**Complete installation guide to configure MySQL database with GUI client in Windows PC:**

Step 1:

Enable WSL:

 **Open PowerShell as Administrator**:

* Right-click the Start button and select **Windows PowerShell (Admin)**.

 **Run the Installation Command**:

wsl --install

* This command will enable the required features, download the latest WSL kernel, and install the default Linux distribution (usually Ubuntu).

**Restart Your Computer**:

* You may need to restart your PC to complete the installation.

Step 2:

Download Ubuntu 24.04.1 LTS and Windows Terminal from Microsoft Store:

**Step 1: Open Microsoft Store**

1. **Open Microsoft Store**:
   * Click on the **Start menu** and type "Microsoft Store" to open it.

**Step 2: Search for Ubuntu 24.04.1 LTS**

1. **Search for Ubuntu**:
   * In the Microsoft Store, use the search bar at the top right and type “Ubuntu 24.04.1 LTS”.
2. **Select Ubuntu 24.04.1 LTS**:
   * Click on the entry for Ubuntu 24.04.1 LTS from the search results.

**Step 3: Install Ubuntu 24.04.1 LTS**

1. **Install**:
   * Click the **Install** button to download and install Ubuntu 24.04.1 LTS on your system.

**Open Microsoft Store (if not already open):**

* If you closed it, repeat the steps above to open the Microsoft Store.

**Search for Windows Terminal:**

* In the Microsoft Store, use the search bar at the top right and type “Windows Terminal”.

**Select Windows Terminal:**

* Click on the Windows Terminal entry from the search results.

**Install:**

* Click the **Install** button to download and install Windows Terminal on your system.

Step 3:

**wsl --list**

* **Purpose**: This command lists all the installed WSL distributions on your system.

STEP 4:

sudo apt update

sudo apt install mysql-server

sudo mysql\_secure\_installation

sudo service mysql start

sudo service mysql status

mysql -u root –p

CREATE DATABASE mydatabase;

EXIT;

STEP 5:

mysql -u root –p

CREATE USER 'new\_root\_user'@'localhost' IDENTIFIED BY 'your\_password';

GRANT ALL PRIVILEGES ON \*.\* TO 'new\_root\_user'@'localhost' WITH GRANT OPTION;

FLUSH PRIVILEGES;

EXIT;

mysql -u new\_root\_user –p

STEP 6:

To download **SQLPro for MySQL** from the Microsoft Store, follow these steps:

**Step 1: Open Microsoft Store**

1. **Open Microsoft Store**:
   * Click on the **Start menu** and type "Microsoft Store" to open it.

**Step 2: Search for SQLPro for MySQL**

1. **Search**:
   * In the Microsoft Store, use the search bar at the top right corner and type “SQLPro for MySQL”.

**Step 3: Select SQLPro for MySQL**

1. **Choose the App**:
   * Click on the SQLPro for MySQL app from the search results.

**Step 4: Install SQLPro for MySQL**

1. **Install**:
   * Click the **Install** button to download and install SQLPro for MySQL on your system.

**Step 5: Launch SQLPro for MySQL**

1. **Open the App**:
   * Once the installation is complete, you can find SQLPro for MySQL in the Start menu. Click to launch it.

STEP 7:

To connect **SQLPro for MySQL** to a MySQL database running on your computer, follow these steps:

### Step 1: Launch SQLPro for MySQL

1. **Open SQLPro for MySQL** from your Start menu or desktop.

### Step 2: Create a New Connection

1. **Click on "New Connection"**:
   * In SQLPro, look for a button or menu option that says "New Connection" or something similar.

### Step 3: Enter Connection Details

Fill in the connection details as follows:

1. **Connection Name**:
   * Enter a name for your connection (this can be anything that helps you identify the connection).
2. **Host**:
   * If your MySQL server is running locally, use localhost or 127.0.0.1.
3. **Port**:
   * The default MySQL port is 3306. If you haven't changed it, leave this as is.
4. **Username**:
   * Enter the MySQL username. If you just set up MySQL, this could be root or any other user you've created.
5. **Password**:
   * Enter the password associated with the MySQL username you provided.
6. **Database** (optional):
   * If you want to connect directly to a specific database, you can enter its name here. Otherwise, you can leave it blank and choose a database later.

### Step 4: Test the Connection

1. **Test Connection**:
   * Look for a button that says "Test Connection" or similar to verify that the settings are correct. If the connection is successful, you'll see a confirmation message.

### Step 5: Save the Connection

1. **Save**:
   * If the test is successful, click on "Save" or "Connect" to establish the connection.

### Step 6: Start Working with Your Database

1. **Connect**:
   * Once saved, you can connect to your database from SQLPro for MySQL. You should see your database and be able to run queries, manage tables, etc.

### Troubleshooting Tips

* **Ensure MySQL is Running**: Make sure your MySQL server is running. You can check this by using a command like sudo service mysql status in your terminal (if you're on Linux/WSL).
* **Firewall Settings**: Ensure that your firewall is not blocking port 3306 if you're accessing MySQL from a different machine.
* **Correct Credentials**: Double-check your username and password. Ensure that the user has the necessary privileges to access the database.