQL on Windows

Step 1
Download MySQL Installer (Windows)

Choose Option 2 full installer, click Download

Step 1
Download MySQL Installer (Windows)

dev.mysql.com/downloads/file/?id=544662

⊕ 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.
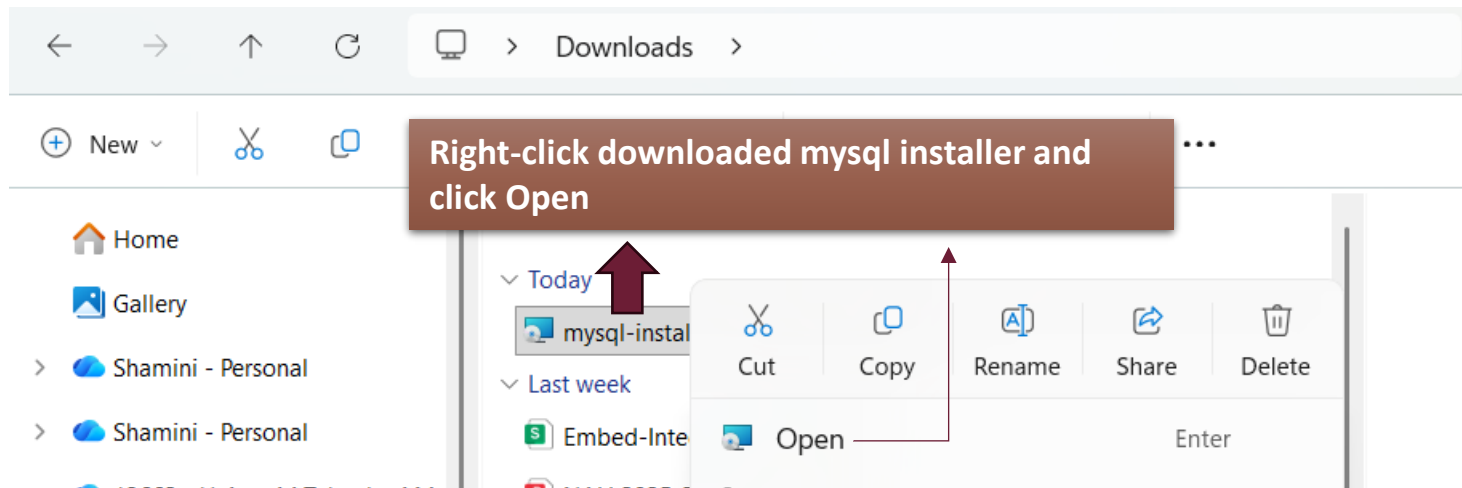
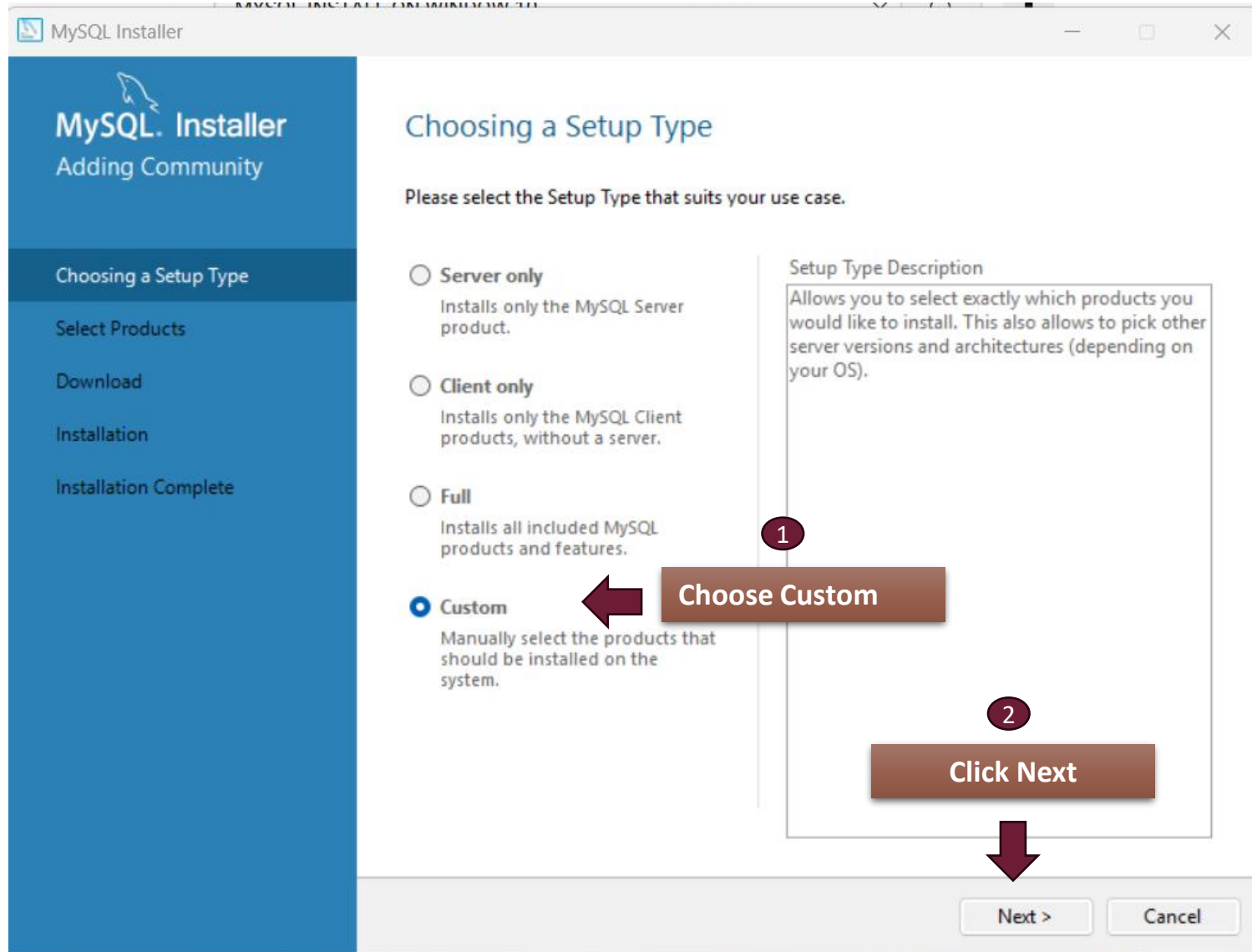No thanks, just start my download. ⬅ **Click Download**

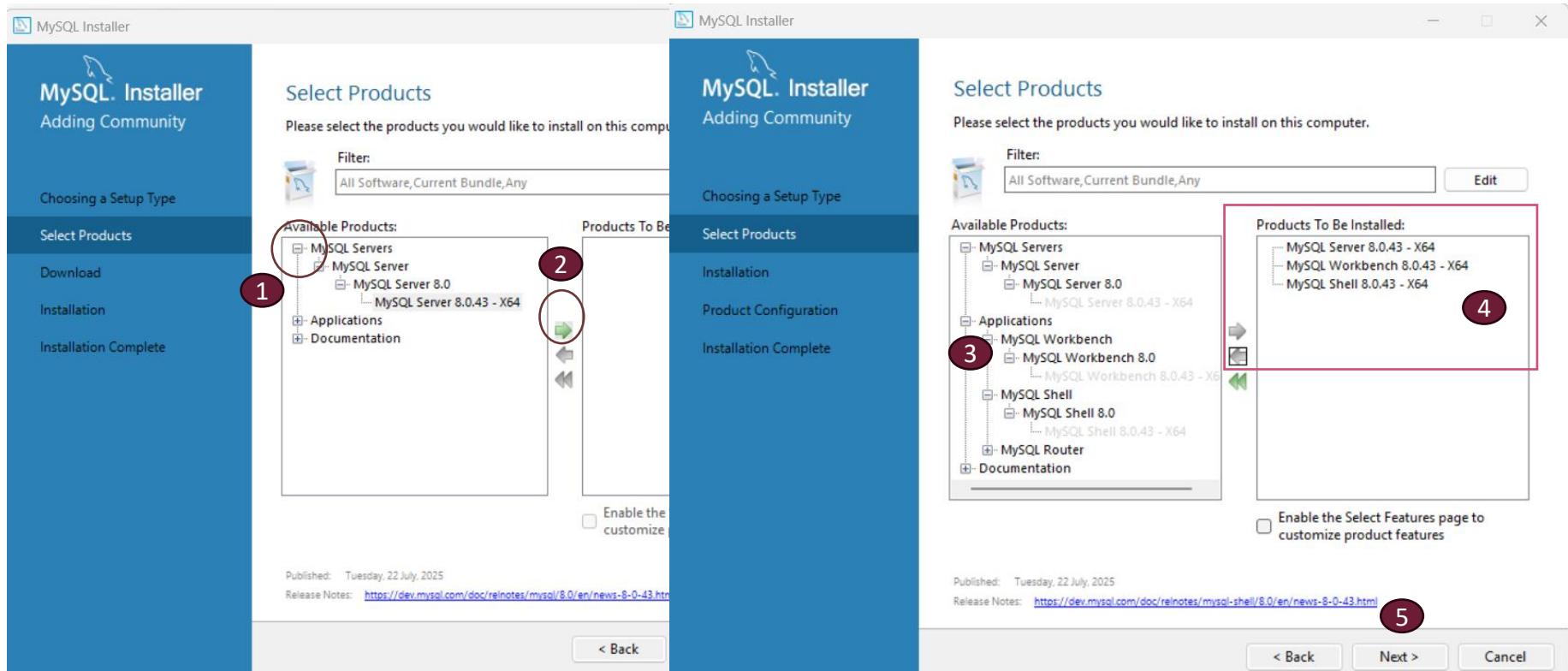www.utm.my

Step 1
Download MySQL Installer (Windows)

Step 2
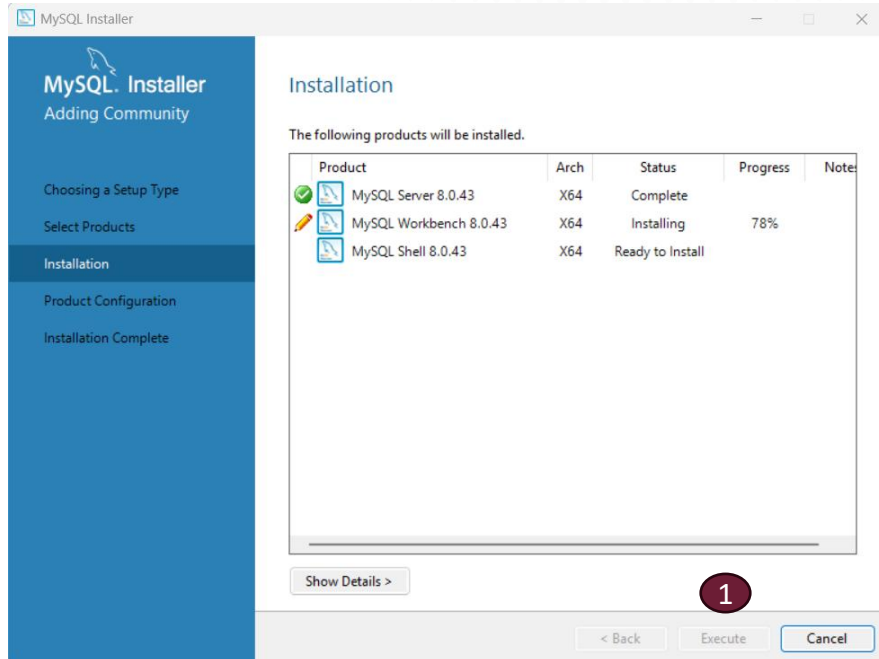# Run the Installer (Windows)

Step 2
Run the Installer (Windows)

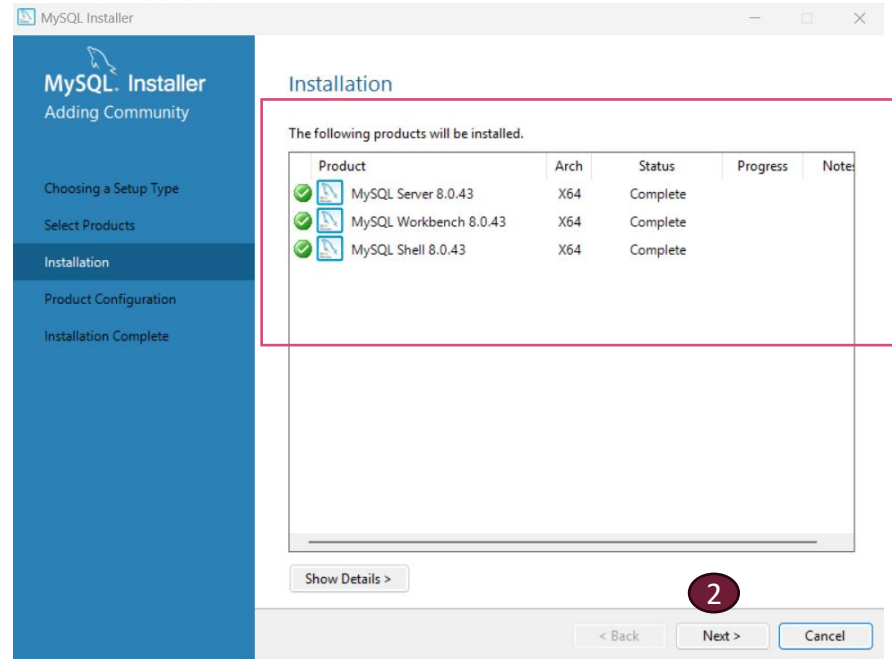**Choose the available products to be installed and click the Green Arrow**

Make sure to add:
MySQL Server
MySQL Workbench
MySQL Shell
Then Click Next

Step 2
Run the Installer (Windows)
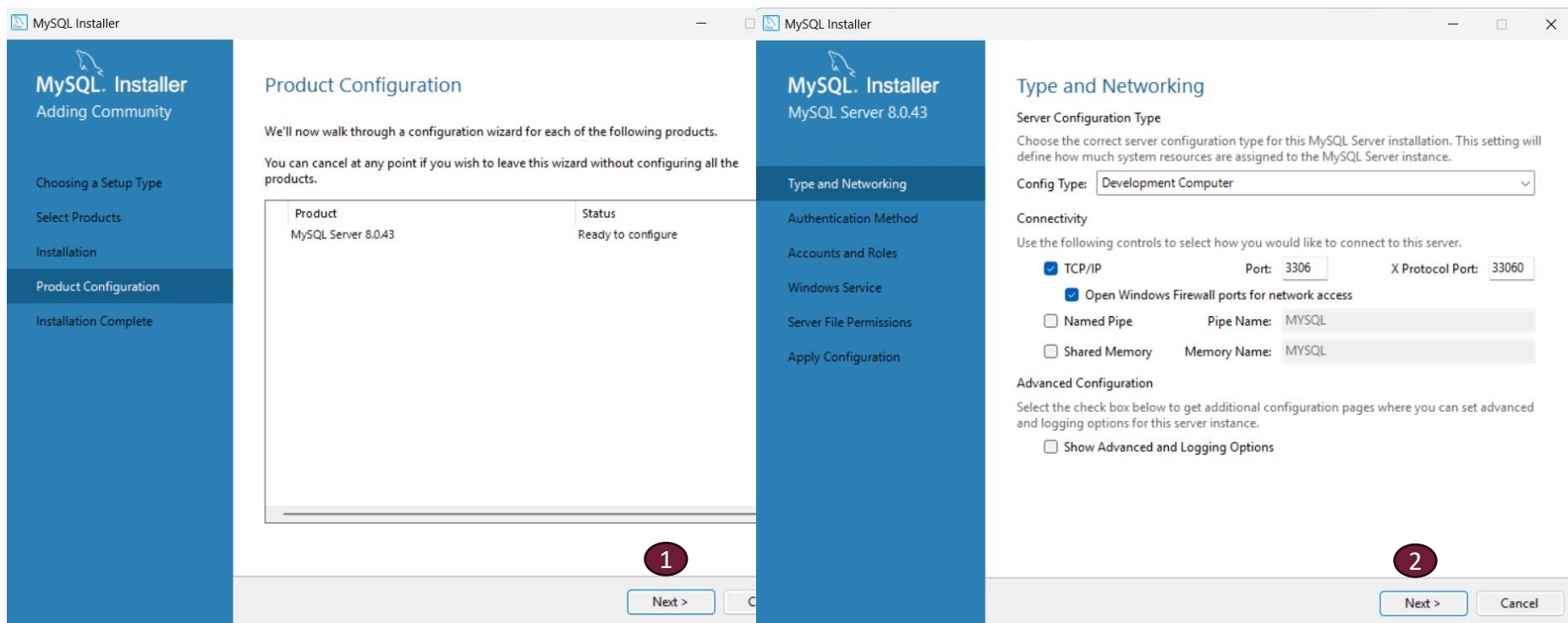
Make sure click Execute

The installed products shall show the status COMPLETE and Proceed Next

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Maintain the Server Configuration as it is

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Step 3
Configure MySQL Server (Windows)

Click Next

Make sure you know your MySQL root password.
Example : admin123

IMPORTANT

Make sure Windows Service as it is

Select the first option

Step 3
Configure MySQL Server (Windows)
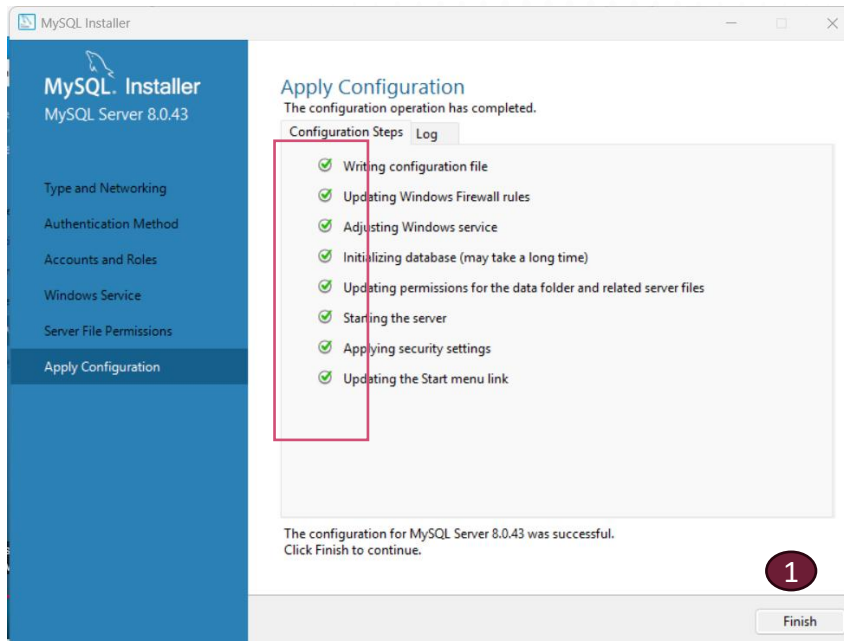
Click Execute and apply the configuration, make sure all configuration steps are complete.

Click Next
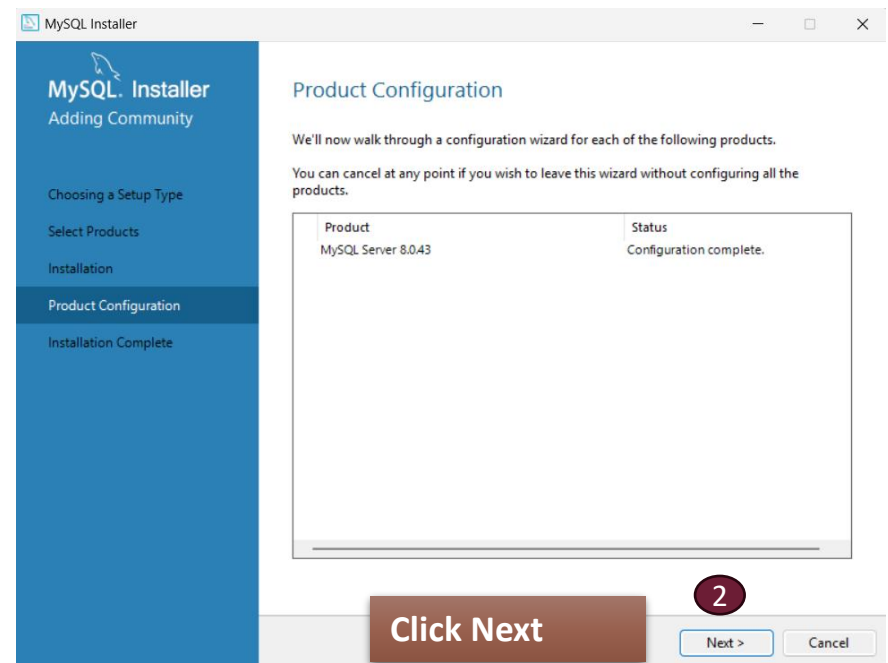
Step 4
Complete Installation (Windows)
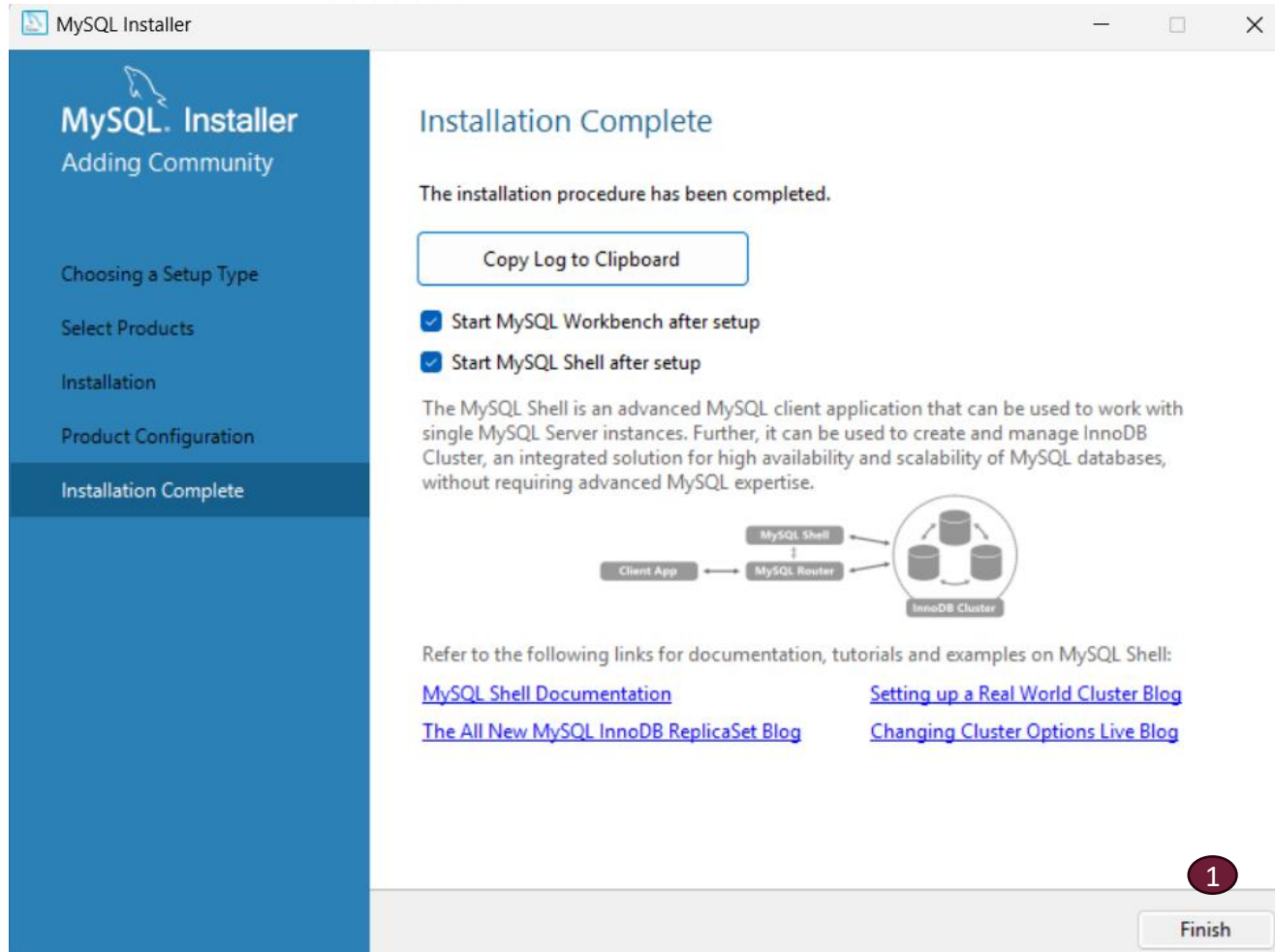
Step 4
Complete Installation (Windows)
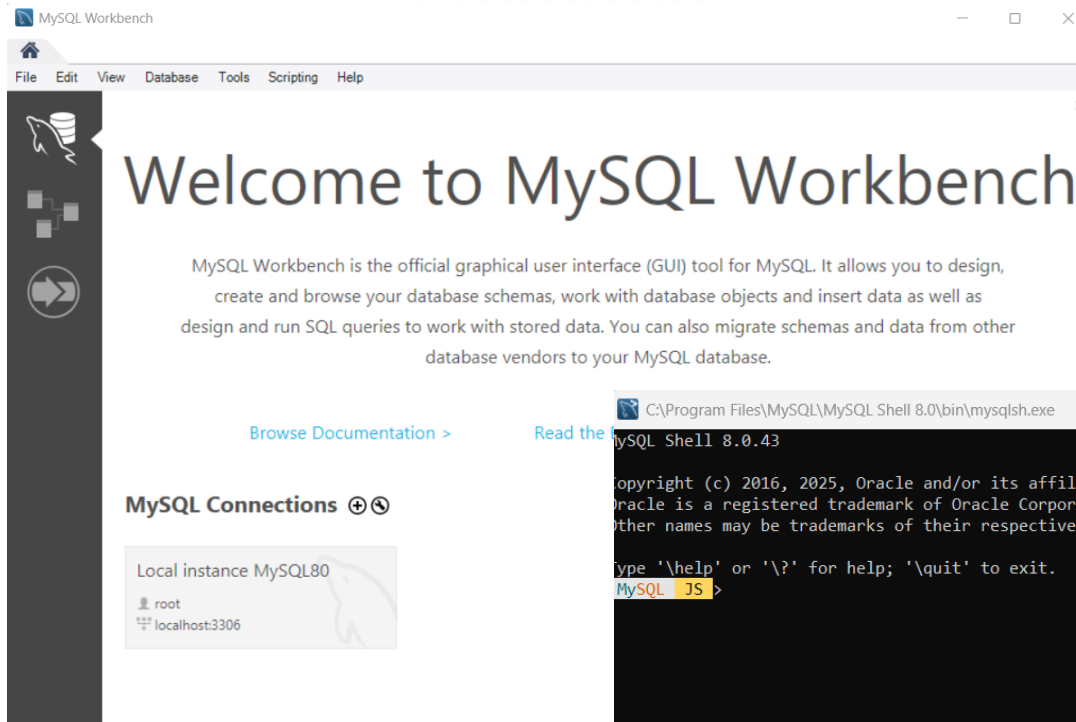
You shall now able to access MySQL Workbench and MySQL Shell
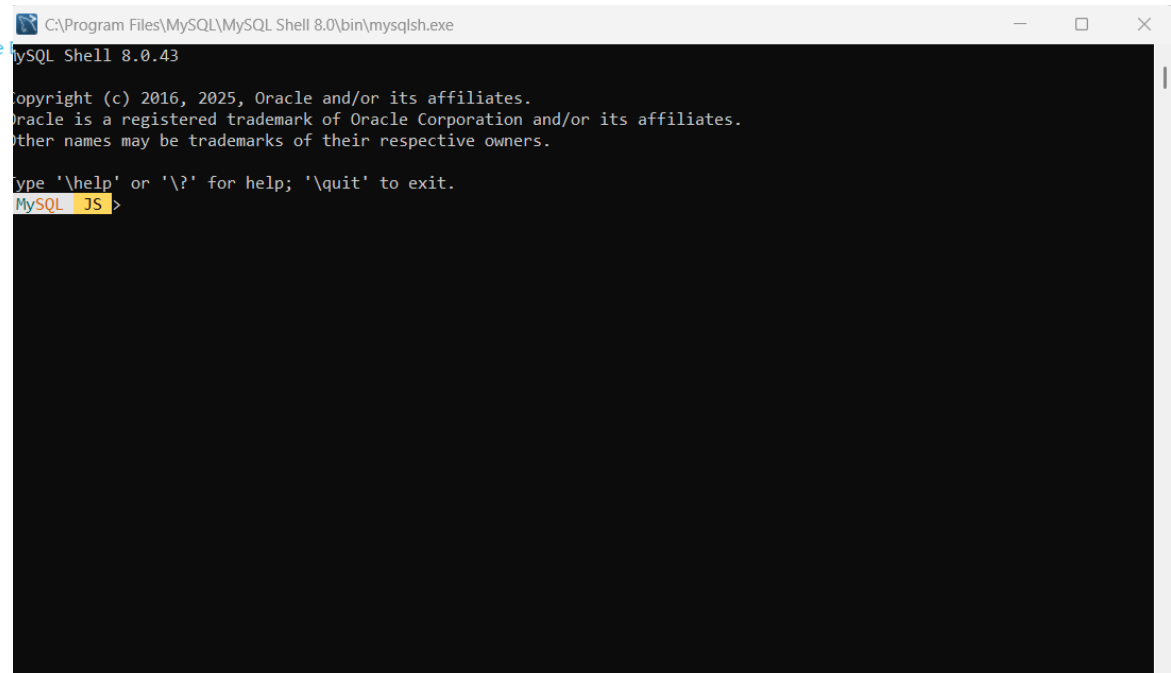
Installing MySQL on Mac
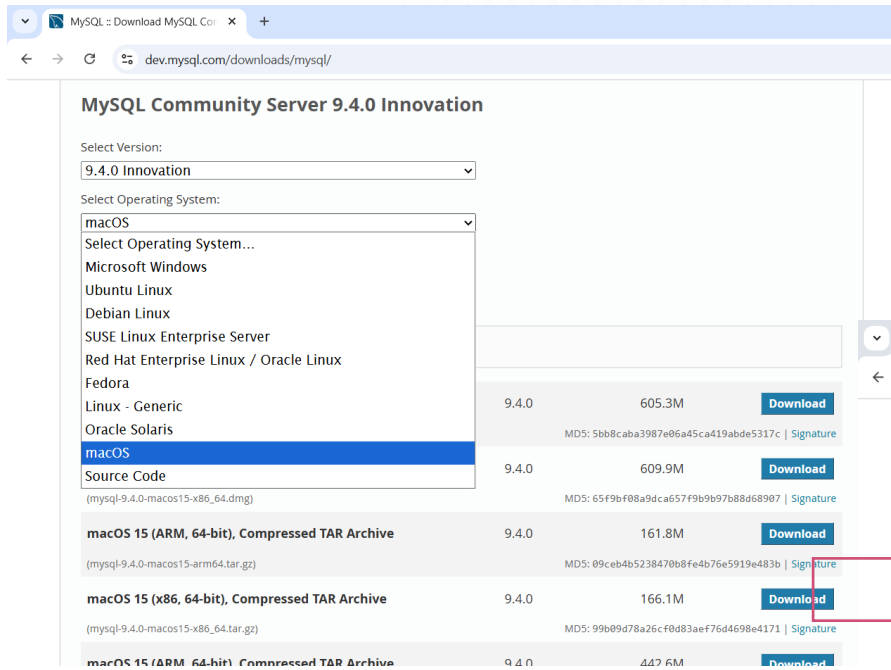
Step 1
Download MySQL Installer (Mac)

You may refer to the following guideline for installation:
https://zarkomaslaric.notion.site/Zarko-s-Video-Tutorial-MySQL-Installation-on-Mac-14cfe1ebfde2804c933fecff0e02ca51
And https://www.youtube.com/watch?v=wpGnJHb2R58&t=336s
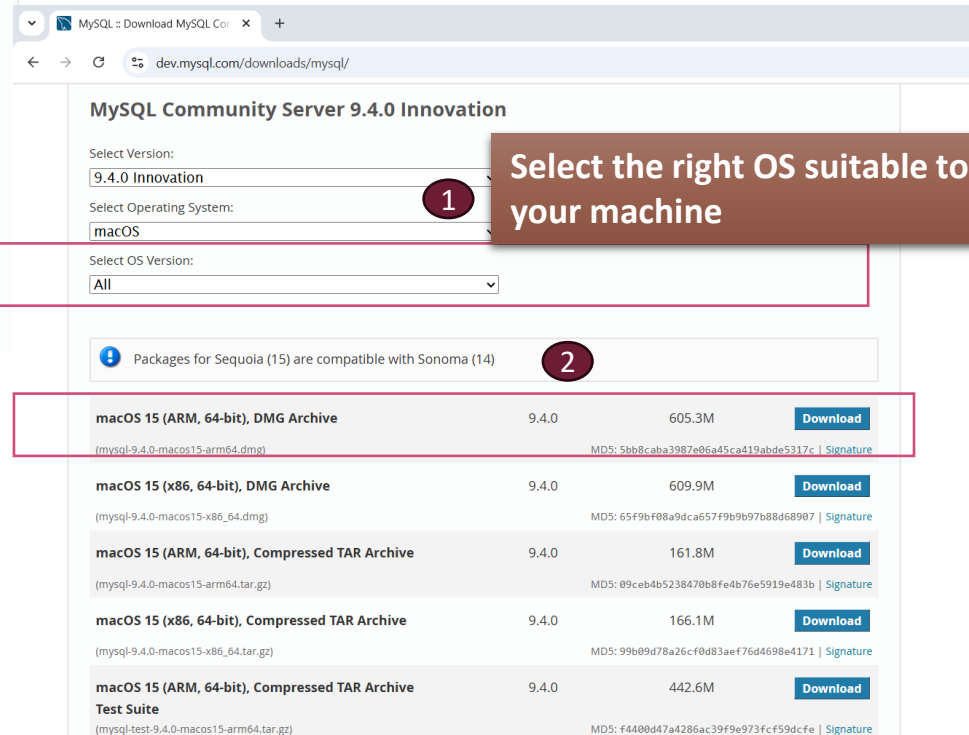
Select the right OS suitable to your machine

Choose the right option, click Download. Suggested.

Step 1
Download MySQL Installer (Mac)

Step 1
Download MySQL Installer (Mac)

Start downloading MySQL installation (Begin with MySQL server DMG file).
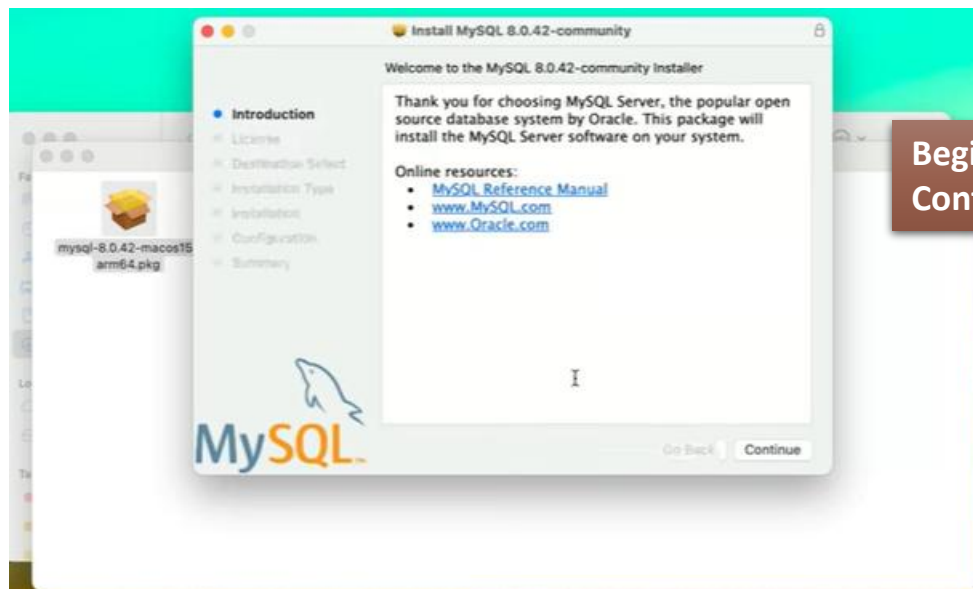
Begin with installation of MySQL, click Continue.

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Step 1
Download MySQL Installer (Mac)
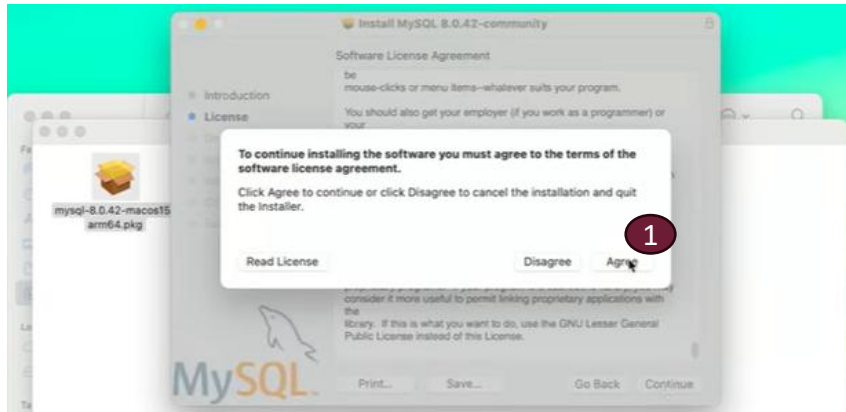
Proceed to Agree the software license agreement.
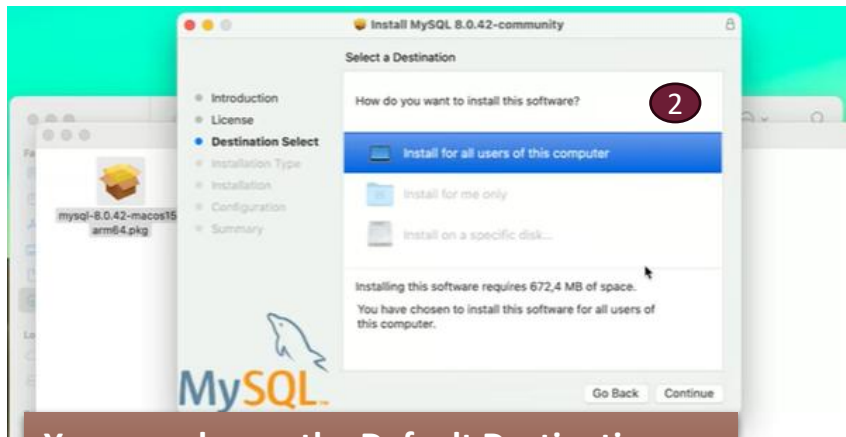
You may choose the Default Destination and proceed to Continue

Choose to Install

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Step 1
Download MySQL Installer (Mac)

Choose use Strong Password Encryption.
Click Next

1

Make sure you know your
MySQL root password.
Example : admin123

2

IMPORTANT

Finish installation.

3
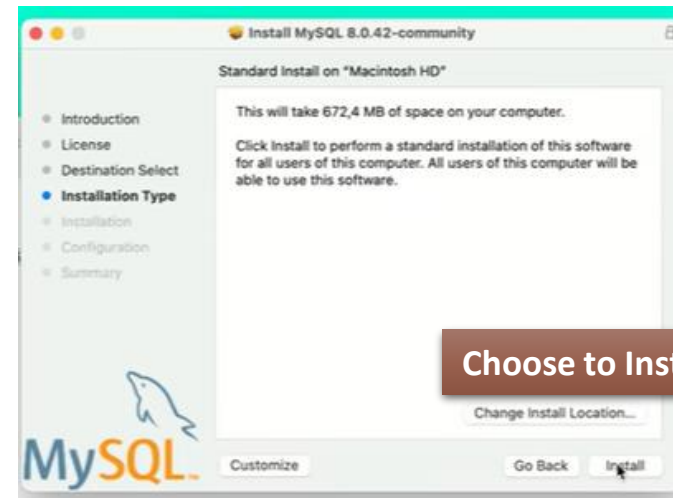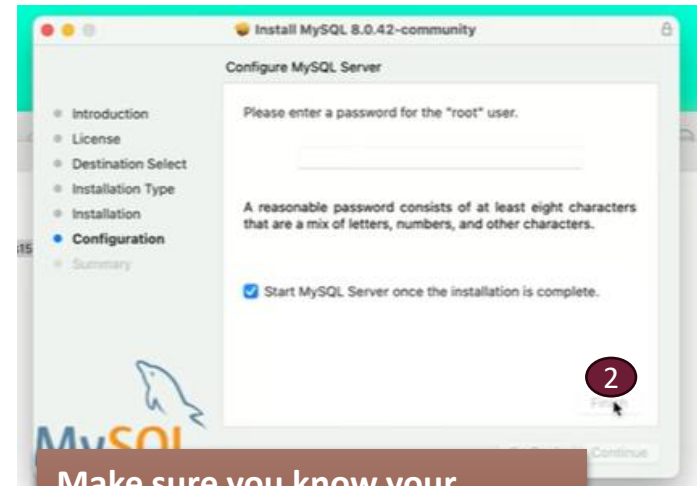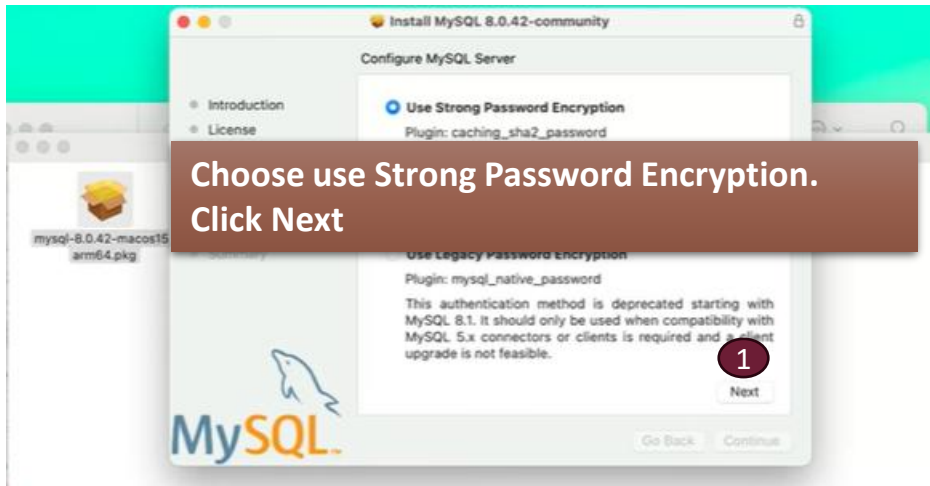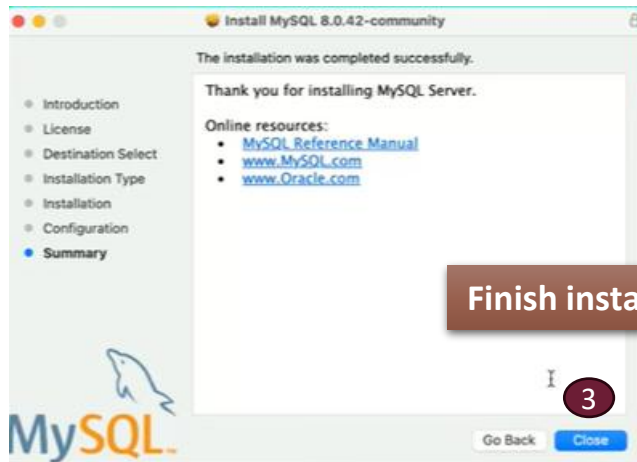
Step 2
Download MySQL Workbench (Mac)

Start downloading MySQL Workbench.

Drag and Drop MySQL Workbench to the Application Folder.
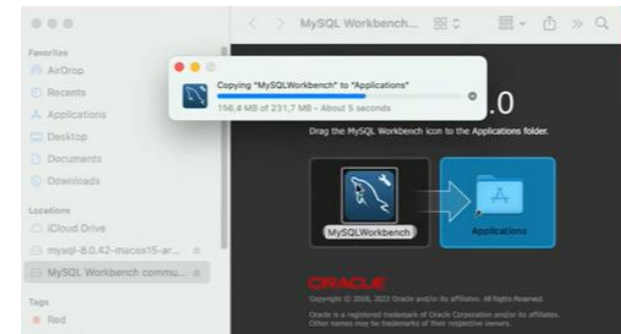
Step 3
Access MySQL (Mac)
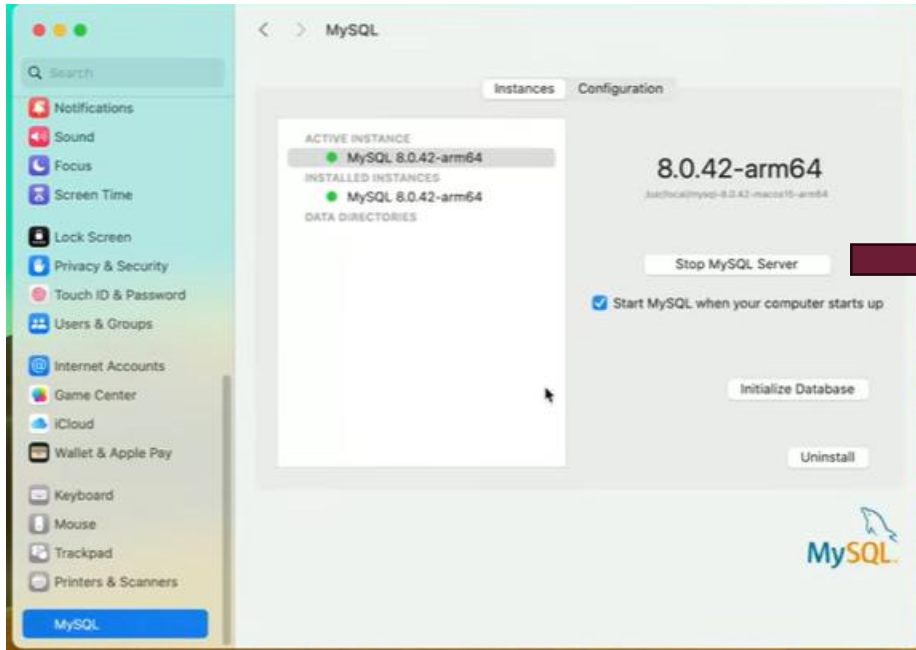
MySQL Server Instance is running (In Settings).

You can start and stop server here
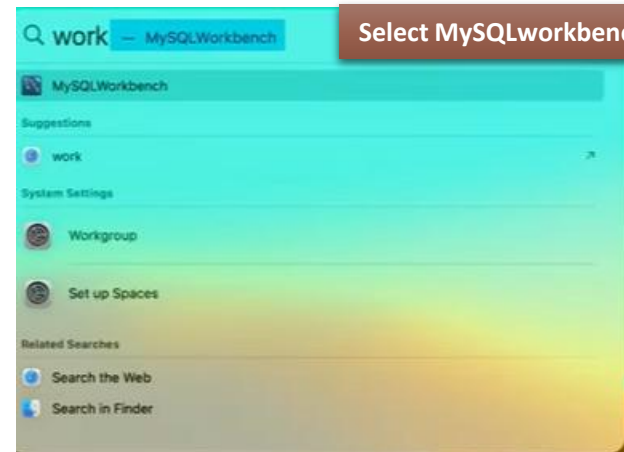
Select MySQLworkbench

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Step 3
Access MySQL Workbench (Mac)
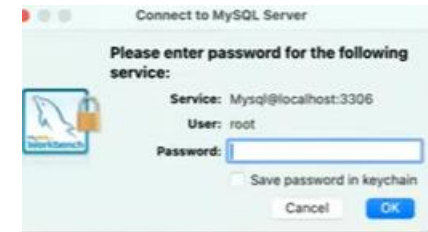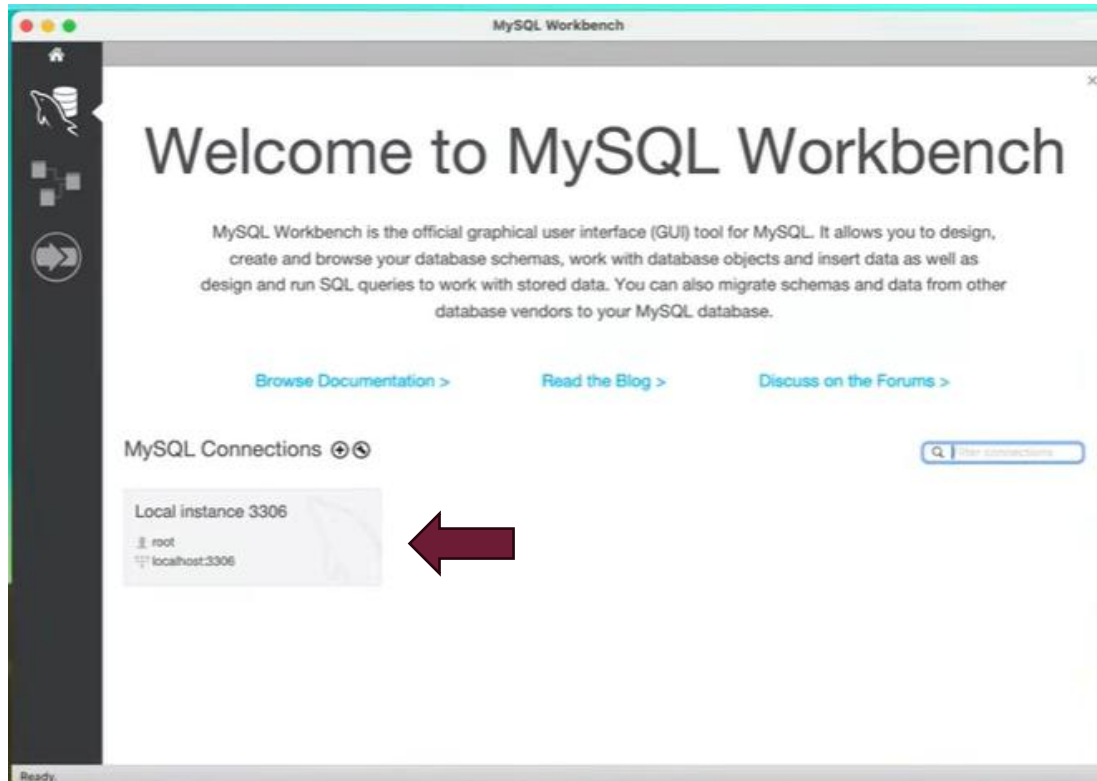
Key in the password and access the workbench

Step 4
MySQL Terminal Configuration (Mac)

- Check which terminal you are using with this command:

```
echo $SHELL
```
1

- If you get `/bin/zsh` then execute this line to configure MySQL:

```
Bash                                                    Copy
echo "export PATH=\${PATH}:/usr/local/mysql/bin" >> ~/.zshrc
```

This is based on the output you get

- Otherwise, if you get `/bin/bash` then execute this line instead:
2

```
echo "export PATH=\${PATH}:/usr/local/mysql/bin" >> ~/.bash_profile
```

Command to start MySQL in the terminal:

```
mysql -u root -p
```

```
zarko — mysql -u root -p — 80×24
zarko@Zarko ~ % mysql --version
mysql  Ver 8.4.3 for macos14 on arm64 (MySQL Community Server - GPL)
zarko@Zarko ~ % mysql -u root -p
Enter password:
Welcome to the MySQL monitor.   Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.4.3 MySQL Community Server - GPL

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owners.

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

mysql> SHOW
```
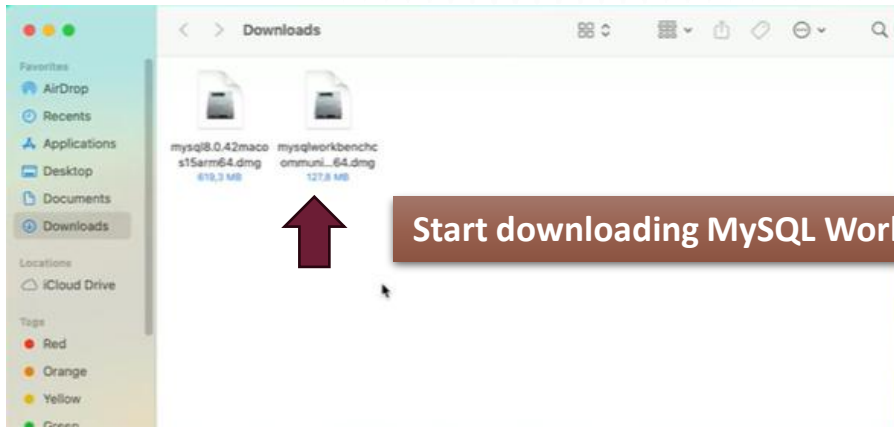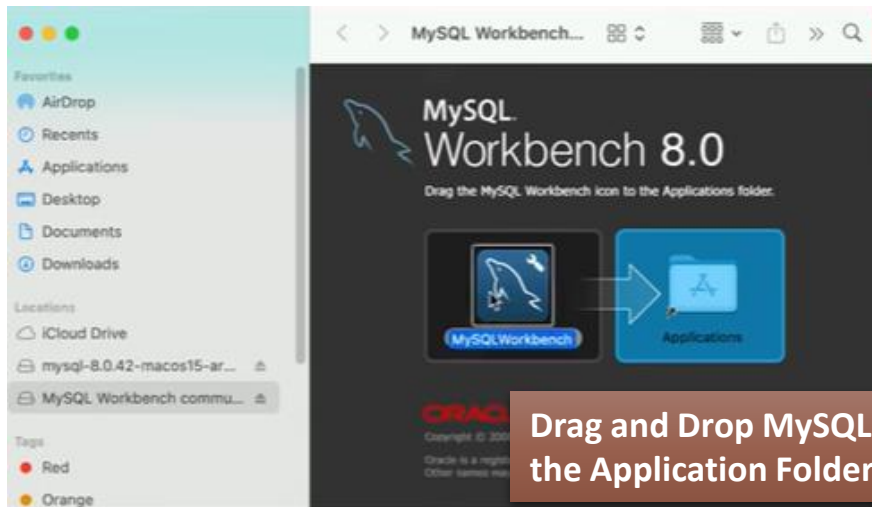**3**
4

www.utm.my
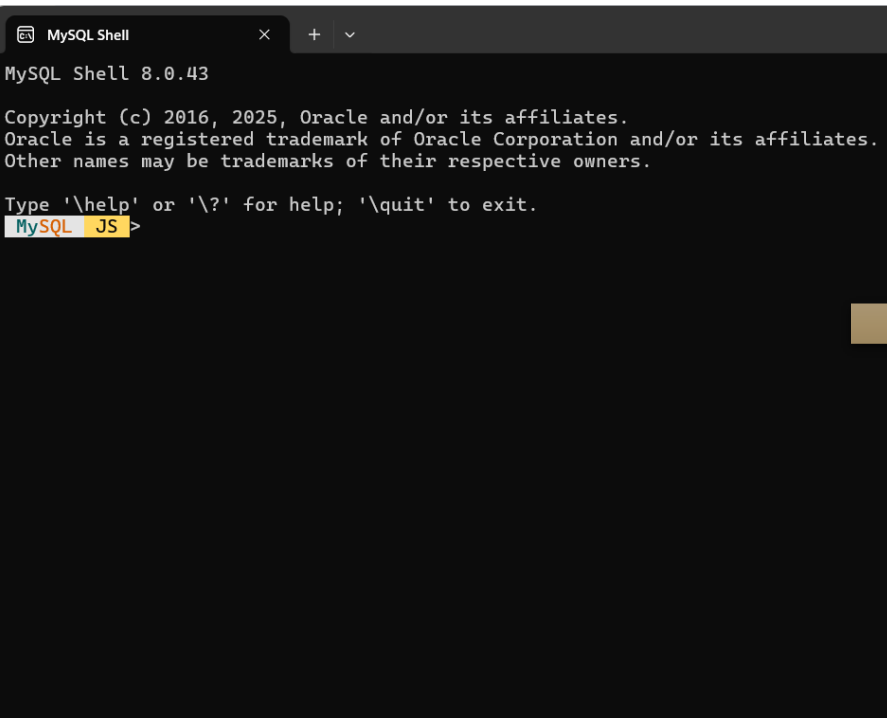
Verification after Installation

MySQL Shell (Windows)

After installation:
- Test MySQL Shell

Your **MySQL Shell** is open and successfully switched to **SQL mode**, which means the installation was successful.
1. \sql
2. \connect root@localhost
3. Enter your password
4. Type Y to save password or N that indicated No save password.

MYSql Shell (Mac/Windows)

- Once connected, create your practice database:

```
Create database student_test;
```

```
MySQL  localhost:33060+ ssl  SQL  > Create database student_test;
Query OK, 1 row affected (0.0525 sec)
```

```
Use student_test;
```

```
MySQL  localhost:33060+ ssl  SQL  > USE student_test;
Default schema set to `student_test`.
Fetching global names, object names from `student_test` for auto-completion... Press ^C to stop.
MySQL  localhost:33060+ ssl  student_test  SQL >
```

This is to create table. Next, insert the data into table.

```
MySQL  localhost:33060+ ssl  student_test  SQL > CREATE TABLE students (
                                            ->     student_id INT PRIMARY KEY,
                                            ->     name VARCHAR(50),
                                            ->     gender CHAR(1),
                                            ->     age INT,
                                            ->     course VARCHAR(50)
                                            -> );
Query OK, 0 rows affected (0.1007 sec)
MySQL  localhost:33060+ ssl  student_test  SQL >
```

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MYSql Shell (Mac/Windows)

Insert the following data in MYSQL shell.

```
MySQL  localhost:33060+ ssl  student_test  SQL > INSERT INTO students VALUES
                                            -> (1, 'Ali', 'M', 21, 'Computer Science'),
                                            -> (2, 'Sara', 'F', 22, 'Information Systems'),
                                            -> (3, 'John', 'M', 20, 'Software Engineering'),
                                            -> (4, 'Mira', 'F', 23, 'Data Science'),
                                            -> (5, 'Raj', 'M', 24, 'Cybersecurity');
Query OK, 5 rows affected (0.0257 sec)

Records: 5  Duplicates: 0  Warnings: 0
```
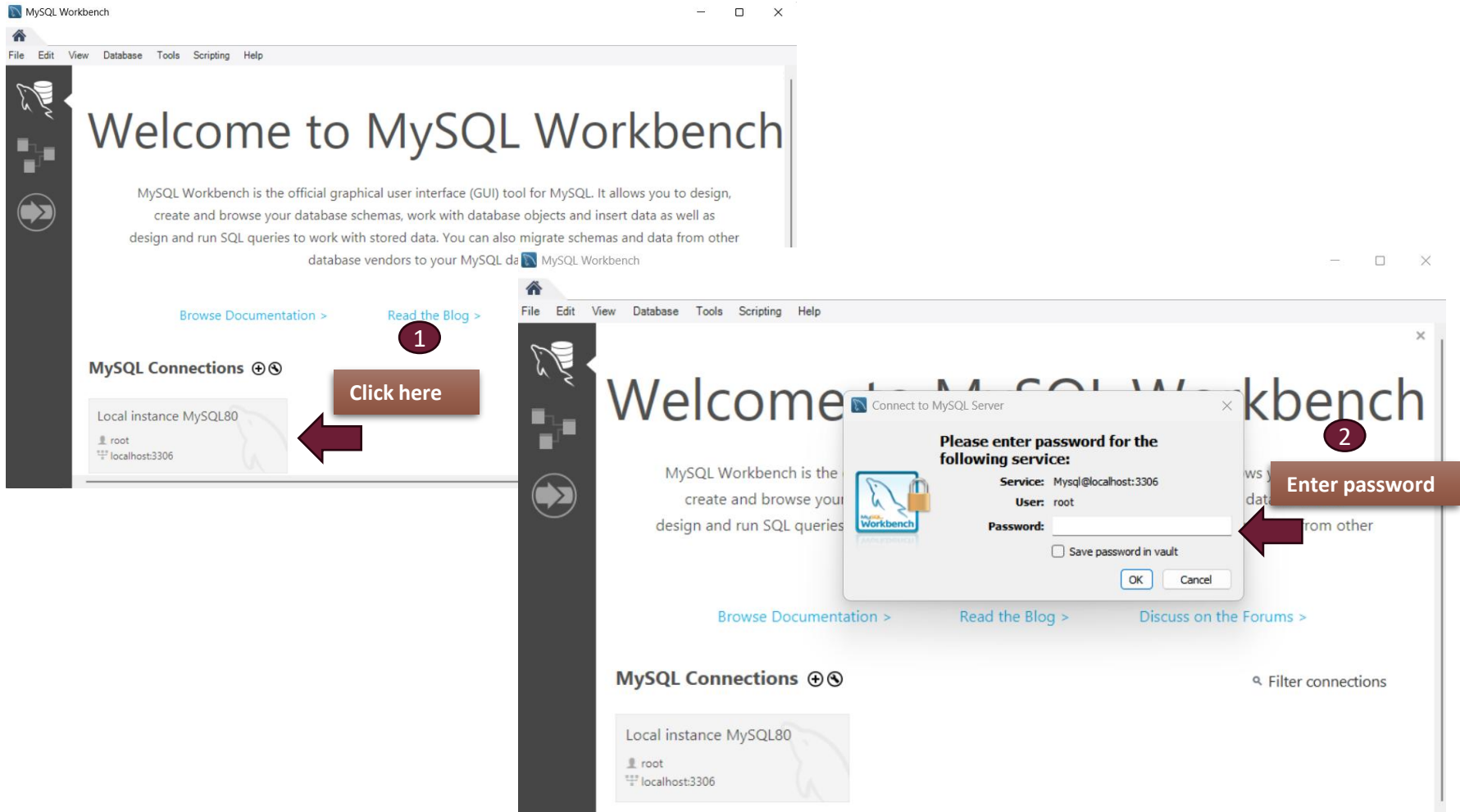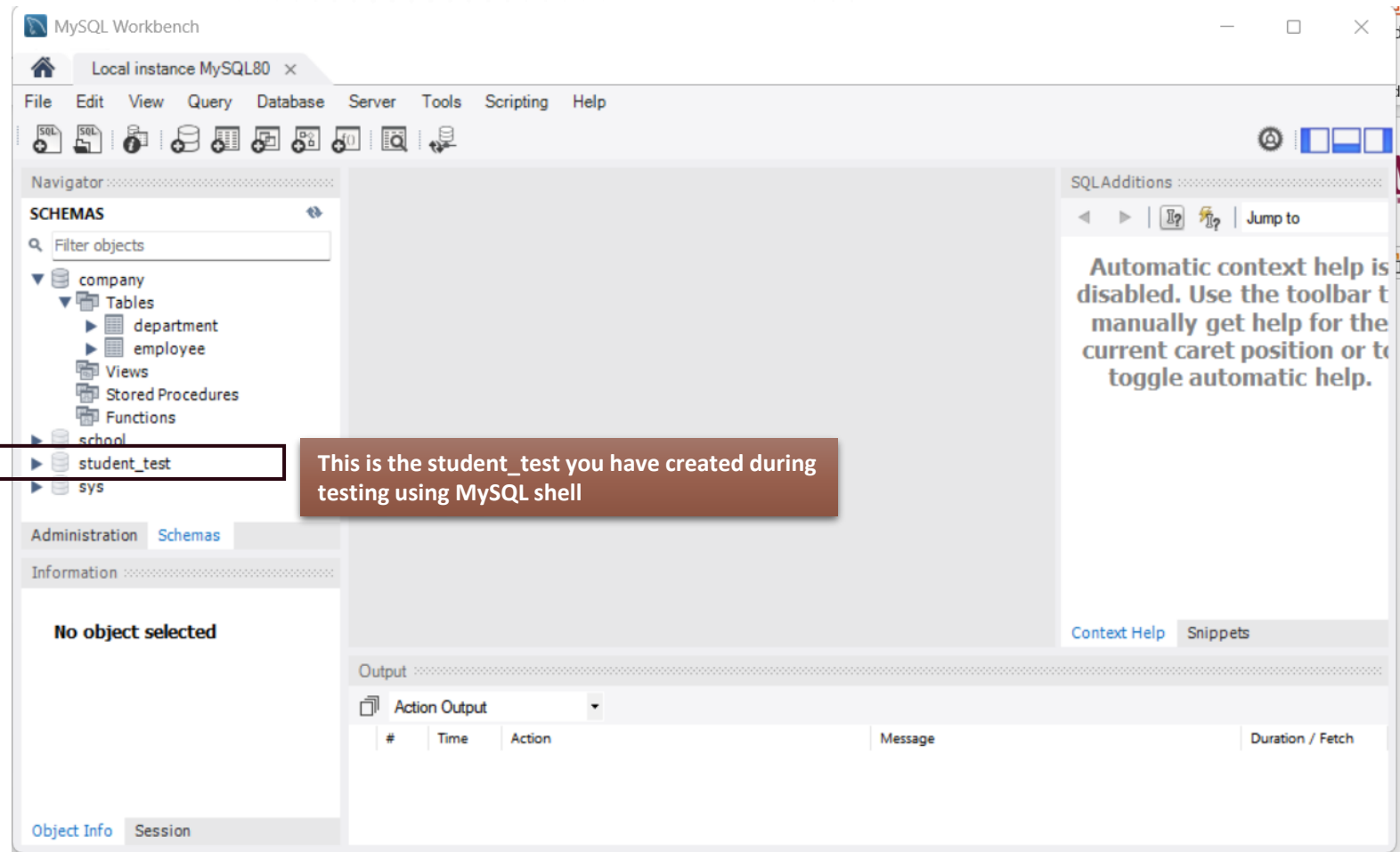
MySQL WorkBench (Mac/Windows)
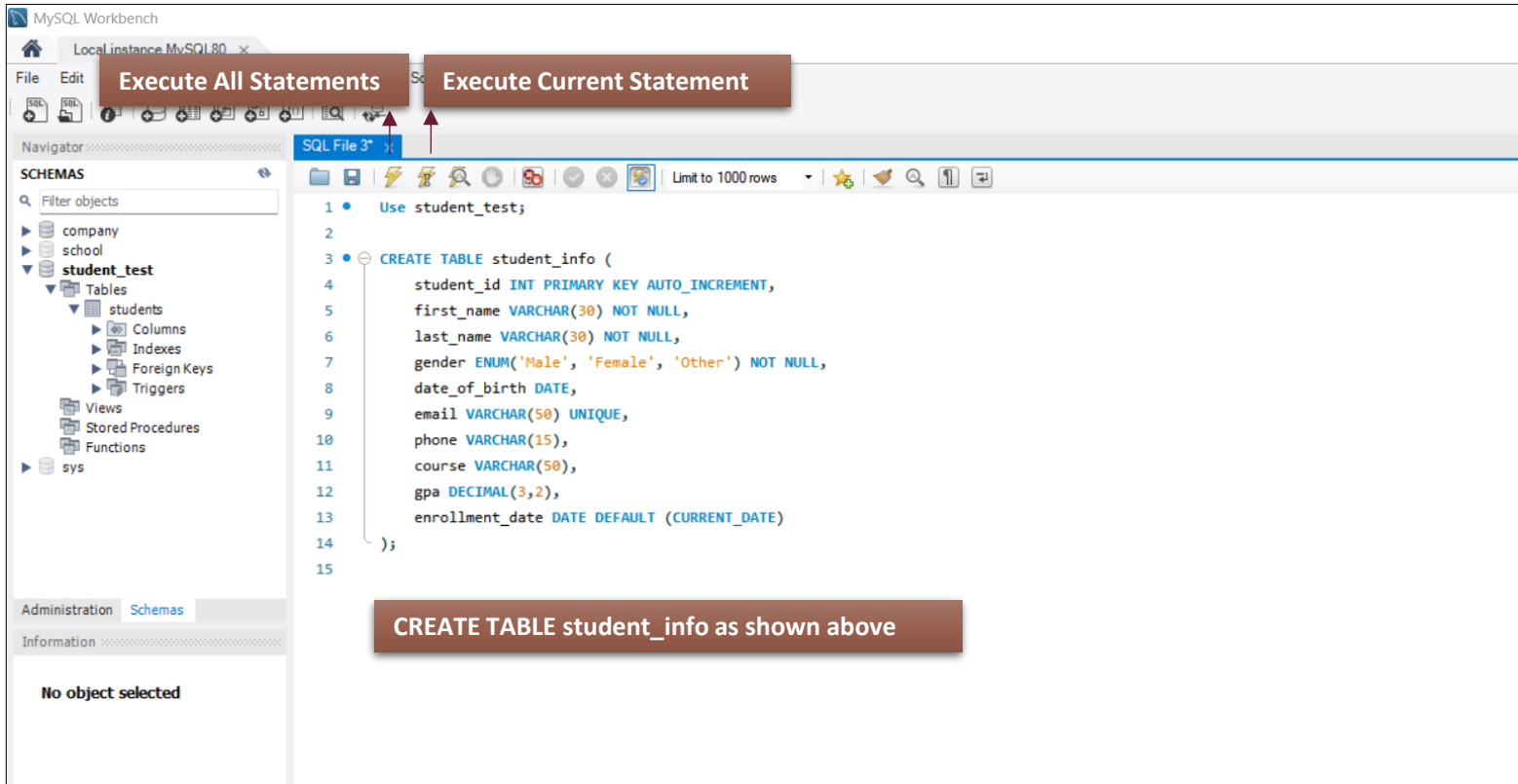
After installation:
- Test MySQL WorkBench

1 Click here

2 Enter password

MySQL WorkBench (Mac/Windows)

This will be your view

This is the student_test you have created during testing using MySQL shell

MySQL WorkBench (Mac/Windows)

Once connected, create your practice table:

MySQL WorkBench (Mac/Windows)

Right Click and Refresh All to view the updated Tables

Other resources

- You may also refer to following link for reference on installing MySql:

- https://www.youtube.com/watch?v=05-C-vHN8p4 (Windows)

- https://www.youtube.com/watch?v=wpGnJHb2R58&t=336s (Mac)

- https://zarkomaslaric.notion.site/Zarko-s-Video-Tutorial-MySQL-Installation-on-Mac-14cfe1ebfde2804c933fecff0e02ca51 (Mac)

(For the provided link for Mac IGNORE the installation of Dbeaver. For this course, you are only required to install MySQL Workbench and MySQL Shell).

THANK YOU

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