MySQL Installation

MySQL Version – 8.0.34

Please follow the following steps for Ubuntu users.

Step 1: Uninstall any existing version of MySQL.

```
sudo apt purge --autoremove mysql-server mysql-client
```

Step 2: Uninstall any existing version of MySQL Workbench.

```
sudo apt purge --autoremove mysql-server mysql-workbench-community
```

Step 3: Update local package index of Package Management System.

```
sudo apt update
```

Step 4: Install MySQL server

```
sudo apt install mysql-server
```

- Enter the password as 'root' and select the first option in the pop-up.

Step 5: Check if MySQL server is installed (you can exit using Ctrl+z)

```
service mysql status
```

- Status should be *Running*.

Step 6: Install MySQL Workbench

```
sudo apt install mysql-workbench-community
```

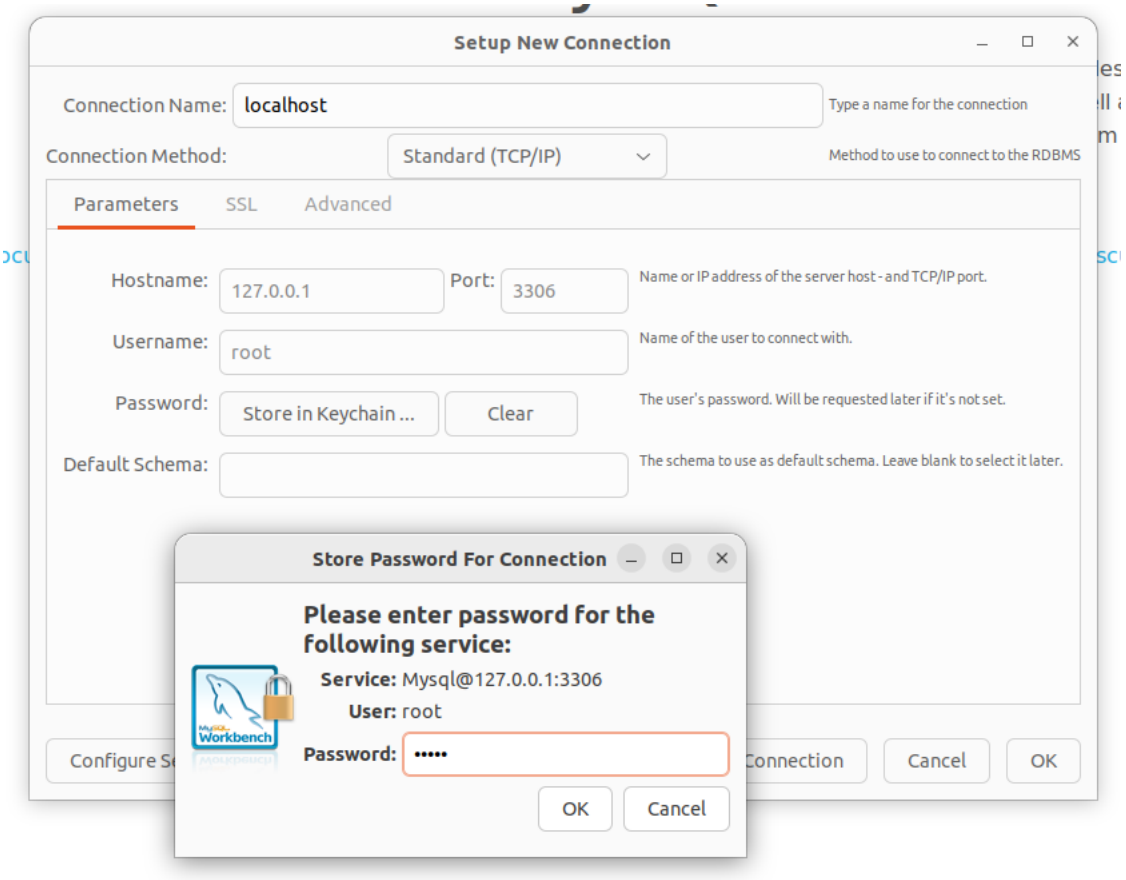
Step 7: Check if MySQL Workbench is installed

- Check if *Workbench* App icon has appeared in *Applications*.

Step 8: Configure MySQL Workbench

- Enter the details as shown below:

Click on *Store in Keychain*. Enter password as 'root'.
Do *test connection.* Then *Ok*. Then finally *Ok* again.
Double click on the saved box to connect.



- Run the following queries once connected to 'localhost':

CREATE SCHEMA `ssd_lab`;
CREATE SCHEMA `ssd_assignment`;

Python Installation

Please follow the following steps for Ubuntu users.

Step 1: Update local package index of Package Management System.

```
sudo apt update
```

Step 2: Check if already installed. If your version is not 3.10.x, uninstall.

```
python3 -V
sudo apt remove python3 python3.x
```

Step 3: Follow this only if you don't have 3.10.x installed.

```
sudo add-apt-repository ppa:deadsnakes/ppa
sudo apt update
sudo apt install python3.10
```

Step 4: Install pip and venv.

```
sudo apt install python3.10-distutils
curl https://bootstrap.pypa.io/get-pip.py -o get-pip.py
sudo python3.10 get-pip.py
sudo apt install python3.10-venv
```

Step 5: Verify python and pip installations.

```
python3.10 –version
pip3.10 --version
```

Step 6: Create a virtual env and active.

```
python3.10 -m venv ssd
```

```
source ssd/bin/activate
```