Fundamentos de Programación 2 – Fase 03 – Practica 02

Base de datos MySQL

$ sudo mysql

mysql>

mysql> show databases;
```
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
```
4 rows in set (0,00 sec)

mysql> create database fp2_23b;
Query OK, 1 row affected (0,05 sec)

mysql> create user fp2_23b@localhost identified by "12345678";
Query OK, 0 rows affected (0,05 sec)

mysql> grant all privileges on fp2_23b.* to fp2_23b@localhost;
Query OK, 0 rows affected (0,05 sec)

mysql> flush privileges;
Query OK, 0 rows affected (0,04 sec)

mysql> show databases;
```
+--------------------+
| Database           |
+--------------------+
| fp2_23b            |
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
```
5 rows in set (0,00 sec)

mysql> exit;
Bye

```
richart@nel:~$ mysql -u fp2_23b -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 9
Server version: 8.0.35-0ubuntu0.23.10.1 (Ubuntu)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql>

mysql> use fp2_23b;
Database changed

mysql> show tables;
Empty set (0,00 sec)
```

$ wget https://raw.githubusercontent.com/gregory-bien-aime/pet-clinic/master/src/main/resources/db/mysql/schema.sql

$ wget https://raw.githubusercontent.com/gregory-bien-aime/pet-clinic/master/src/main/resources/db/mysql/data.sql

```
 1  CREATE DATABASE IF NOT EXISTS fp2_23b;
 2
 3  ALTER DATABASE fp2_23b
 4    DEFAULT CHARACTER SET utf8
 5    DEFAULT COLLATE utf8_general_ci;
 6
 7  -- GRANT ALL PRIVILEGES ON fp2_23b.* TO fp2_23b@localhost IDENTIFIED BY '12345678';
 8
 9  USE fp2_23b;
10
11  CREATE TABLE IF NOT EXISTS vets (
12    id INT(4) UNSIGNED NOT NULL AUTO_INCREMENT PRIMARY KEY,
13    first_name VARCHAR(30),
14    last_name VARCHAR(30),
15    INDEX(last_name)
16  ) engine=InnoDB;
17
18  CREATE TABLE IF NOT EXISTS specialties (
19    id INT(4) UNSIGNED NOT NULL AUTO_INCREMENT PRIMARY KEY
```

$ mysql -u fp2_23b -D fp2_23b -p < schema.sql
Enter password:

$ mysql -u fp2_23b -D fp2_23b -p < data.sql
Enter password:

$ mysql -u fp2_23b -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 13
Server version: 8.0.35-0ubuntu0.23.10.1 (Ubuntu)

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

Mysql>

mysql> use fp2_23b;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql>

```
mysql> show tables;
+------------------+
| Tables_in_fp2_23b |
+------------------+
| owners           |
| pets             |
| specialties      |
| types            |
| vet_specialties  |
| vets             |
| visits           |
+------------------+
7 rows in set (0,00 sec)

mysql> select * from pets;
+----+----------+------------+---------+----------+
| id | name     | birth_date | type_id | owner_id |
+----+----------+------------+---------+----------+
|  1 | Leo      | 2000-09-07 |       1 |        1 |
|  2 | Basil    | 2002-08-06 |       6 |        2 |
|  3 | Rosy     | 2001-04-17 |       2 |        3 |
|  4 | Jewel    | 2000-03-07 |       2 |        3 |
|  5 | Iggy     | 2000-11-30 |       3 |        4 |
|  6 | George   | 2000-01-20 |       4 |        5 |
|  7 | Samantha | 1995-09-04 |       1 |        6 |
|  8 | Max      | 1995-09-04 |       1 |        6 |
|  9 | Lucky    | 1999-08-06 |       5 |        7 |
| 10 | Mulligan | 1997-02-24 |       2 |        8 |
| 11 | Freddy   | 2000-03-09 |       5 |        9 |
| 12 | Lucky    | 2000-06-24 |       2 |       10 |
| 13 | Sly      | 2002-06-08 |       1 |       10 |
+----+----------+------------+---------+----------+
13 rows in set (0,00 sec)

mysql> select first_name,last_name from owners;
+------------+-----------+
| first_name | last_name |
+------------+-----------+
| George     | Franklin  |
| Betty      | Davis     |
| Eduardo    | Rodriquez |
| Harold     | Davis     |
| Peter      | McTavish  |
| Jean       | Coleman   |
| Jeff       | Black     |
| Maria      | Escobito  |
| David      | Schroeder |
| Carlos     | Estaban   |
+------------+-----------+
10 rows in set (0,00 sec)
```
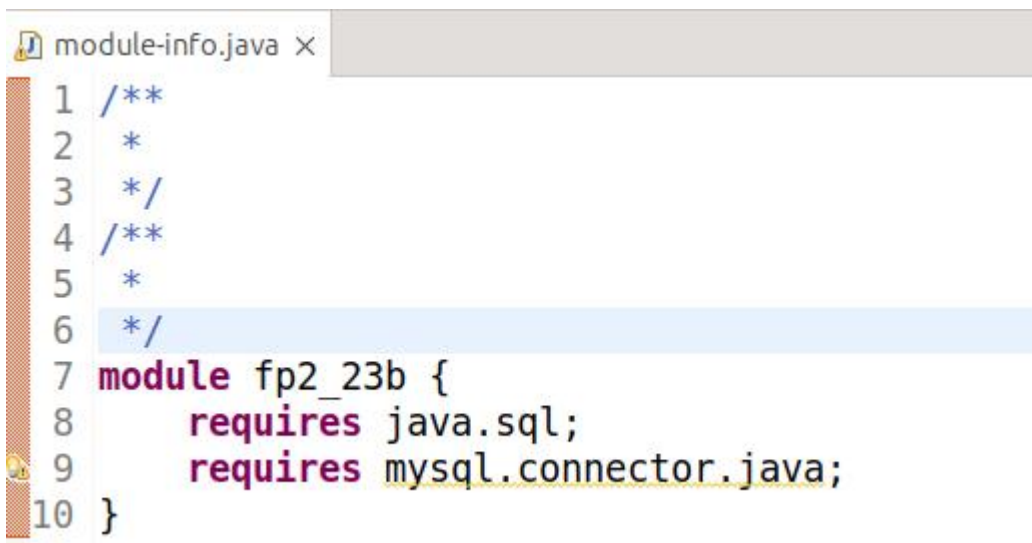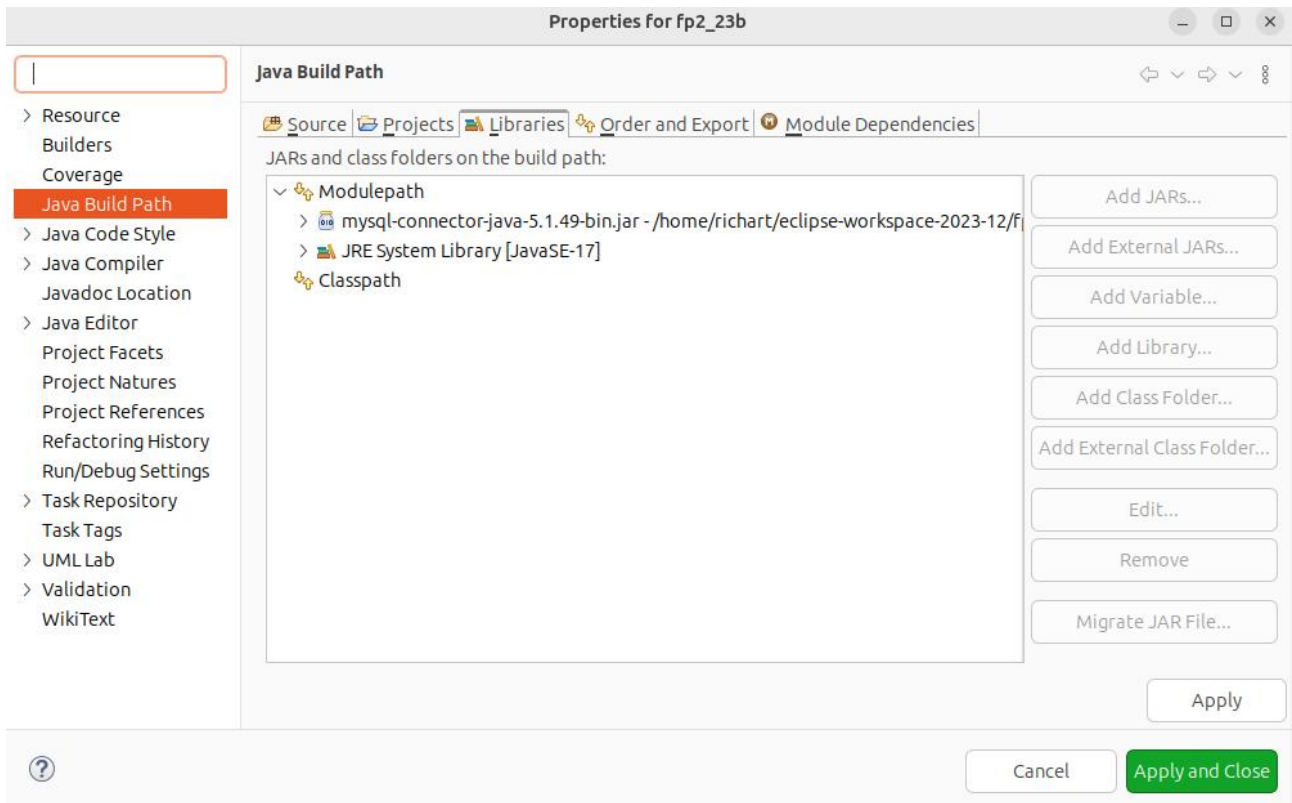
Properties for fp2_23b

Java Build Path

Source | Projects | Libraries | Order and Export | Module Dependencies

JARs and class folders on the build path:

- Modulepath
  - mysql-connector-java-5.1.49-bin.jar - /home/richart/eclipse-workspace-2023-12/f
  - JRE System Library [JavaSE-17]
- Classpath

Buttons:
- Add JARs...
- Add External JARs...
- Add Variable...
- Add Library...
- Add Class Folder...
- Add External Class Folder...
- Edit...
- Remove
- Migrate JAR File...
- Apply

Sidebar:
- Resource
- Builders
- Coverage
- **Java Build Path**
- Java Code Style
- Java Compiler
- Javadoc Location
- Java Editor
- Project Facets
- Project Natures
- Project References
- Refactoring History
- Run/Debug Settings
- Task Repository
- Task Tags
- UML Lab
- Validation
- WikiText

Cancel | Apply and Close

---

module-info.java ×

```
 1  /**
 2   *
 3   */
 4  /**
 5   *
 6   */
 7  module fp2_23b {
 8      requires java.sql;
 9      requires mysql.connector.java;
10  }
```

Properties | Problems | Console × | Error Log

<terminated> Test [Java Application] /home/richart/Descargas/Software/EclipseIDE/eclipse-jee-2023-12-R-linux-gtk-x86_64/eclipse/plugins/org.eclipse.justj.openjdk.hotspot.jre.full.linux.x86_64_17.0.9.v20231028-0858/jre/bin/java (15 ene 2024 13:1:
Mon Jan 15 13:12:13 PET 2024 WARN: Establishing SSL connection without server's identity verification is not recommended. According to MySQL 5.5.45+
Leo
Basil
Rosy
Jewel
Iggy
George
Samantha
Max
Lucky
Mulligan
Freddy
Lucky
Sly

Referencias:

https://github.com/gregory-bien-aime/pet-clinic/blob/master/src/main/resources/db/mysql/schema.sql

https://github.com/gregory-bien-aime/pet-clinic/blob/master/src/main/resources/db/mysql/data.sql

https://dev.mysql.com/downloads/connector/j/

https://github.com/oscarjb1/IntroduccionPatronesDiseno/tree/master