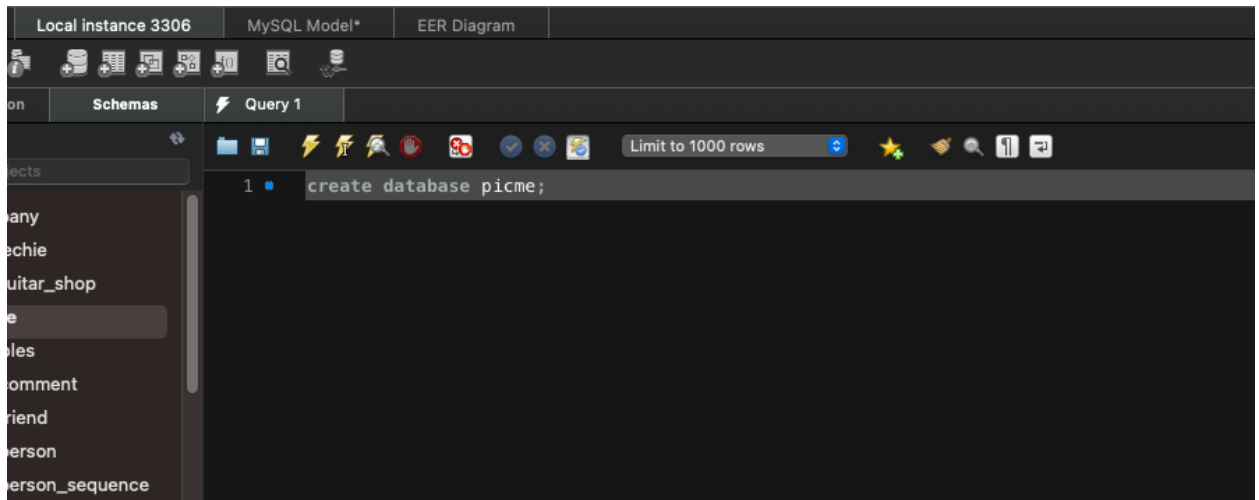
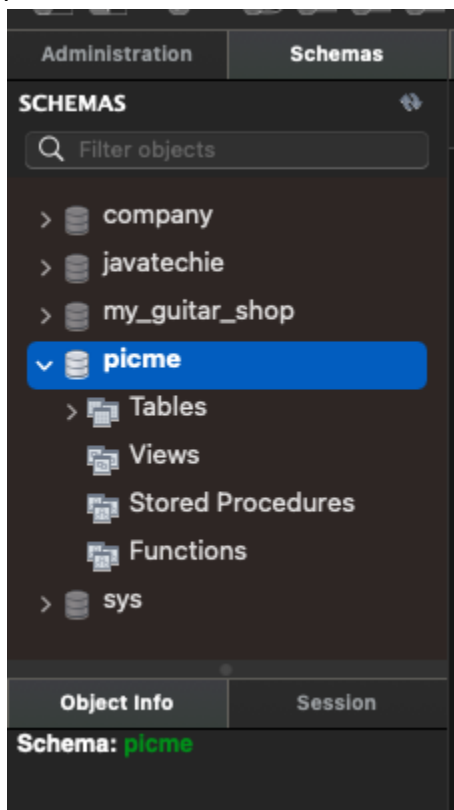


1. **Create the database in MySQL workbench:**

- Open MySQL workbench and click on the local instance.
- Write the following code into MySQL and click the lightning bolt.

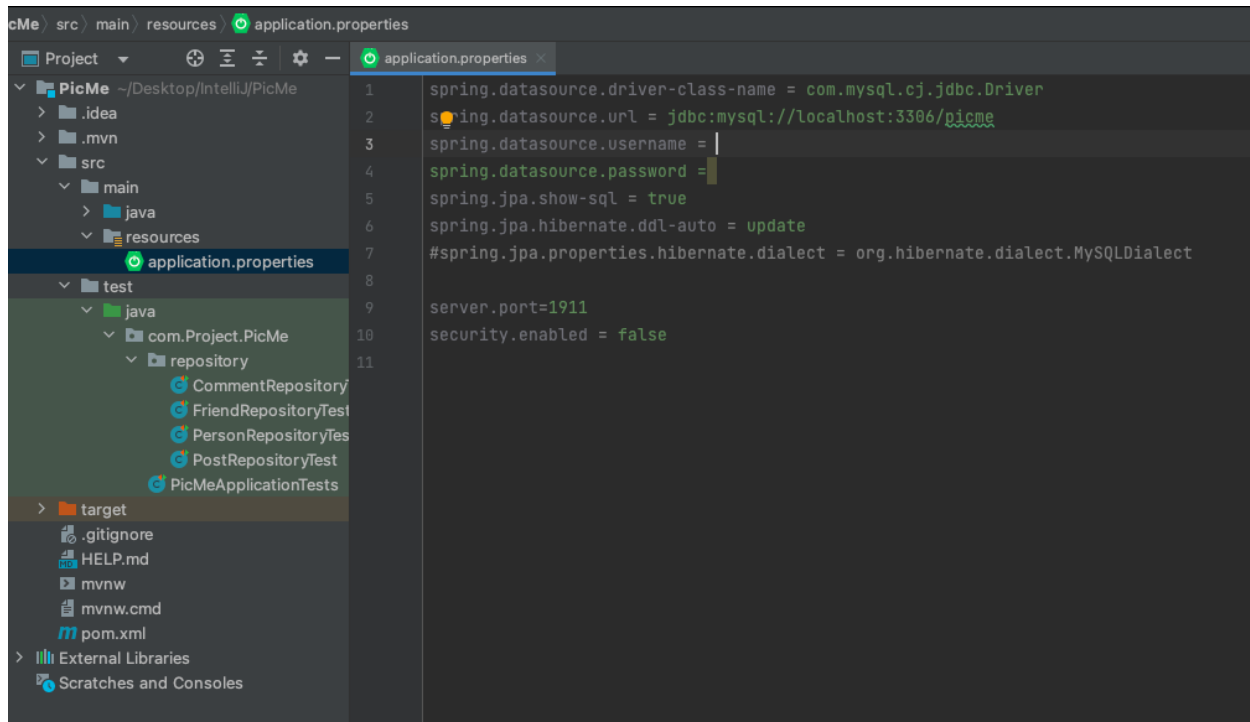


2. Then click on the refresh icon under the Schemas tab to see the new schema in the side panel.



### 3. Open IntelliJ and load up the PicMe project:

- Navigate to the application.properties file:  
(PicMe → src → main → resources)



- Take note of the localhost port 3306. **If yours is different you will need to change that part but 3306 is the default.**
- After that is the “picme”, which is the name of the database we created earlier. Replace whatever word is there with “picme”

```
spring.datasource.url = jdbc:mysql://localhost:3306/picme
```

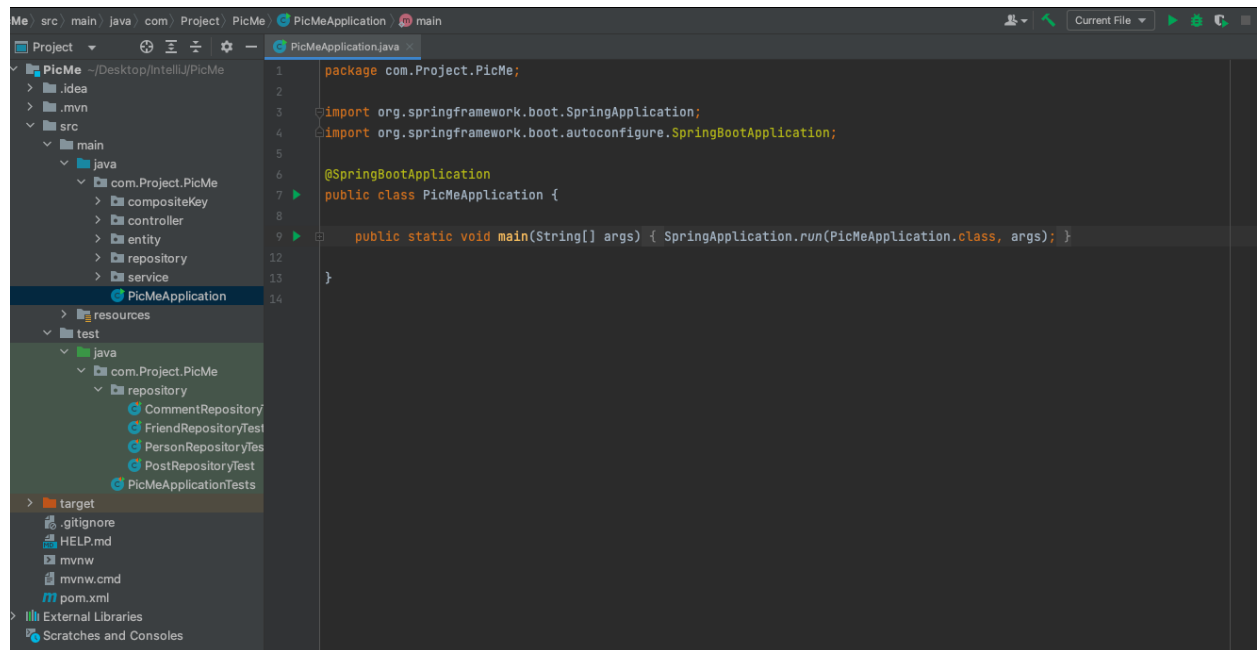
- After that is the username and password that you use for MySQL. You will have to enter your own username and password into the fields.

```
spring.datasource.username =  
spring.datasource.password =
```

```
spring.datasource.username = username  
spring.datasource.password = password
```

- After this step, you are done with setting up the link between the PicMe project and the database.

- Now navigate to the PicMeApplication.java file and run it (PicMe → src → main → PicMeApplication)

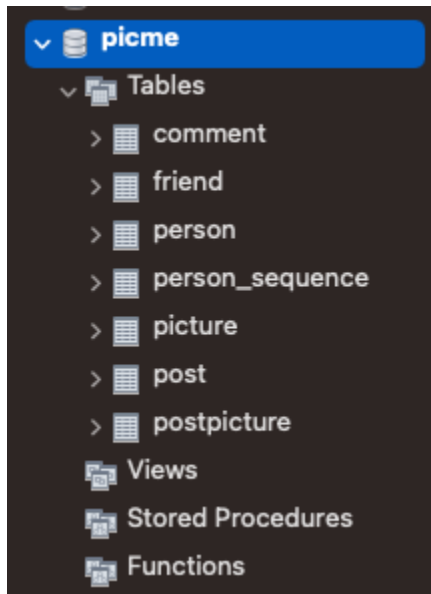


- It may take a while to start, but when it does finish the output to the console should look like this:

[illegible]

- You should see all of the SQL statements that were sent to the database.
- If you see a bunch of errors, something has gone wrong and you will have to troubleshoot as there could be multiple reasons for it.

5. Return to the MySQL workbench pic me schema and use the refresh icon once again to see the changes in the database:
  - Click on the drop-down menu for tables and you should now see all of the tables loaded in.



6. Load test users into the database:

- Go back to the PicMe project and navigate to the PersonRepositoryTest class.  
(PicMe → src → test → Java → com.Project.PicMe → repository → PersonRepository)
- Scroll down until you see the loadPeopleIntoDb test function. Click on the green play button to run it.

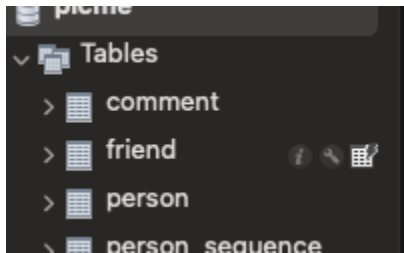
```
62      @Test
63      public void loadPeopleIntoDb(){
64          List<Person> people = new ArrayList<>();
65          people.add(
66              Person.builder()
67                  .fname("Jake")
68                  .lname("Emerson")
69                  .email("EmersonJ@Icloud.com")
70                  .date("05/25/2001")
71                  .username("JakeByTheLake")
72                  .password("password")
73                  .build()
74          );
75          people.add(
76              Person.builder()
77                  .fname("Cade")
78                  .lname("Duboi")
79                  .email("DuboiC@Icloud.com")
80                  .date("08/10/1998")
81                  .username("CadeCascade")
82                  .password("password")
83                  .build()
84          );
85      }
```

- You will see similar console output as before then these SQL statements should flash out to the console.

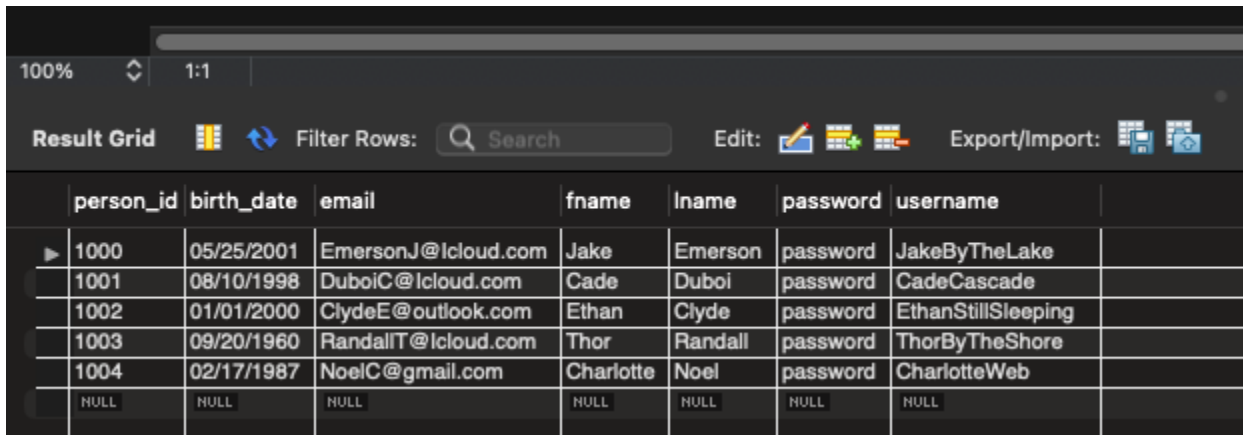
```
Hibernate: select next_val as id_val from person_sequence for update
Hibernate: update person_sequence set next_val= ? where next_val=?
Hibernate: select next_val as id_val from person_sequence for update
Hibernate: update person_sequence set next_val= ? where next_val=?
Hibernate: select next_val as id_val from person_sequence for update
Hibernate: update person_sequence set next_val= ? where next_val=?
Hibernate: select next_val as id_val from person_sequence for update
Hibernate: update person_sequence set next_val= ? where next_val=?
Hibernate: select next_val as id_val from person_sequence for update
Hibernate: update person_sequence set next_val= ? where next_val=?
Hibernate: insert into person (birth_date, email, fname, lname, password, username, person_id) values (?, ?, ?, ?, ?, ?, ?)
Hibernate: insert into person (birth_date, email, fname, lname, password, username, person_id) values (?, ?, ?, ?, ?, ?, ?)
Hibernate: insert into person (birth_date, email, fname, lname, password, username, person_id) values (?, ?, ?, ?, ?, ?, ?)
Hibernate: insert into person (birth_date, email, fname, lname, password, username, person_id) values (?, ?, ?, ?, ?, ?, ?)
Hibernate: insert into person (birth_date, email, fname, lname, password, username, person_id) values (?, ?, ?, ?, ?, ?, ?)
```

7. View changes in the database:

- Open back up MySQL workbench and find the person table. Hover over it and click on the gridded box icon.



- The data in the table should show on the bottom of the screen.

A screenshot of the MySQL Workbench 'Result Grid' showing the data for the 'person' table. The grid has columns for person\_id, birth\_date, email, fname, lname, password, and username. The data is displayed in a table format with a dark background.

	person_id	birth_date	email	fname	lname	password	username
▶	1000	05/25/2001	EmersonJ@lcloud.com	Jake	Emerson	password	JakeByTheLake
▶	1001	08/10/1998	DuboiC@lcloud.com	Cade	Duboi	password	CadeCascade
▶	1002	01/01/2000	ClydeE@outlook.com	Ethan	Clyde	password	EthanStillSleeping
▶	1003	09/20/1960	RandalIT@lcloud.com	Thor	Randall	password	ThorByTheShore
▶	1004	02/17/1987	NoelC@gmail.com	Charlotte	Noel	password	CharlotteWeb
▶	NULL	NULL	NULL	NULL	NULL	NULL	NULL

As of the time that I'm making this the PersonRepositoryTest is the only test class that can load in multiple tuples. However, the other RepositoryTest classes have functions to load in single entities at a time.