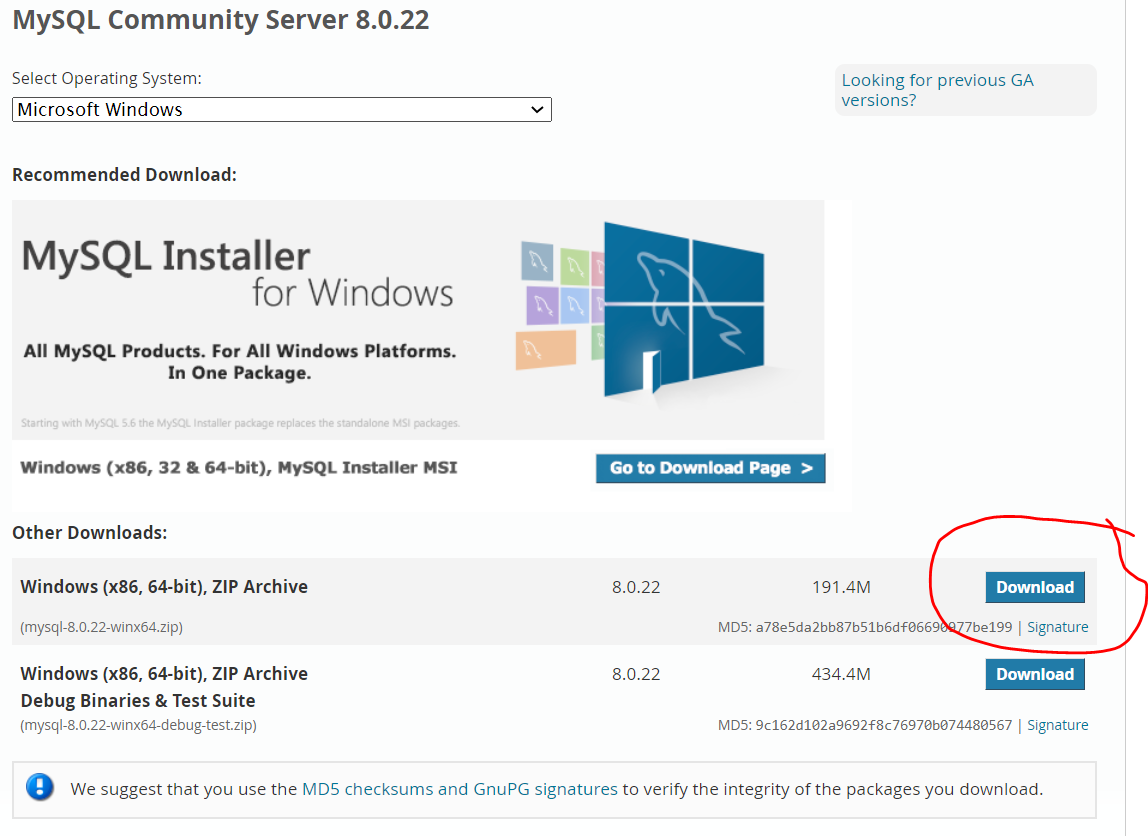
**Steps to Implement Database:**

We will do it locally first.

Download mysql server!!!! **Not the same as workbench:**

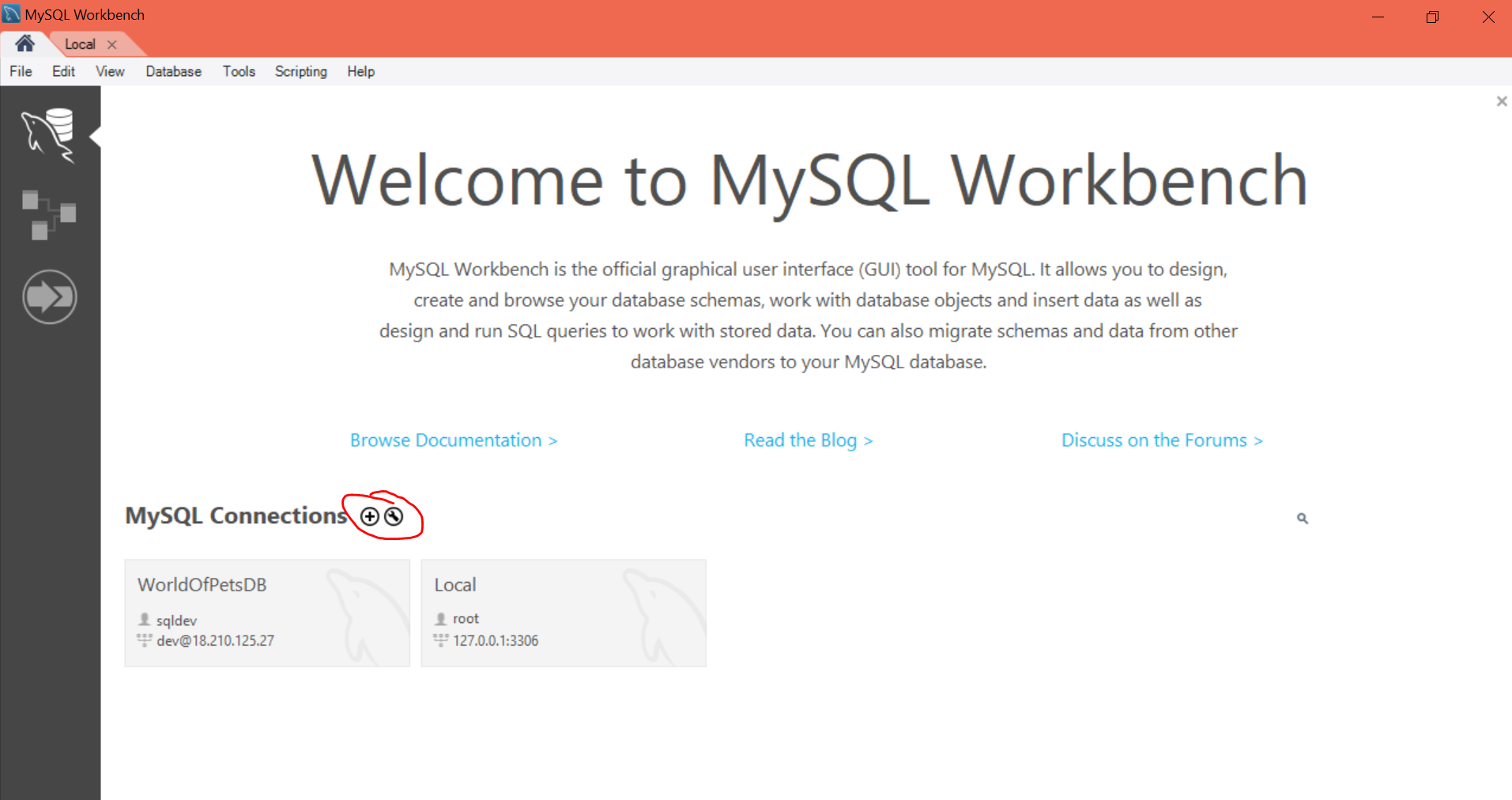
<https://dev.mysql.com/downloads/mysql/>

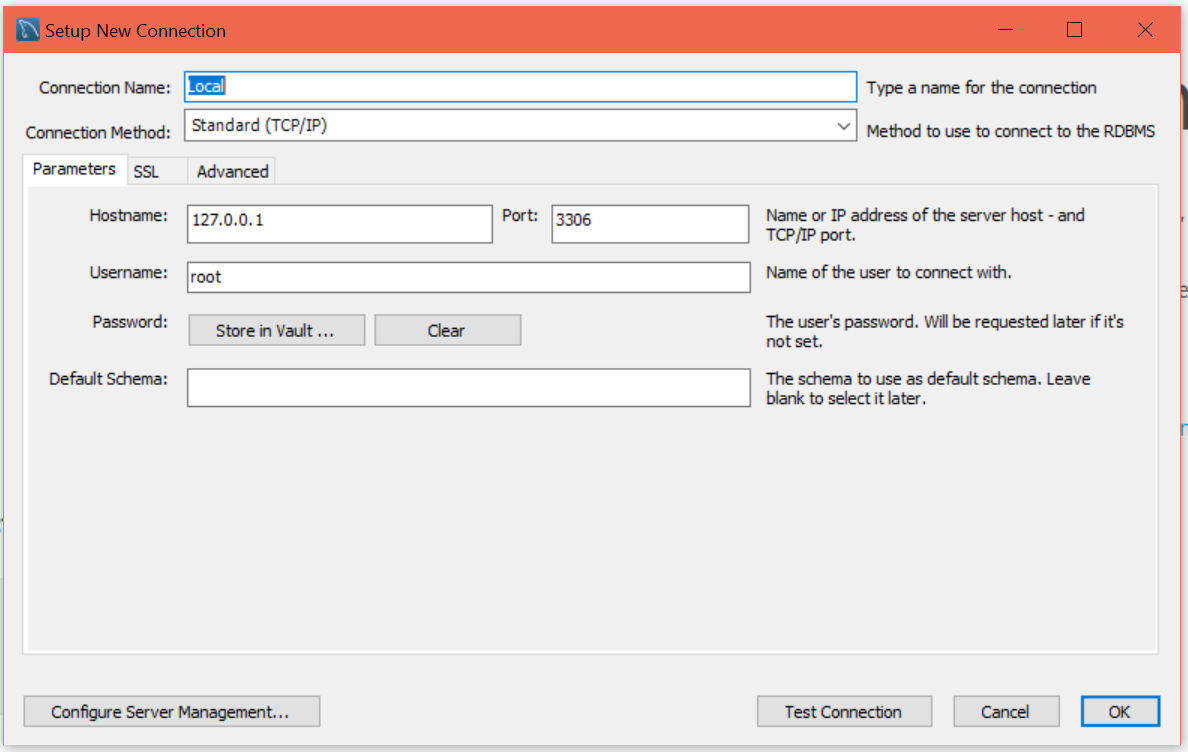


Install the default setting:

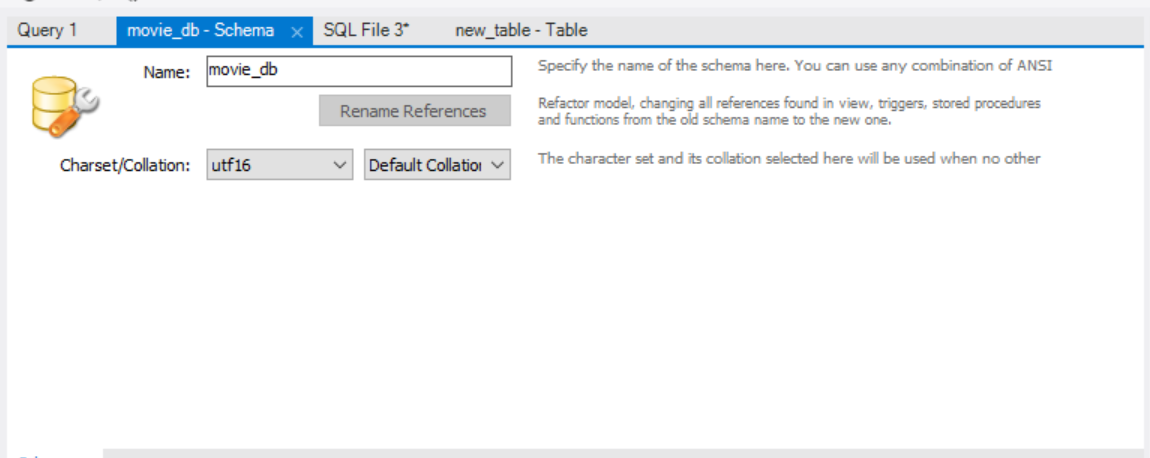
-> Mysql sever 8.0

After installation, go to your MySql.





Password is the password you set up in the root server.



Create schema

**Paste this code in!!**

CREATE TABLE `movie\_db`.Customers

(

Cust\_ID INT NOT NULL AUTO\_INCREMENT,

Name VARCHAR(45) NOT NULL,

Membership\_Pts INT,

Email VARCHAR(45) NOT NULL,

Password VARCHAR(255) NOT NULL,

PRIMARY KEY (Cust\_ID),

UNIQUE (Email)

);

CREATE TABLE `movie\_db`.Movie

(

Movie\_Title VARCHAR(50) NOT NULL,

Movie\_ID INT NOT NULL AUTO\_INCREMENT,

Ratings INT,

Description\_ VARCHAR(800),

Release\_Date\_ DATE NOT NULL,

PRIMARY KEY (Movie\_ID)

);

CREATE TABLE `movie\_db`.Actor\_

(

Actor\_Name VARCHAR(50) NOT NULL,

Age INT,

Description VARCHAR(800),

Actor\_ID\_ INT NOT NULL AUTO\_INCREMENT,

PRIMARY KEY (Actor\_ID\_)

);

CREATE TABLE `movie\_db`.Genre

(

Genre\_ID INT NOT NULL AUTO\_INCREMENT,

Genre\_Name VARCHAR(50) NOT NULL,

Description VARCHAR(600) NOT NULL,

PRIMARY KEY (Genre\_ID)

);

CREATE TABLE `movie\_db`.Cinemas

(

Name VARCHAR(50) NOT NULL,

Descriptions\_ VARCHAR(800) NOT NULL,

Cinema\_ID INT NOT NULL AUTO\_INCREMENT,

Location VARCHAR(100) NOT NULL,

PRIMARY KEY (Cinema\_ID),

UNIQUE (Location)

);

CREATE TABLE `movie\_db`.Hall

(

Capacity INT NOT NULL,

Hall\_ID INT NOT NULL AUTO\_INCREMENT,

Type VARCHAR(100) NOT NULL,

Cinema\_ID INT NOT NULL,

PRIMARY KEY (Hall\_ID),

FOREIGN KEY (Cinema\_ID) REFERENCES Cinemas(Cinema\_ID)

);

CREATE TABLE `movie\_db`.Seat

(

SeatNo INT NOT NULL,

Hall\_ID INT NOT NULL,

PRIMARY KEY (SeatNo),

FOREIGN KEY (Hall\_ID) REFERENCES Hall(Hall\_ID)

);

CREATE TABLE `movie\_db`.Acts\_In

(

Movie\_ID INT NOT NULL,

Actor\_ID\_ INT NOT NULL,

PRIMARY KEY (Movie\_ID, Actor\_ID\_),

FOREIGN KEY (Movie\_ID) REFERENCES Movie(Movie\_ID),

FOREIGN KEY (Actor\_ID\_) REFERENCES Actor\_(Actor\_ID\_)

);

CREATE TABLE `movie\_db`.Movie\_Genre

(

Movie\_ID INT NOT NULL,

Genre\_ID INT NOT NULL,

PRIMARY KEY (Movie\_ID, Genre\_ID),

FOREIGN KEY (Movie\_ID) REFERENCES Movie(Movie\_ID),

FOREIGN KEY (Genre\_ID) REFERENCES Genre(Genre\_ID)

);

CREATE TABLE `movie\_db`.Rate

(

Comments VARCHAR(800) NOT NULL,

Rating\_Number INT NOT NULL,

Date\_Time DATETIME NOT NULL,

Cust\_ID INT NOT NULL,

Movie\_ID INT NOT NULL,

PRIMARY KEY (Date\_Time, Cust\_ID),

FOREIGN KEY (Cust\_ID) REFERENCES Customers(Cust\_ID),

FOREIGN KEY (Movie\_ID) REFERENCES Movie(Movie\_ID),

UNIQUE (Cust\_ID, Movie\_ID)

);

CREATE TABLE `movie\_db`.Movie\_Tickets

(

Ticket\_ID INT NOT NULL AUTO\_INCREMENT,

Time\_Slot DATETIME NOT NULL,

Price FLOAT NOT NULL,

Hall\_ID INT NOT NULL,

Cust\_ID INT NOT NULL,

Movie\_ID INT NOT NULL ,

PRIMARY KEY (Ticket\_ID),

FOREIGN KEY (Hall\_ID) REFERENCES Hall(Hall\_ID),

FOREIGN KEY (Cust\_ID) REFERENCES Customers(Cust\_ID),

FOREIGN KEY (Movie\_ID) REFERENCES Movie(Movie\_ID)

);