

SMARTBRIDGE EXTERNSHIP Modern Application Development (Java Spring Boot)

Assignment – 3

Java Database Connectivity

by

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Connection.java

```
package ConnectionDB;
import java.util.*;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.Statement;
import java.sql.ResultSet;

public class Connection {
    static final String URL =
"jdbc:mysql://localhost:3306/assignment3";
    static final String USER = "root";
    static final String pass = "Elaya@123";
    static int count = 1;

    public static void main(String[] args) {

        try {

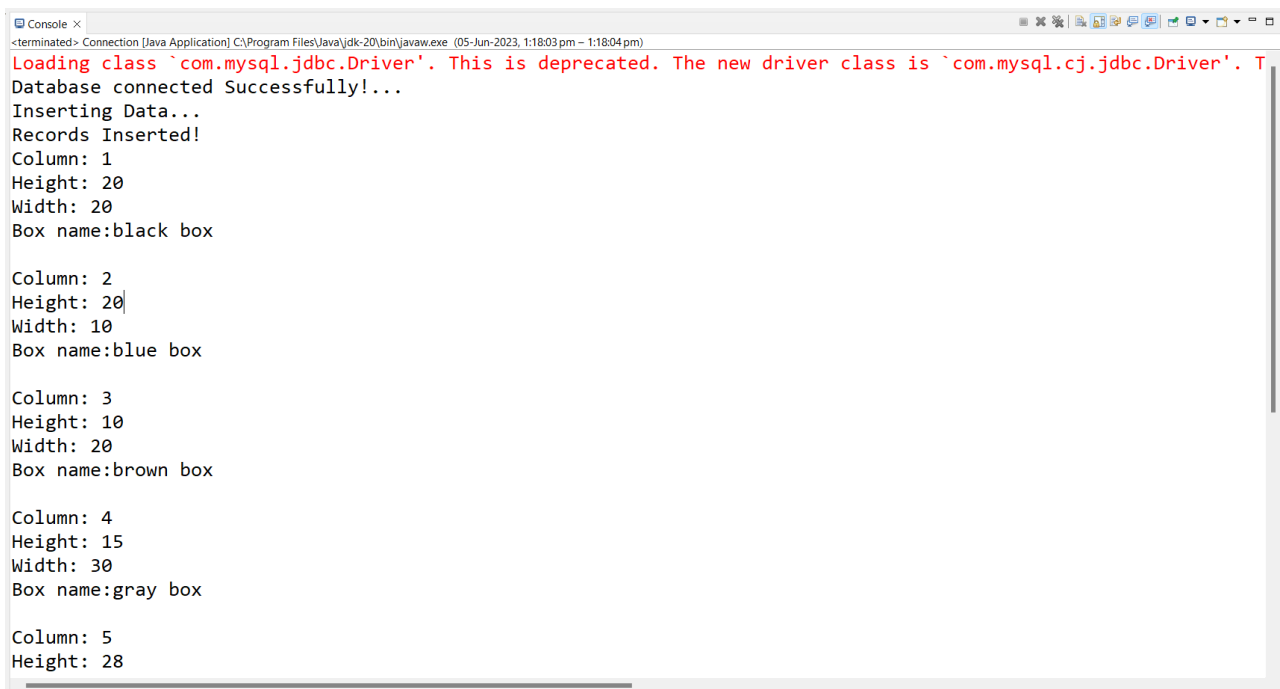
Class.forName("com.mysql.jdbc.Driver");
java.sql.Connection conn =
DriverManager.getConnection(URL, USER, pass);
System.out.println("Database connected Successfully!...");
        Statement stm = conn.createStatement();
        System.out.println("Inserting Data...");
        String sql = "INSERT INTO box VALUES (10, 20, 'blue
box')";
        stm.executeUpdate(sql);
        System.out.println("Records Inserted!");
        String sql2 = "Select * from box";
        ResultSet rel = stm.executeQuery(sql2);
        while(rel.next()) {
            int height = rel.getInt(1);
            int width = rel.getInt(2);
            String box_name = rel.getString(3);
            System.out.println("Column: "+ count);
            System.out.println("Height: "+ height);
            System.out.println("Width: "+ width);
            System.out.println("Box name:"+ box_name);
            count+=1;
            System.out.println();
        }
    }
}
```

```

    }
    conn.close();
    stm.close();
} catch (Exception e) {
    System.out.println(e);
}
}
}

```

Result:



The screenshot shows a Java application window titled "Console x" with the following output:

```

<terminated> Connection [Java Application] C:\Program Files\Java\jdk-20\bin\javaw.exe (05-Jun-2023, 1:18:03 pm - 1:18:04 pm)
Loading class 'com.mysql.jdbc.Driver'. This is deprecated. The new driver class is 'com.mysql.cj.jdbc.Driver'. T
Database connected Successfully!...
Inserting Data...
Records Inserted!
Column: 1
Height: 20
Width: 20
Box name:black box

Column: 2
Height: 20
Width: 10
Box name:blue box

Column: 3
Height: 10
Width: 20
Box name:brown box

Column: 4
Height: 15
Width: 30
Box name:gray box

Column: 5
Height: 28

```

```

Column: 5
Height: 28
Width: 20
Box name:green box

Column: 6
Height: 18
Width: 10
Box name:pnik box

Column: 7
Height: 18
Width: 30
Box name:white box

Column: 8
Height: 12
Width: 24
Box name:yellow box

```

Mysql Workbench:

Query 1 x

Limit to 1000 rows

```
1 • select * from box;
```

Result Grid

Filter Rows:

Edit: Export/Import: Wrap Cell Content:

	height	width	bname
▶	20	20	black box
	20	10	blue box
	10	20	brown box
	15	30	gray box
	28	20	green box
	18	10	pink box
	18	30	white box
	12	24	yellow box
*	NULL	NULL	NULL

Result Grid

Form Editor

Field Types

Query Stats