Rachel Shaw

Modules 5 & 6 Assignment 1

6/22/2025

Creating database and table in MySQL command line:

```
mysql> CREATE TABLE rachel_library_data(
-> ID int PRIMARY KEY,
-> Title VARCHAR(25) NOT NULL,
-> AuthorFirst VARCHAR(25) NOT NULL,
-> AuthorLast VARCHAR(25) NOT NULL,
-> Genre VARCHAR(25) NOT NULL,
-> Format VARCHAR(25) NOT NULL
-> );
Query OK, 0 rows affected (0.03 sec)
```

D	Title	AuthorFirst	AuthorLast	Genre	Format
1	Hyperion	Dan	Simmons	Sci-Fi	Audiobook
2	The King In Yelllow	Robert	Chambers	Horror	E-Book
3	The Apothecary Diaries	Natsu	Hyuga	Drama	E-Book
4	Dune	Frank	Herbert	Sci-Fi	E-book
5	Little Women	Louisa	Alcott	Drama	Hardcover
6	Wuthering Heights	Emily	Bronte	Tragedy	Hardcover
7	Ready Player One	Ernest	Cline	Adventure	Paperback
8	Look Back	Tatsuki	Fujimoto	Drama	Paperback
9 j	Circe	Madeline	Miller	Fantasy	Paperback
Θĺ	Fahrenheit 451	Ray	Bradbury	Fiction	Paperback

Connecting to database with JDBC:

```
//Allow connection to database
public Configure() {
    try {
        Class.forName("com.mysql.cj.jdbc.Driver");
        conn = DriverManager.getConnection(url, user, pass);
        stmt = conn.createStatement();
    }
    catch (Exception e) {
        System.out.println(e);
    }
}
```

Dropping and creating table with JDBC: