

FPP Lesson-13 Setup and Usage Instructions for MySql

MySql Database System: Installation.

1. From Sakai, go to Resources\DemoCode\lesson13. Download `mysql-noinstall-5.1.63-win32.zip` and copy it to the top level of either C drive or D drive into your machine.
2. To install, unzip the zip archive into your C drive (or D drive). The result will be a directory in your C drive (or D drive) named `mysql-noinstall-5.1.63-win32`.
3. Change the name of the folder that was just created in C drive (or D drive) in the following way: Right click and rename it from `mysql-noinstall-5.1.63-win32` to `mysql`.

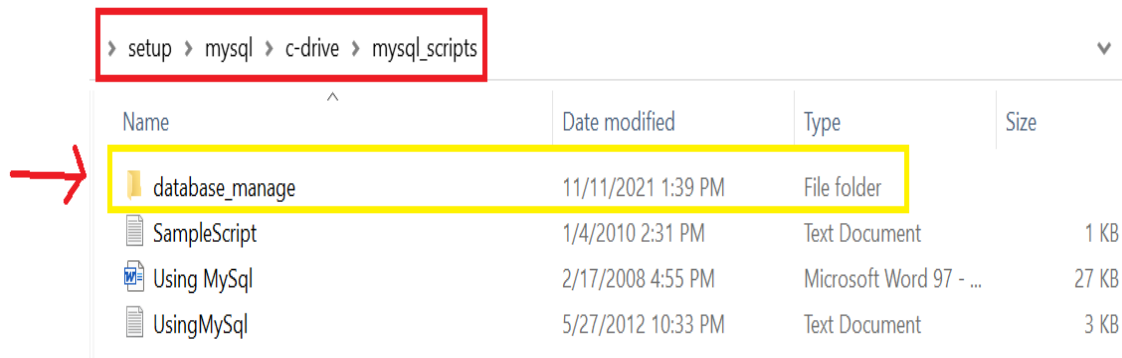
IMPORTANT: In order for the scripts for the course to work properly, you *must* change the name of this directory in this way.

After this simple installation and name change, you should see a directory structure like this (if you installed on C drive):

```
C:
- mysql
  bin
  data
  Docs
  Embedded
  include
  lib
  mysql-test
  scripts
  share
  sql-bench
```

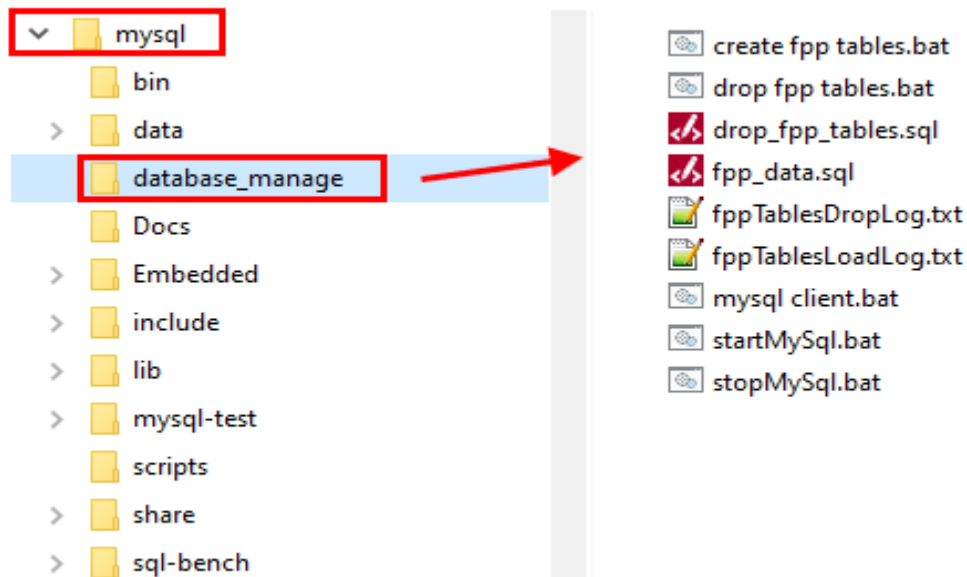
MySql Database System: Loading Data for the Course.

1. In the Resources\DemoCode\lesson13\setup folder in Sakai, you will find zip files called `c-drive` and `d-drive`. If you installed `mysql` on C: drive, download `c-drive.zip`; otherwise download `d-drive.zip`. (For this demo, I will assume you are using C drive).
2. Unzipping `c-drive.zip`, look inside `c-drive` folder and find a directory called *database_manage from c-drive\mysql_scripts*. This directory contains database scripts for the course. See the screenshot below for the better understanding.



Copy the database_manage directory into your C:\mysql directory. Scripts are designed to find the executables and utilities in the mysql package if you place database_manage at this top level within the mysql directory.

After copying, your directory structure should look something like this:



3. *Test the installation.* Inside mysql\database_manage, double click the startMySQL.bat file. This should start the MySQL DBMS server. A console window should come up that looks like the following:

```
C:\WINDOWS\system32\cmd.exe
C:\mysql\database_manage>C:\mysql\bin\mysqld --console
120712 19:02:58 [Note] Plugin 'FEDERATED' is disabled.
120712 19:02:58 InnoDB: Initializing buffer pool, size = 8.0M
120712 19:02:58 InnoDB: Completed initialization of buffer pool
InnoDB: The log sequence number in ibdata files does not match
InnoDB: the log sequence number in the ib_logfiles!
120712 19:02:58 InnoDB: Database was not shut down normally!
InnoDB: Starting crash recovery.
InnoDB: Reading tablespace information from the .ibd files...
InnoDB: Restoring possible half-written data pages from the doublewrite
InnoDB: buffer...
120712 19:02:59 InnoDB: Started; log sequence number 0 56444
120712 19:02:59 [Note] Event Scheduler: Loaded 0 events
120712 19:02:59 [Note] C:\mysql\bin\mysqld: ready for connections.
Version: '5.1.63-community' socket: '' port: 3306 MySQL Community Server (GPL)
```

4. *Load the data.* After your server has started, load the tables for this course.
 - a. Double-click the file `create fpp tables.bat` in `mysql\database_manage`. This script loads two tables: Person and Address.
5. *Verifying the data.* The data for the course project has now been loaded. You can check that two databases have been added by running the MySQL client:

Double-click `mysql client.bat`. At the prompt, type
show databases;

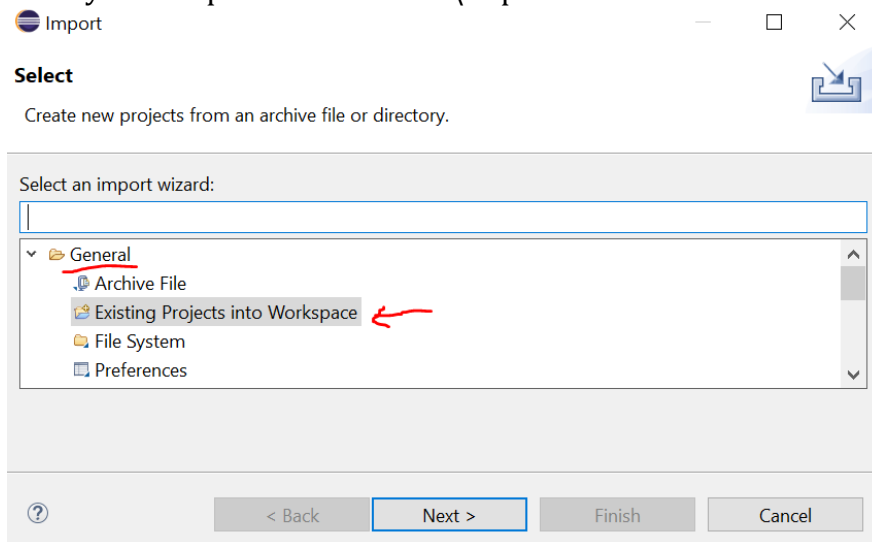
You should see something similar to the following

```
mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| accountsdb |
| fppdb |
| mysql |
| productsdb |
| test |
| waa_db |
+-----+
7 rows in set (0.08 sec)
```

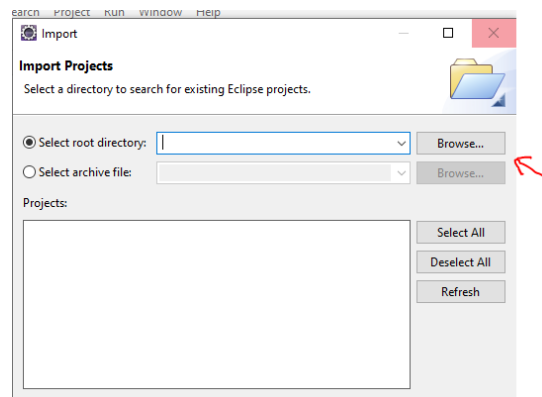
6. When you have finished work on the MySQL server, stop it by double-clicking the file `stopMySQL.bat` in `mysql\database_manage`.

Note: By default, user name is *root* and password is the empty string (i.e. just blank).

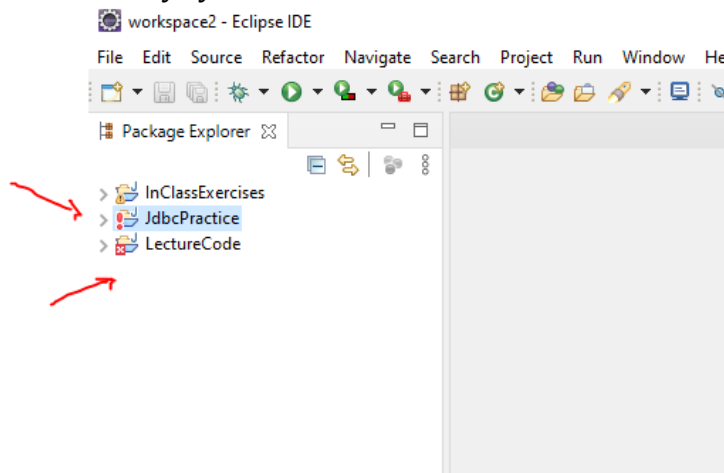
7. Go to your Eclipse IDE. Click File\Import.



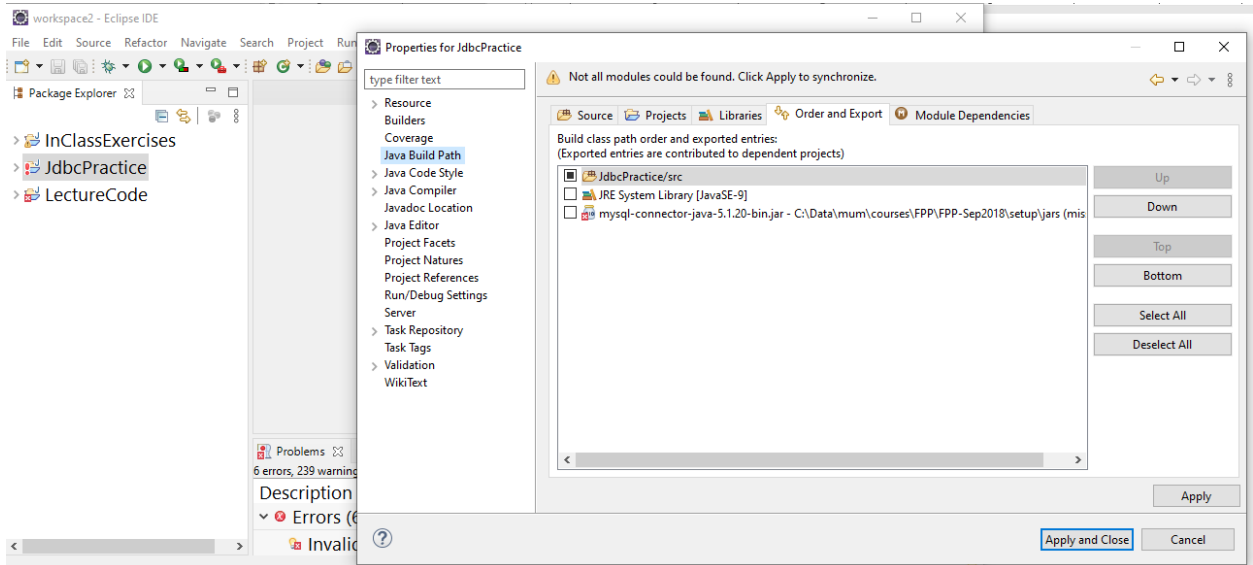
Click Browse, just click "Select Folder", where you download the JdbcPractice project from lesson13.



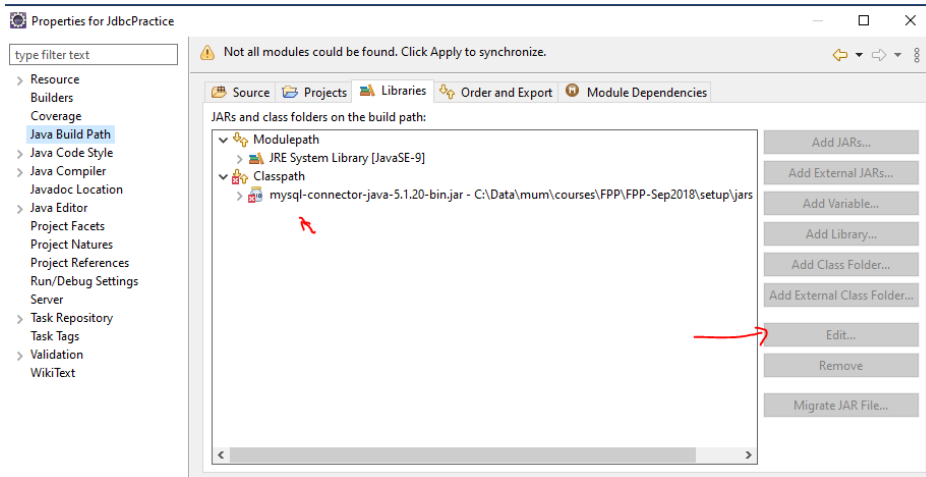
After Importing the JdbcPractice project, You will see something red colored exclamatory symbol like this :



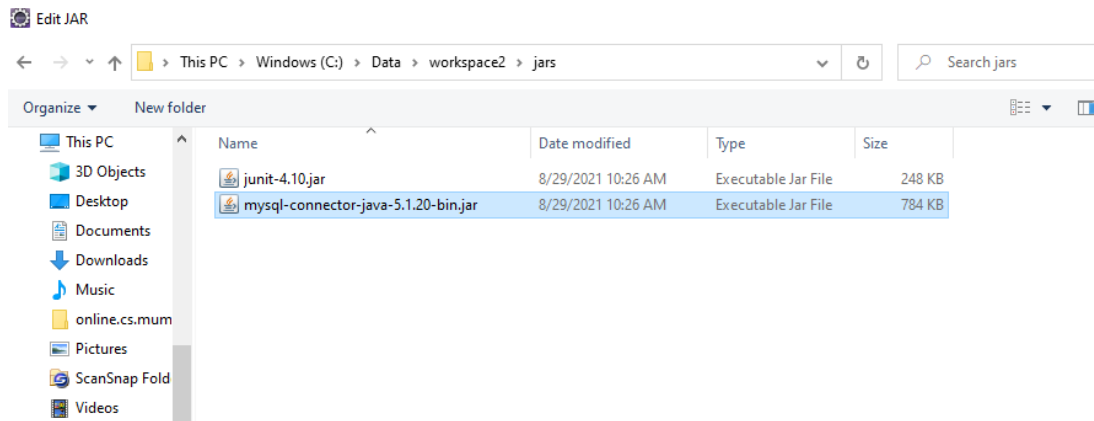
The red marking on JdbcPractice indicates that you need to add a jar file to that project – we do that next.
Right click on JdbcPractice project and select Properties. Pick Java Build Path.
You will see:



Select Libraries. You will probably see my-sql-connector marked in red. Click the Edit button at the right



Then navigate to your jars folder in the DemoCode\lesson13 folder and select the mysql-connector-jar file that you see there.



The red marking should disappear. Click Apply and Close. JdbcPractice project should be free of red marks.

