How To Install MySQL Server 5.7 on Windows 7 Development Machine

Step 1: Download MySQL Server

- Go to the following link:
    - https://dev.mysql.com/downloads/windows/installer/5.7.html

- Press the download button as shown in the graphic below:

- Choose the correct version
- Next, you will be asked to Login in or Sign Up. You can safely ignore this request and click on the little link at the bottom of the page that says, No thanks, just start my download.

Step 2: Installation Walkthrough
- On the Welcome page, press the Install MySQL Products link.
- On the **License Agreement** page, Check the box to accept the license terms and press Next.
- On the Choosing a Setup Type choose Custom so you can decide exactly which packages to install. This is the only place where you can specify whether to install 32-bit or 64-bit MySQL Server.
- On the Select Products and Features page, select the 32bit or 64bit versions of all the applications that you want. At the very least get:
    - MySql Server
    - MySQL Workbench (a UI used to manage your local databases)
- On the Check Requirements page, install any missing requirements by pressing the Execute button, or go back to the previous page and change the packages that will be installed to remove the requirement. Once all of the requirements are met, press the Next button.
- On the Installation page, you will be shown a list of software that will be downloaded. Press the Execute button to begin the downloads.

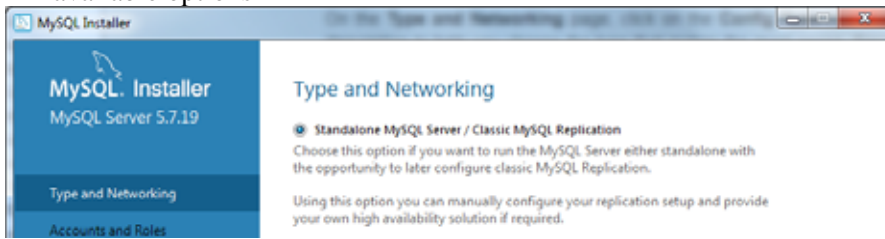**Step 3: Add mysql command to the Windows PATH Variable**
Adding MySQL to the Windows PATH variable will allow you run various commands from the console, and allow 3rd party applications to execute various MySQL commands.

- Click the **Start** Orb
- Right click on the computer menu/button Computer
- Select the **Properties** menu option.
- On the dialog that opens, select **Advanced system settings**.
- Select the **Advanced** tab.
- Click the **Environment Variables** button.
- Select the **Path** variable in the table, then press the Edit button.
- Append the path to your MySQL Server bin directory (make sure to add a semi-colon after any existing items in the path before appending the new path). The default path for a 64bit installation is C:\Program Files\MySQL\MySQL Server 5.7\bin.

Step 4: Configure MySQL Server
When the installer finishes, a new configuration wizard will open.

- On the **Type and Networking** page, click on the **Sever Configuration Type** box to take a look at the available options
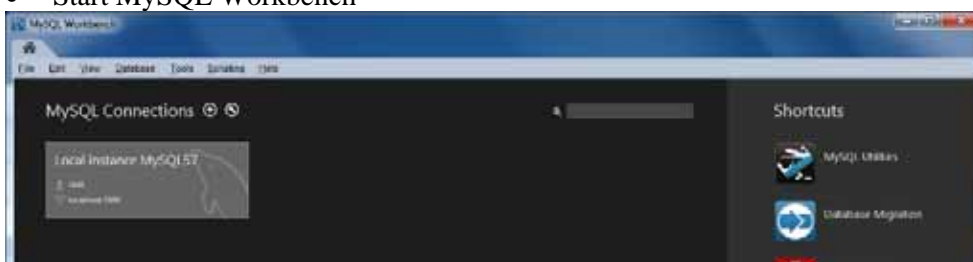

  - Config Type: Development Machine
  - Connectivity:
  - Check the box for **TCP/IP** Networking and choose a port. Port **3306** is standard and works well so leave it alone unless you have a reason to change it. Check the box to **Open Firewall port** for network access. Lastly, click the **Show Advanced Options checkbox** and press **Next**.
  - On the next page, pick a good password for your **MySQL** root account. You can add any **additional users** you need now, or do this later when you're setting up your application. Press **Next** when done.

- On the next page for **configuring the Windows Service Details**, give your service a new name or leave the default suggestion in place. Next, decided on whether to Start the MySQL Server at System Startup. For a development machine, it makes sense to check this box. The last option, tells MySQL Server which user account to run under. Leave the box checked for Standard System Account unless you have an explicit reason not to. Press Next.
- On the **Advanced Options page**, accepts the defaults unless you would like something non standard. Press Next to finish the configuration and installation. You should see the Configuration Complete message on the Configuration Overview page. You might also get a notification from Windows that the list of Services has changed as well. If you decided to install Samples and Examples, MySQL will need to briefly configure that as well, so press Next to start that configuration. When that is done, press Next to finish the configuration.

Step 5: Start and Stop MySQL Server
At this point, you should be on the Installation Complete page with MySQL Server running. If you choose to install MySQL Workbench, you will see a checkbox asking to open MySQL Workbench when the Installer closes. Make your choice and select Finish.

You can start and stop your MySQL Server on Windows by connecting to it in **MySQL Workbench**. This UI will allow you to administer your server, run queries, manage database, etc…

- Start MySQL Workbench

- Click the "Local instance MySQL57"
- Choose Sever-> Startup/ Shutdown
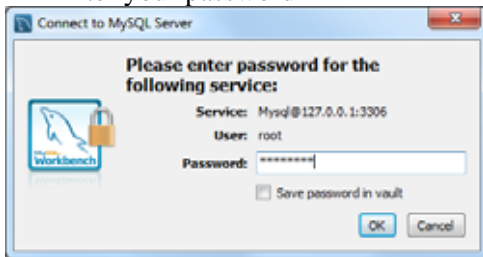

- Click "Start Server".

Startup / Shutdown MySQL Server

The database server is started and ready for client connections. To shut the server down, use the "Stop Server" button

The database server instance is running   Stop Server   Bring Offline
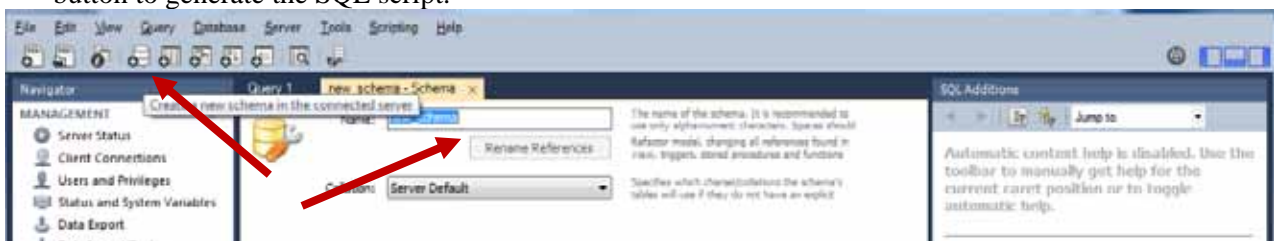
If you stop the server, you and your applications will not be able to use the database and all current connections will be closed

- Enter your password

Connect to MySQL Server

Please enter password for the
following service:

Service: Mysql@127.0.0.1:3306

User: root

Password: ********

☐ Save password in vault

OK   Cancel
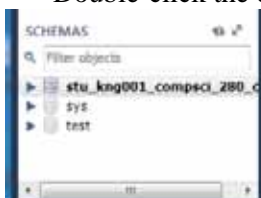
Step 6: Create a MySQL Database with MySQL Workbench

- Click on the **New Schema** icon in the menu, and then **enter a name
  (stu_YOURUPI_COMPSCI_280_C_S2_2017)** for your new database in the field as shown. Click the **Apply**
  button to generate the SQL script.

- Click the **Apply** button again to execute the create database statement, and create your new database.
- Click **Finish**.
- Your database should now be listed on the left with your other database schemas.

Step 7: Create a EMPLOYEES Table

- Double-click the database that you just created

- Enter a SQL statement.

- Click the execute button to execute the SQL statement.