JAVA SPRING BOOT

ASSIGNMENT-3

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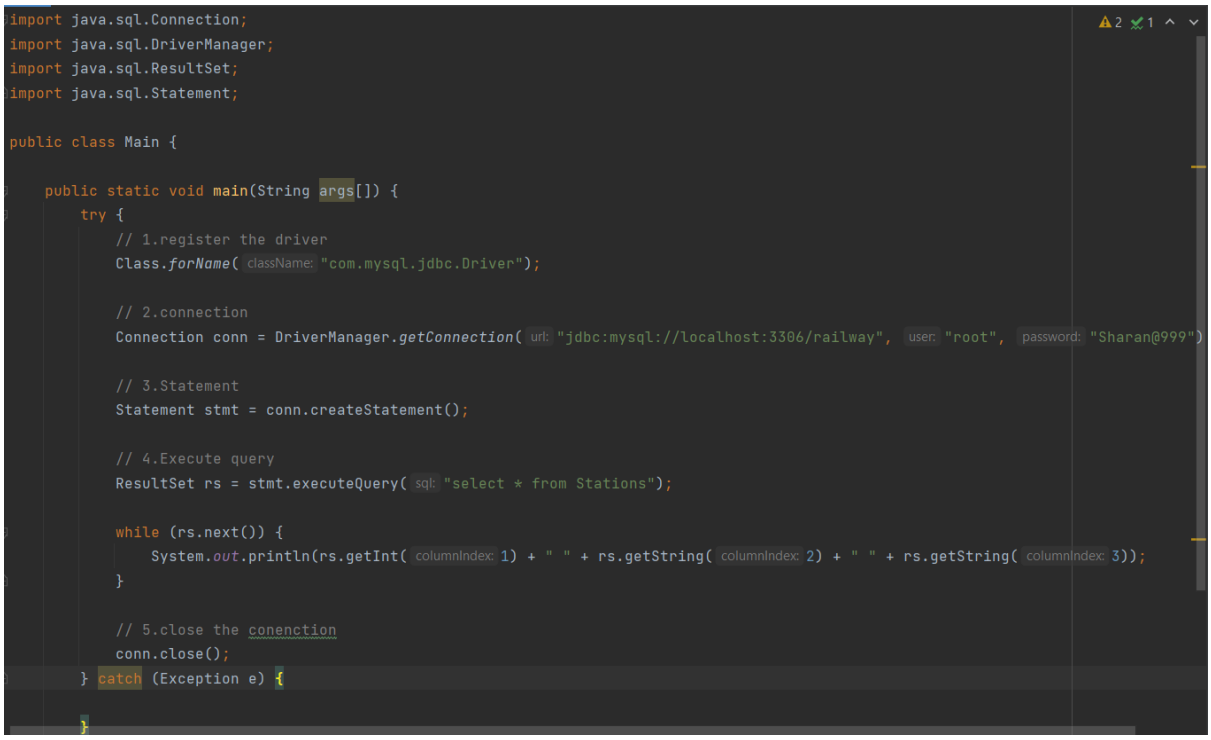
1. Implement JDBC Connectivity using java

DATABASE CONNECTIVITY CODE:

```
java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;

public class Main {

   public static void main(String args[]) {
      try {
         // 1.register the driver
         Class.forName("com.mysql.jdbc.Driver");

         // 2.connection
         Connection conn =
DriverManager.getConnection("jdbc:mysql://localhost:3306/railway", "root",
"Sharan@999");

         // 3.Statement
         Statement stmt = conn.createStatement();

         // 4.Execute query
         ResultSet rs = stmt.executeQuery("select * from Stations");

         while (rs.next()) {
            System.out.println(rs.getInt(1) + " " + rs.getString(2) + " " +
rs.getString(3));
         }
```

```
            // 5.close the conenction
            conn.close();
        } catch (Exception e) {

        }
    }
}
```

SCREENSHOT:



DATABASE QUERY:

```
mysql> create database railway;
Query OK, 1 row affected (0.01 sec)

mysql> use railway;
Database changed
mysql> CREATE TABLE Stations (
    ->   station_id INT PRIMARY KEY,
    ->   station_name VARCHAR(100) NOT NULL,
    ->   location VARCHAR(100) NOT NULL
    -> );
Query OK, 0 rows affected (0.04 sec)

mysql> INSERT INTO Stations (station_id, station_name, location)
    -> VALUES (1, 'Station A', 'City A');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO Stations (station_id, station_name, location)
    -> VALUES (2, 'Station B', 'City B');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO Stations (station_id, station_name, location)
    -> VALUES (3, 'Station C', 'City C');
Query OK, 1 row affected (0.01 sec)

mysql> select * from Stations;
+------------+--------------+----------+
| station_id | station_name | location |
+------------+--------------+----------+
|          1 | Station A    | City A   |
|          2 | Station B    | City B   |
|          3 | Station C    | City C   |
+------------+--------------+----------+
3 rows in set (0.00 sec)
```

CODE OUTPUT:

```
"C:\Program Files\Java\jdk-18.0.2.1\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new driver class is `com.mysql.cj.jdbc.
1 Station A City A
2 Station B City B
3 Station C City C

Process finished with exit code 0
```