

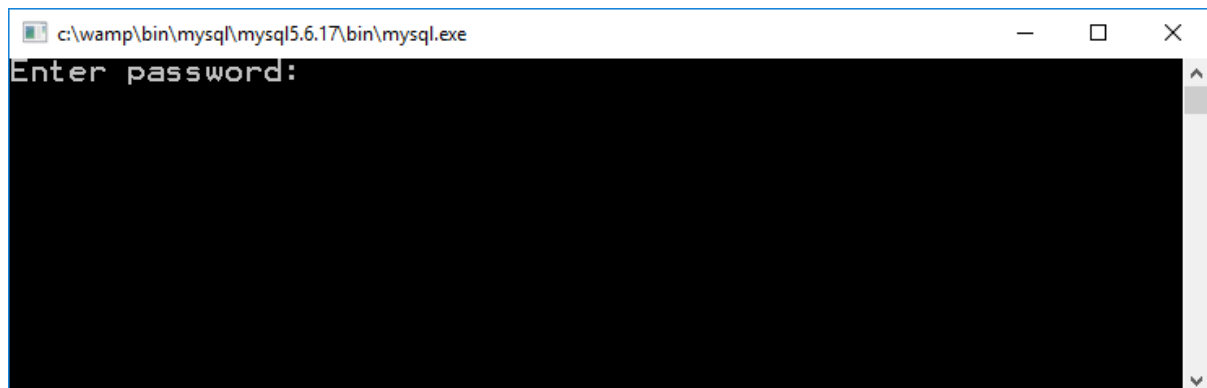
## Running the Restaurant Booking System

Install WAMP server (so that we can use MySQL)

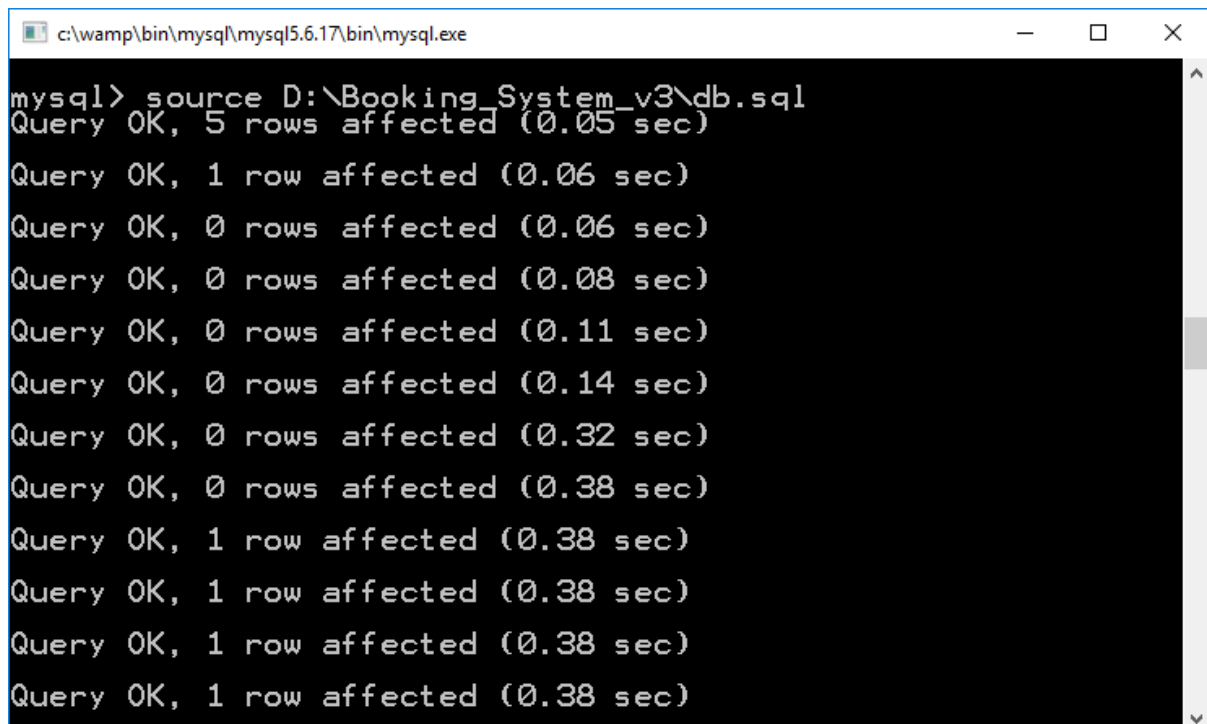
Unzip Booking\_System\_v3.zip into the root level of your memory stick or network drive. Make sure that the folder **Booking\_system\_v3** is in D:\ or whichever drive you unzipped it to.

### Using MySQL console to create the database

Open a MySQL console and enter password (just press enter)



Run the db.sql script which creates the **booksys** database and its tables.



This ought to create the database **booksys** and its tables. Try the following Sql commands to check that is so.

```
c:\wamp\bin\mysql\mysql5.6.17\bin\mysql.exe

mysql> use booksys;
Database changed
mysql> show tables;
+-----+
| Tables_in_booksys |
+-----+
| customer          |
| oid               |
| reservation       |
| table             |
| walkin            |
+-----+
5 rows in set (0.00 sec)

mysql> show columns from reservation;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| oid   | int(11) | NO | PRI | NULL |      |
| covers | int(11) | YES |      | NULL |      |
| date  | date   | YES |      | NULL |      |
| time  | time   | YES |      | NULL |      |
| table_id | int(11) | YES |      | NULL |      |
| customer_id | int(11) | YES |      | NULL |      |
| arrivalTime | time   | YES |      | NULL |      |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.02 sec)

mysql> _
```

## Compile and Run Program

Open a Windows command prompt window (or a terminal window in OS X). Navigate to the unzipped folder and compile the code as shown next.

```
Command Prompt

Microsoft Windows [Version 10.0.17134.590]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\Richard>d:

D:\>cd Booking_System_v3

D:\Booking_System_v3>javac booksys/presentation/BookingSystemApp.java
Note: Some input files use or override a deprecated API.
Note: Recompile with -Xlint:deprecation for details.
Note: Some input files use unchecked or unsafe operations.
Note: Recompile with -Xlint:unchecked for details.

D:\Booking_System_v3>
```

You should now check to see if all the java files have been compiled.

Then run the program with:

```
Command Prompt - java -classpath .;mysql-connector-java-8.0.19.jar booksys.presentation.BookingSystemApp
D:\>cd Booking_System_v3
D:\Booking_System_v3>java -classpath .;mysql-connector-java-8.0.19.jar booksys.presentation.BookingSystemApp
Successfully opened properties file
JPanel dimension is java.awt.Dimension[width=770,height=400]
```

It is essential to get the classpath option correct here. -classpath tells the Java virtual machine where to find compiled files. The JDBC driver is in the **jar** file.

Also, in booksys.properties, the port for mySql has been set to 3308. This may be unnecessary, it is required in my installation of WAMP as MariaDB has taken the port 3306.

If this work, you will get a Java GUI window (a JFrame) like:

Restaurant Booking System												
File Date Booking												
2019-02-20												
18:00 18:30 19:00 19:30 20:00 20:30 21:00 21:30 22:00 22:30 23:00 23:30												
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												

Now it is running, you can execute the various use cases and use MySQL console to see if the database tables are affected.