

# SIT103/SIT772 Fundamentals of Database



## Pass Task 1.2P: MySQL Installation

### Overview

In this task, you are required to download MySQL Community Server and MySQL Workbench in your machine and have our SQL environment setup for the unit. MySQL Community Server is an open-source Relational Database Management System (RDBMS), and MySQL Workbench is an interface to access or interact with MySQL.

### Tasks to do:

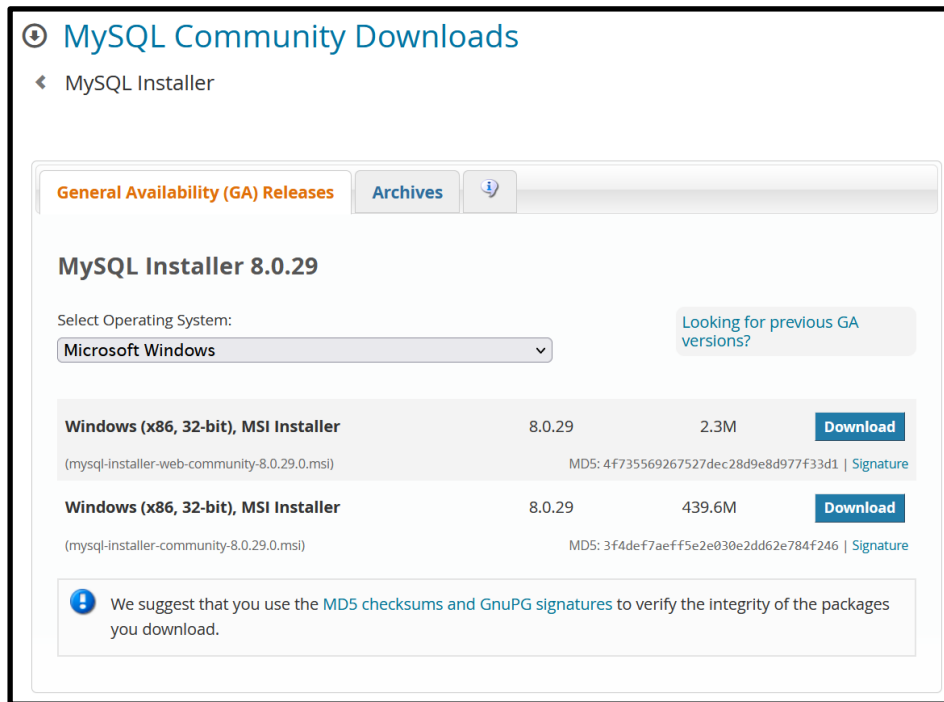
- Download and install MySQL Community Server and Workbench in your machine

When you download MySQL products, you will be given an option to Login to MySQL account. You do not have to do it, just select **"No thanks, just start my download"** option at the bottom of the page.



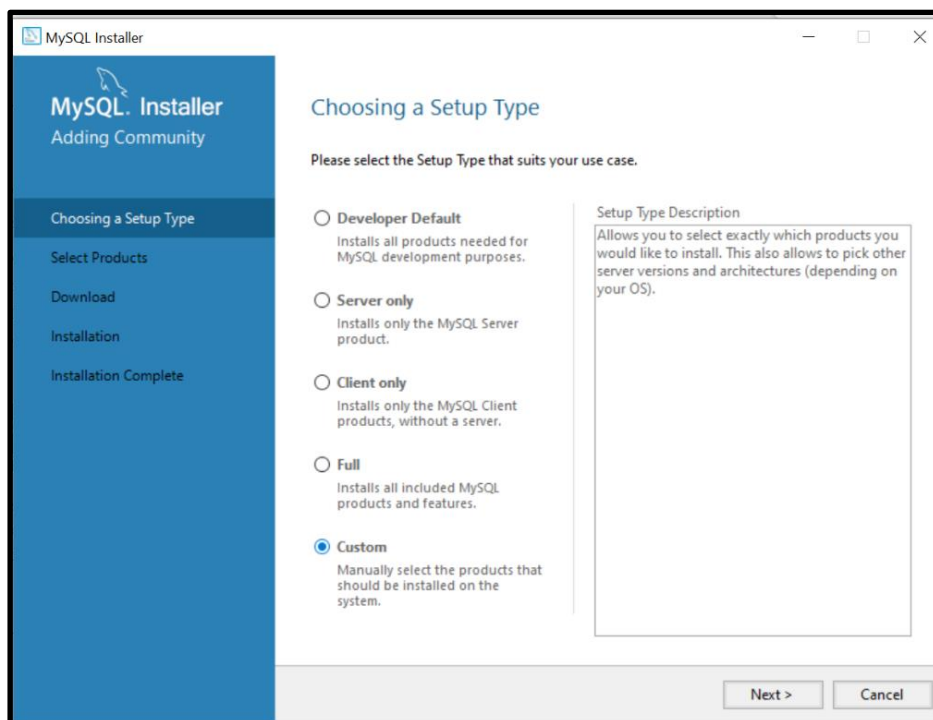
### WINDOWS MACHINE

Both Server and Workbench are available in the MySQL Community installation package  
<https://dev.mysql.com/downloads/windows/installer/8.0.html>

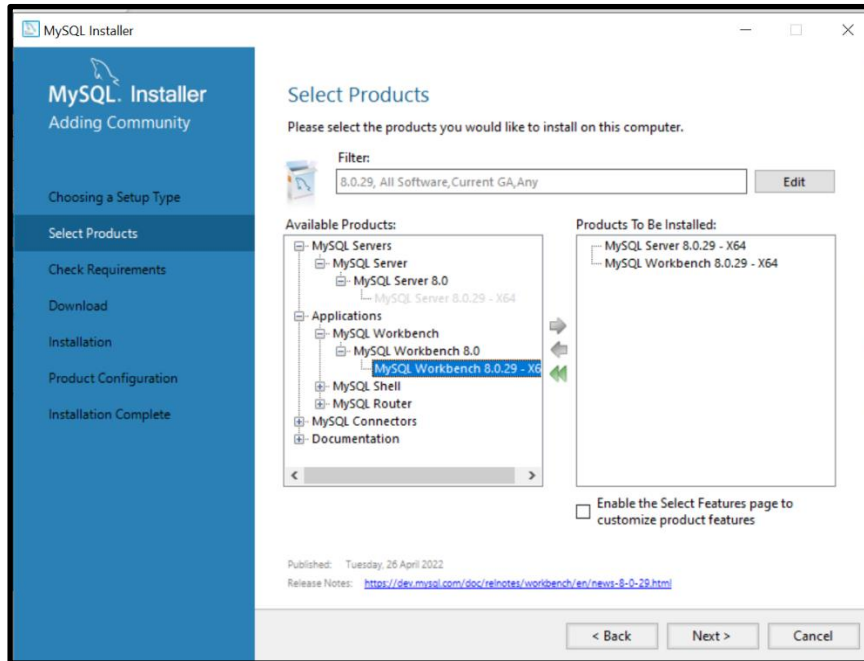


Note that the installer has other MySQL and related products, but we only need Community Server and Workbench. You can follow instructions in the following YouTube video. [How To Install MySQL \(Server and Workbench\)](#)

## Select Custom Installation Type



Select the latest version of MySQL Server and MySQL Workbench.



*Note that some other required products such as Microsoft Visual C++ may also need to be installed if they are not already installed in your system.*

**IMPORTANT NOTE:** You will be asked to setup a **password for the “root” user** while configuring your MySQL server during installation. Remember this password as you need it every time you connect to the MySQL Server.

## MAC MACHINE

You need to download MySQL Community Server and MySQL Workbench separately.

Install MySQL Community Server from:

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

Install MySQL Workbench from:

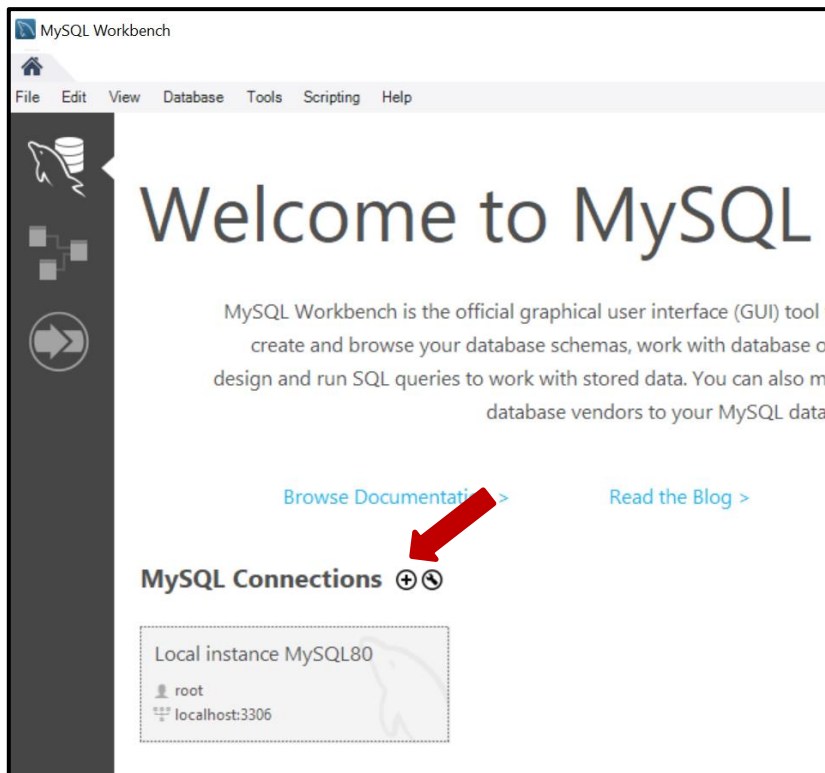
<https://dev.mysql.com/downloads/workbench/>

YouTube Video Mac Installation

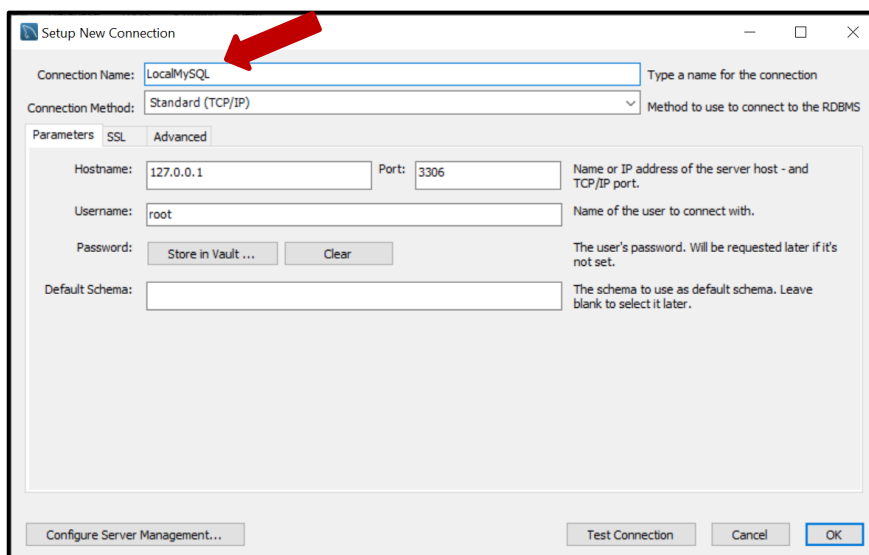
[Mac MySQL Community Server and Workbench Install](#)

## Connection to MySQL server from MySQL Workbench

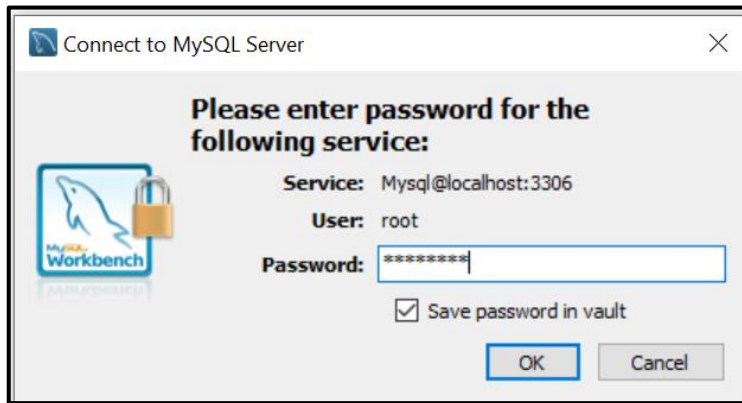
Open MySQL Workbench



You may have a connection to *localhost* already as shown in the figure above. If not, add one clicking the little **+** sign. Leave all default settings and give a name to the connection, you can give any name like “*LocalMySQL*”. Note that hostname defined by IP address 127.0.0.1 is the localhost or local machine.



Click the established connection to connect to the database. You will be prompted for the *root* user password. Provide the password that you setup while installing MySQL earlier. You can save the password in vault so that you do not have to provide later.



### Connecting to MySQL in remote server (Optional)

Using MySQL workbench, we can connect to MySQL databases in remote servers as well. If you do not want to install MySQL Community Server in your machine, you can use the MySQL server hosted by Deakin University. You can create a database in the Deakin MySQL server via the self-serve web application located at <https://intranet-apps.deakin.edu.au/db-self-serve/home>. Follow the prompts to create a MySQL database, you will be provided with your database details.

### MySQL Databases

Staff and students are able to access up to 3 MySQL databases for teaching and learning use.

These databases are hosted on the server interact-mariadb-f1.its.deakin.edu.au ← Server Name

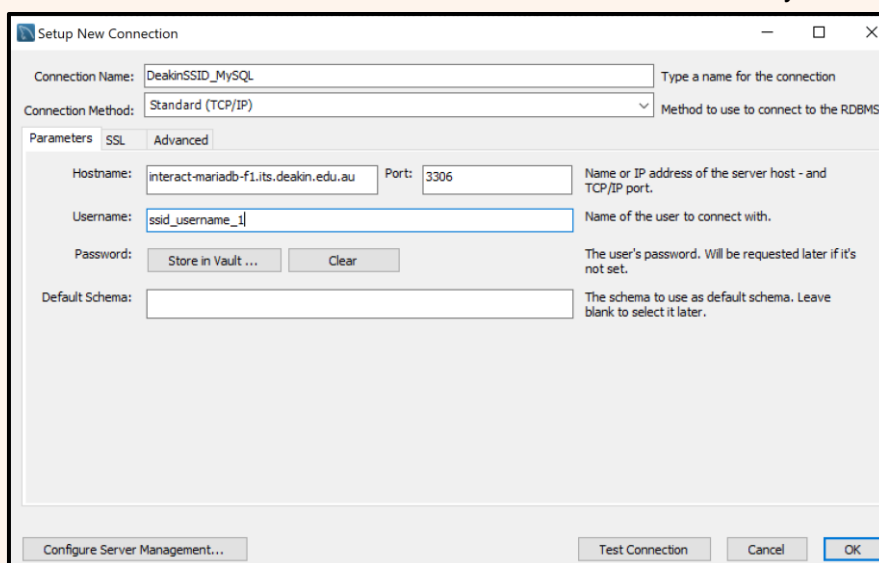
### Your Databases

**Test Complete**

Successfully connected to ssid\_sunilaryal\_1. Your database contains 1 table.

Database Name	Database Username	Database Password	Creation Time	Actions
ssid_username_1	ssid_username_1	ssidusername1password	2022-06-11 07:20:12	<span>Test</span> <span>Delete</span>

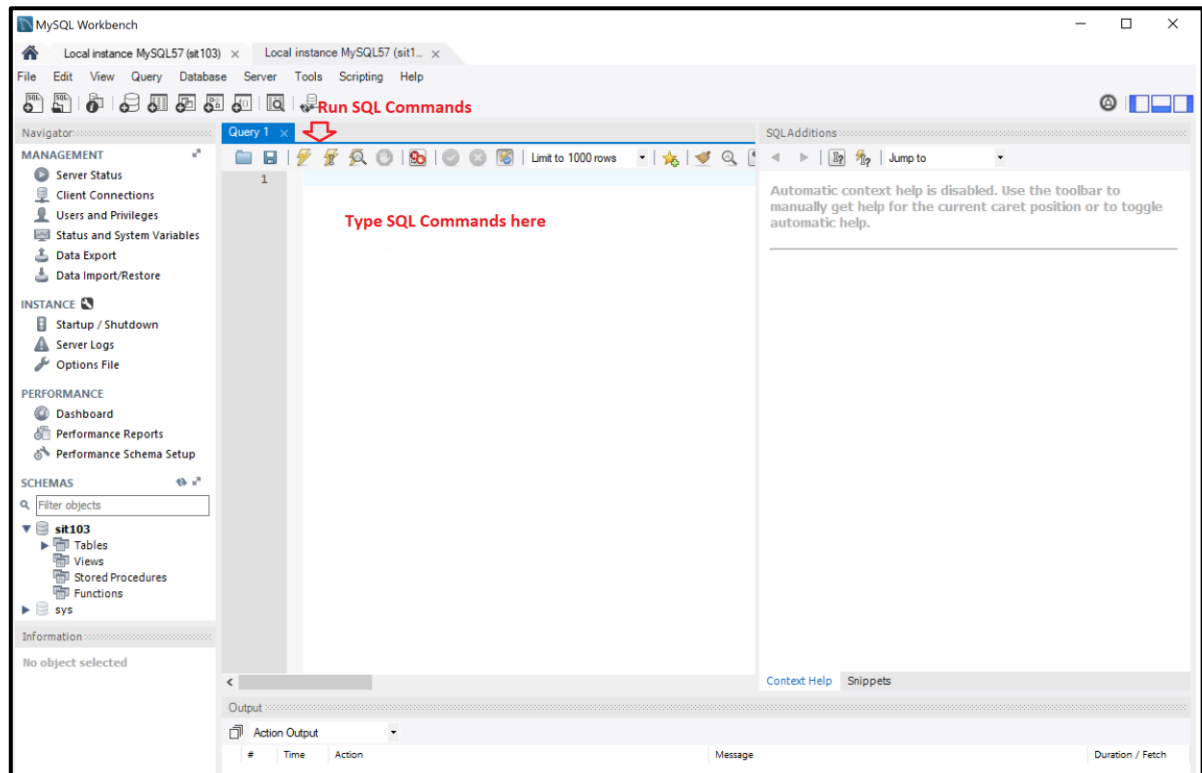
You can use the details to establish a new connection via MySQL Workbench.



You can find more help on self-service Databases at [https://help.deakin.edu.au/ithelp?id=it\\_kb\\_article&sys\\_id=183786e31b674d10456143bdcc4bcbee](https://help.deakin.edu.au/ithelp?id=it_kb_article&sys_id=183786e31b674d10456143bdcc4bcbee)

## Using MySQL Database

Open MySQL Workbench and click on the connection setup earlier.



Try following SQL Commands:

```
create database SIT103;
show databases;
use SIT103;
show tables;
create table student_test (ID int primary key, Name varchar(25));
show tables;
desc student_test;
insert into student_test values (1234, 'Peter John');
select * from student_test;
```

## Submission Details

Submit a **screenshot of your entire MySQL Workbench window** after executing the final SQL command `select * from student_test;`

## Submission Due

The due for each task has been stated via its OnTrack task information dashboard.