Setting up a Database Source in IntelliJ

Using SimpleAffableBean


Ant Build
Database
Memory View
Maven Projects
Click the database view
Create a data source with ^N
Database

Data Sources and Drivers

Project Data Sources

@localhost

Drivers

DB2 (JTOpen)
DB2 (LUW)
Derby (Embedded)
Derby (Remote)
H2
HSQLDB (Local)
HSQLDB (Remote)
MySQL
Oracle
PostgreSQL
SQL Server (jTds)
SQL Server (Microsoft)
Sqlite (Xerial)
Sybase (jTds)
Sybase (Native)

Problems

Name: @localhost

Reset

General | SSH/SSL | Options | Advanced

Host: localhost

Port: 3306

Database:

User:

Password: <hidden>

Remember password

URL: jdbc:mysql://localhost:3306

default

Overrides settings above

Test Connection

Driver: MySQL

This data sources dialog comes up.
You can tell IntelliJ about your running mysql databases and run queries inside IntelliJ.

This is very useful for quick debugging.

no objects

Read-only Auto commit Auto sync

Cancel Apply OK

Data Sources and Drivers

Project Data Sources

@localhost

Drivers

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Problems

Name: MySQL

Settings | Advanced

Class: com.mysql.jdbc.Driver

Dialect: MySQL

Auto commit Auto sync

JDBC drivers

Use provided driver MySQL Connector/J [latest]

Additional:

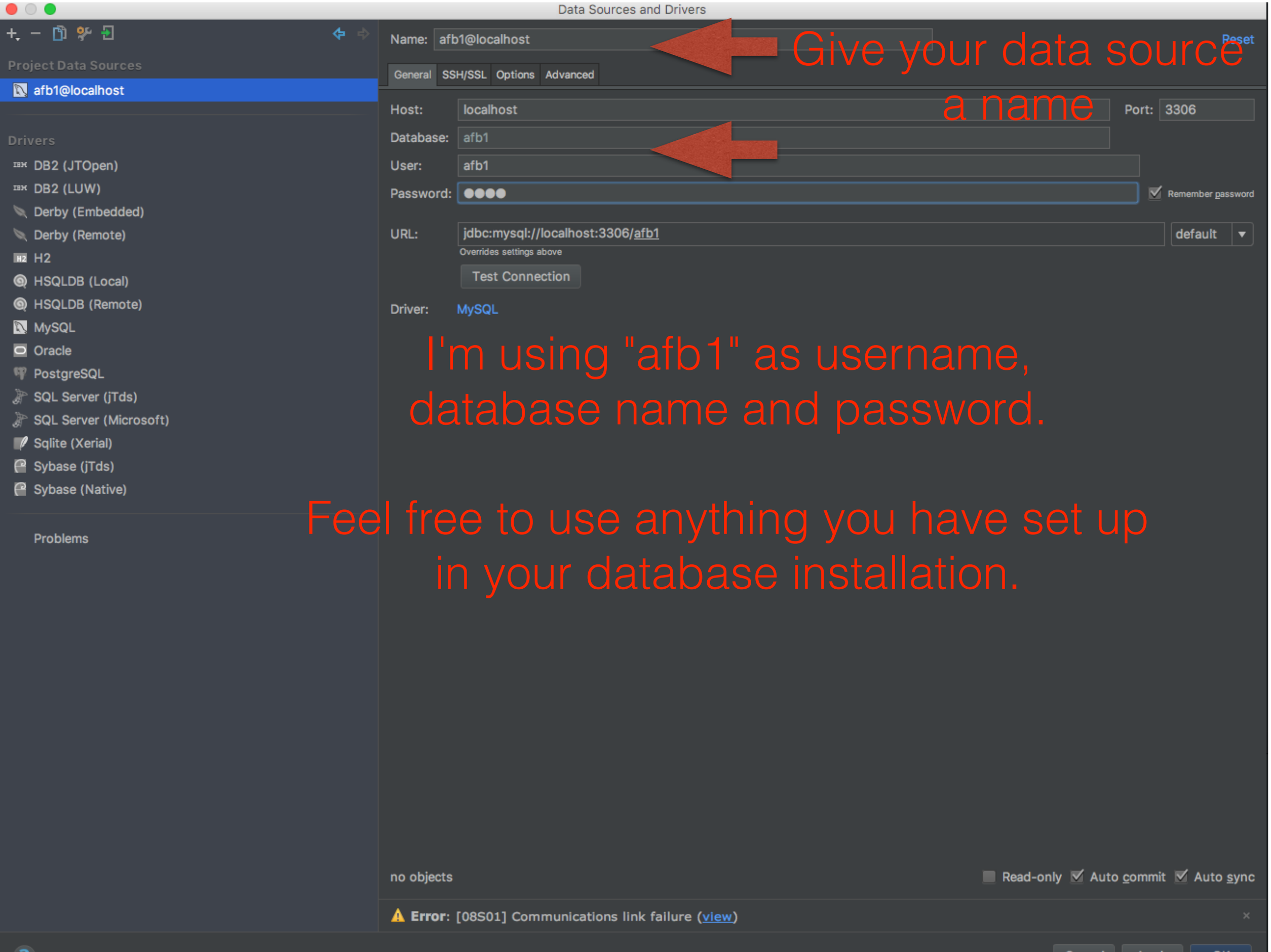
/Users/satkinson/Library/Preferences/IntelliJIdea2016.3/jdbc-drivers/jdbc-drivers.xml

You can double-check which driver IntelliJ is using, by choosing the MySQL driver.
I just use the internally chosen driver here since we are really just debugging using IntelliJ.
Nothing needs to change.

URL templates

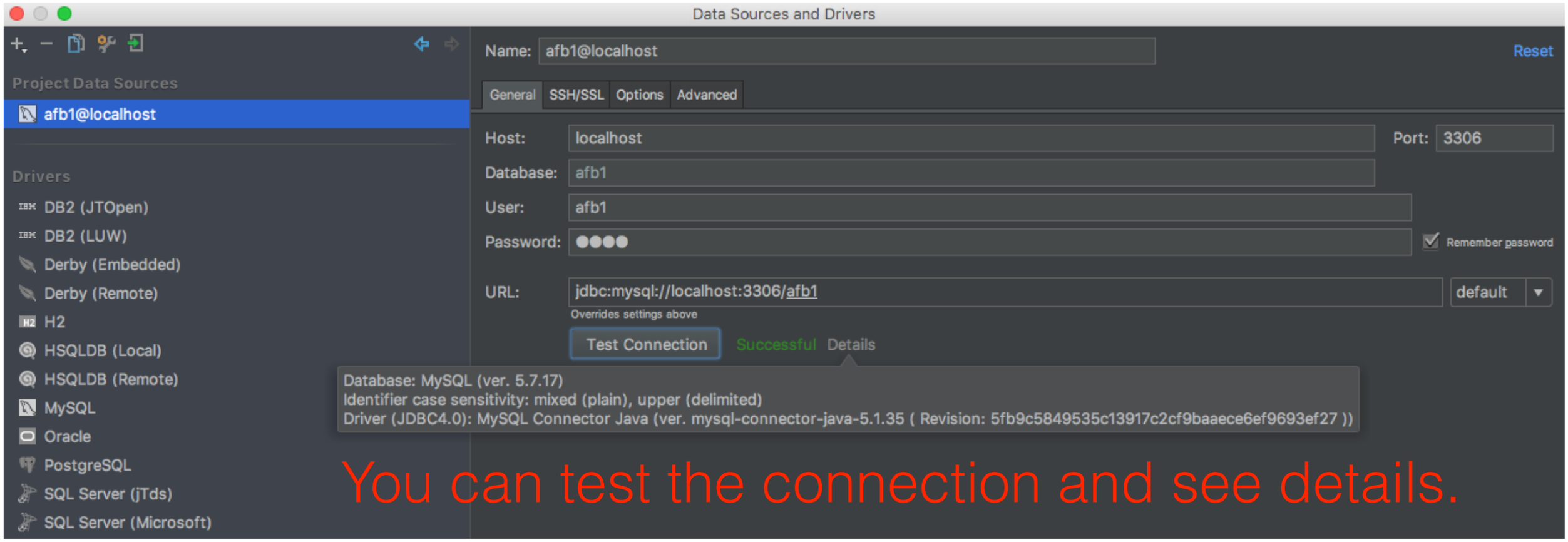
Name	Template
default	jdbc:mysql://{host::localhost}?[:{port::3306}][/{database}?][\?<&,user={user},password={password},{:identifier}={:identifier...
default	jdbc:mysql://address=\(protocol=tcp\)\(<\)\(,host={host:host_ipv6:localhost},port={port::3306},user={user},password={pa...

Cancel Apply OK


Data Sources and Drivers
Project Data Sources
afb1@localhost
Drivers
DB2 (JTOpen)
DB2 (LUW)
Derby (Embedded)
Derby (Remote)
H2
HSQLDB (Local)
HSQLDB (Remote)
MySQL
Oracle
PostgreSQL
SQL Server (jTds)
SQL Server (Microsoft)
Sqlite (Xerial)
Sybase (jTds)
Sybase (Native)
Problems
Name: afb1@localhost
Reset
General
SSH/SSL
Options
Advanced
Host: localhost
Port: 3306
Database: afb1
User: afb1
Password:
Remember password
URL: jdbc:mysql://localhost:3306/afb1
default
Overrides settings above
Test Connection
Driver: MySQL
Give your data source a name
I'm using "afb1" as username, database name and password.
Feel free to use anything you have set up in your database installation.
no objects
Read-only
Auto commit
Auto sync
Error: [08S01] Communications link failure (view)

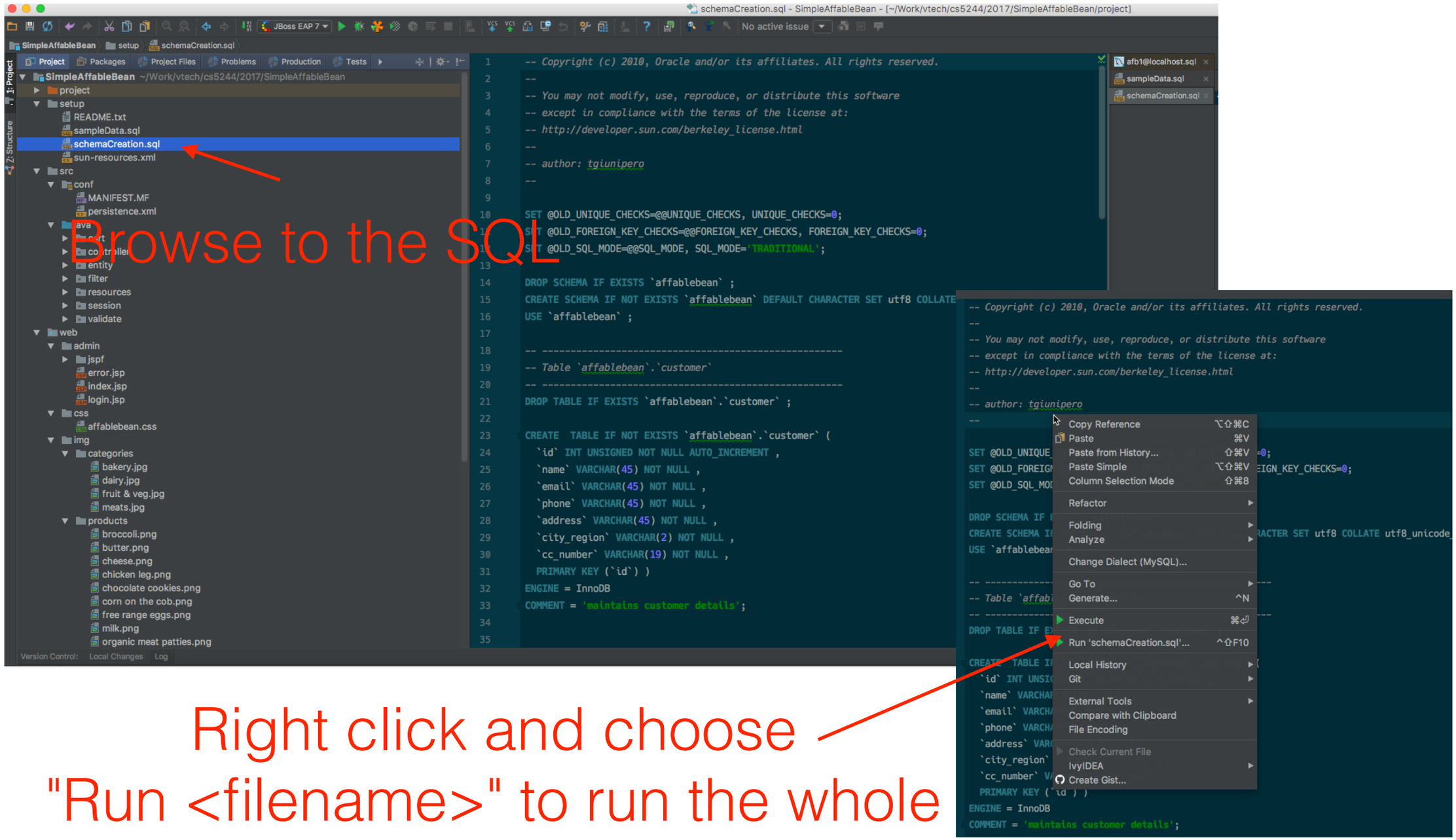
```
$ mysql.server start
```

Don't forget to run the database!



You can test the connection and see details.

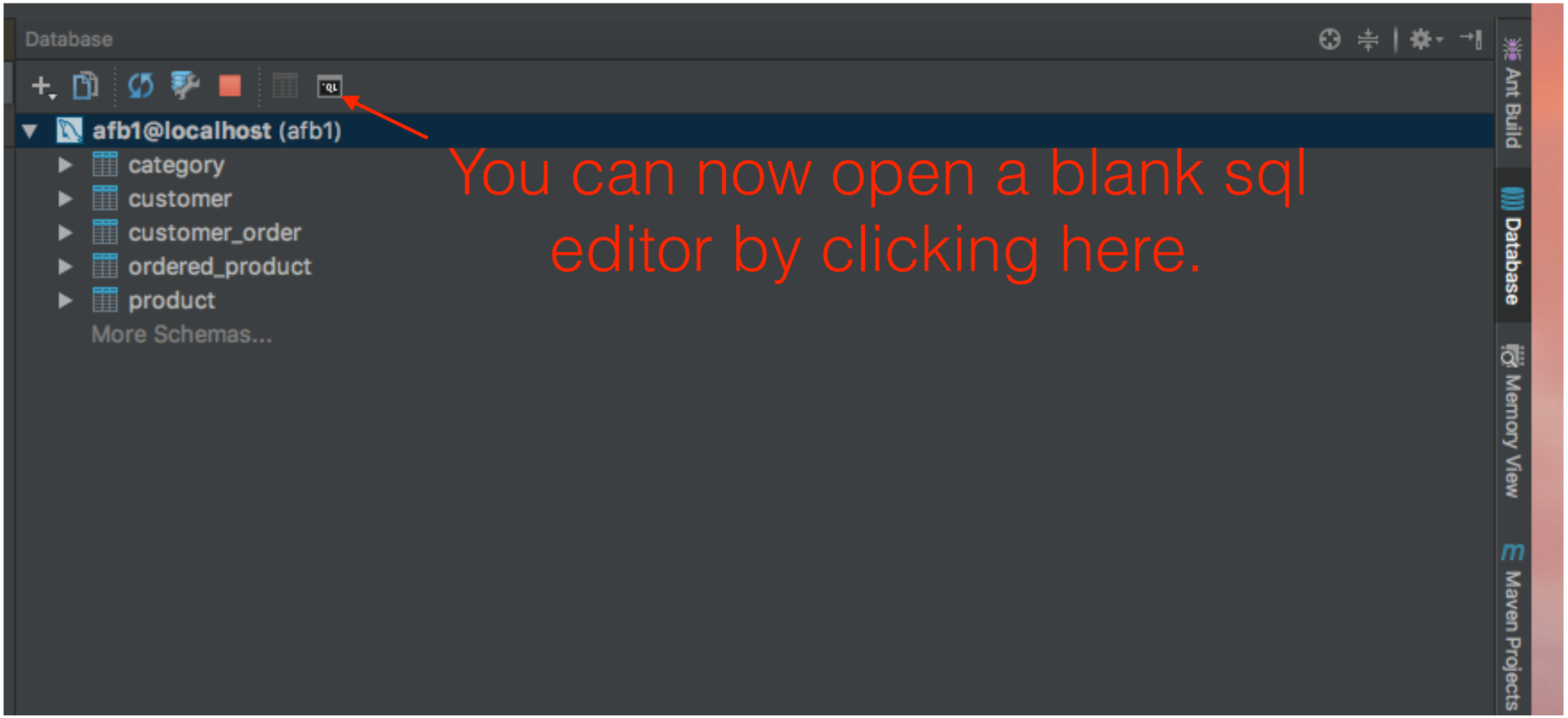
Now you can execute the schemaCreation.sql included in the project right from IntelliJ!



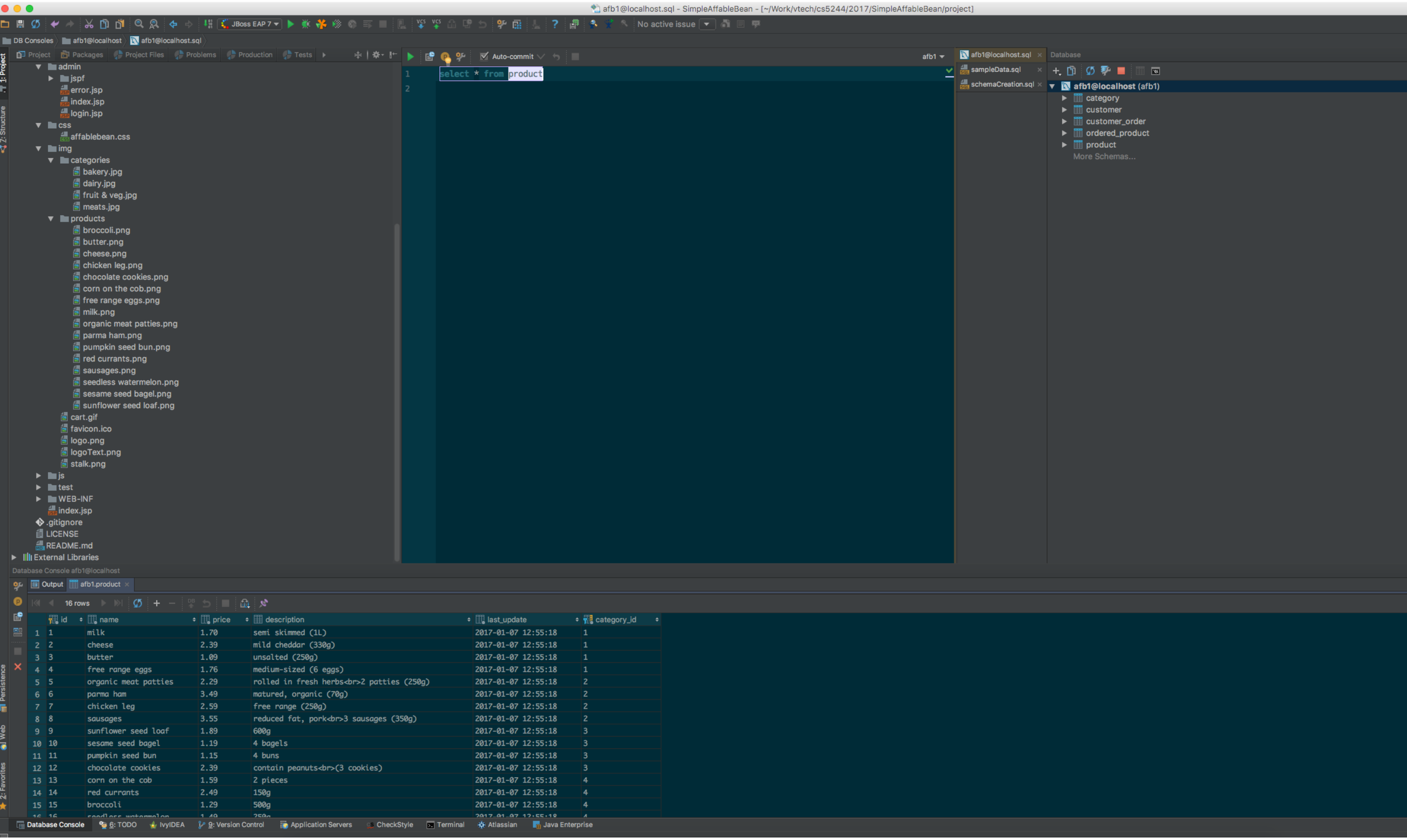
Right click and choose "Run <filename>" to run the whole file at once.

Do this for the schema creation, then for the sample data.

Your SQL schema (tables) should now show up in the database view.



You can run a query (or update) and see results in IntelliJ below in the IDE itself. Very useful.



	id	name	price	description	last_update	category_id
1	1	milk	1.70	semi skimmed (1L)	2017-01-07 12:55:18	1
2	2	cheese	2.39	mild cheddar (330g)	2017-01-07 12:55:18	1
3	3	butter	1.09	unsalted (250g)	2017-01-07 12:55:18	1
4	4	free range eggs	1.76	medium-sized (6 eggs)	2017-01-07 12:55:18	1
5	5	organic meat patties	2.29	rolled in fresh herbs 2 patties (250g)	2017-01-07 12:55:18	2
6	6	parma ham	3.49	matured, organic (70g)	2017-01-07 12:55:18	2
7	7	chicken leg	2.59	free range (250g)	2017-01-07 12:55:18	2
8	8	sausages	3.55	reduced fat, pork 3 sausages (350g)	2017-01-07 12:55:18	2
9	9	sunflower seed loaf	1.89	600g	2017-01-07 12:55:18	3
10	10	sesame seed bagel	1.19	4 bagels	2017-01-07 12:55:18	3
11	11	pumpkin seed bun	1.15	4 buns	2017-01-07 12:55:18	3
12	12	chocolate cookies	2.39	contain peanuts (3 cookies)	2017-01-07 12:55:18	3
13	13	corn on the cob	1.59	2 pieces	2017-01-07 12:55:18	4
14	14	red currants	2.49	150g	2017-01-07 12:55:18	4
15	15	broccoli	1.29	500g	2017-01-07 12:55:18	4

Happy SQL hacking!