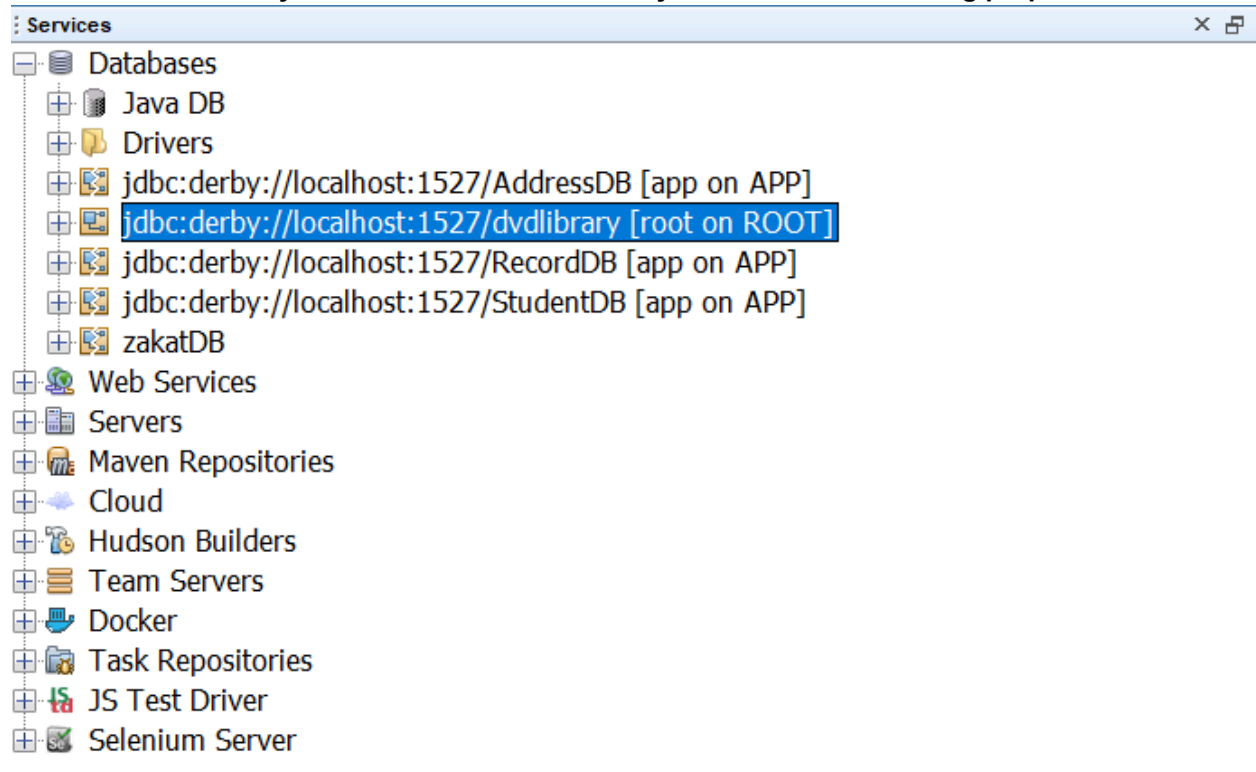
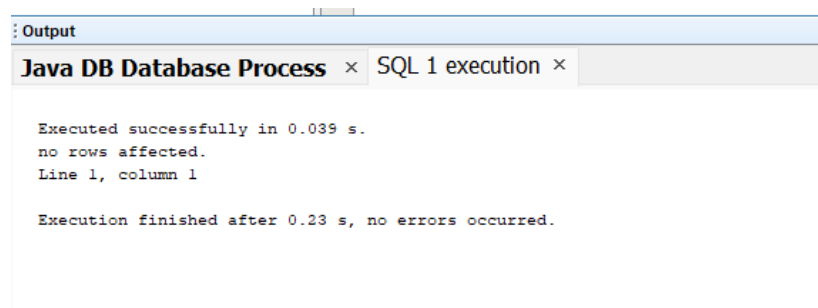
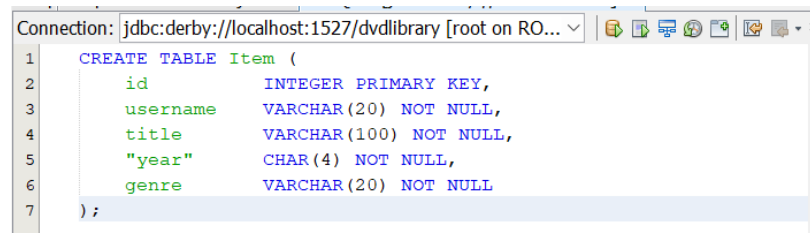


Post LAB 9: Integrating JSP with a database

Task 1: Start the Derby database. Create a dvdlibrary database with following properties



Task 2: Create a table name ITEM by executing the following SQL command.



Task 3: Populate the table with values through SQL command.

```
INSERT INTO Item VALUES(1, 'jack', 'The Godfather', '1972', 'Drama');
INSERT INTO Item VALUES(2, 'jack', 'The Shawshank Redemption', '1994', 'Drama');
INSERT INTO Item VALUES(3, 'jack', 'The Godfather: Part II', '1974', 'Drama');
INSERT INTO Item VALUES(4, 'jack', 'The Lord of the Rings: The Return of The King', '2003', 'Fantasy');
INSERT INTO Item VALUES(5, 'jack', 'The Lord of the Rings: The Two Towers', '2002', 'Fantasy');
INSERT INTO Item VALUES(6, 'jack', 'Shindler's List', '1998', 'Drama');
INSERT INTO Item VALUES(7, 'jack', 'Shichinin no samurai', '1954', 'Action');
INSERT INTO Item VALUES(8, 'jack', 'Casablanca', '1942', 'Drama');
INSERT INTO Item VALUES(9, 'jack', 'The Lord of the Rings: The Fellowship of The Ring', '2001', 'Fantasy');
```

Output ×

Java DB Database Process × SQL 1 execution ×

```
Executed successfully in 0.002 s.
1 row affected.
Line 7, column 1
```

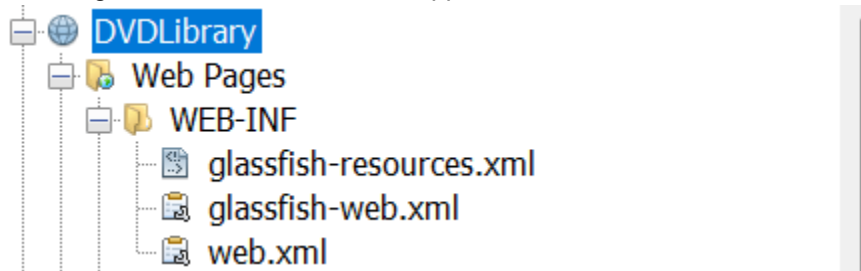
```
Executed successfully in 0.002 s.
1 row affected.
Line 8, column 1
```

```
Executed successfully in 0.002 s.
1 row affected.
Line 9, column 1
```

```
Execution finished after 0.058 s, no errors occurred.
```

Task 4: Perform the following steps:

1. Configure the Data source in the deployment descriptor
2. Configure the data source in the application server



Add Resource Reference

Resource Name: jdbc/myDatasource

Resource Type: javax.sql.DataSource

Authentication: Container

Sharing Scope: Shareable

Description:

OK Cancel

XML deployment descriptor snippet:

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <!DOCTYPE glassfish-web-app PUBLIC "-//GlassFish.org//DTD GlassFish Application Server 3.1 Servlet 3.0//EN" "http://glassfish.org/dtds/glassfish-web-app_3_0-1.dtd">
3 <glassfish-web-app error-url="">
4   <context-root>/DBExample</context-root>
5   <class-loader delegate="true"/>
6   <jsp-config>
7     <property name="keepgenerated" value="true">
8       <description>Keep a copy of the generated servlet class' java code.</description>
9     </property>
10  </jsp-config>
11  <resource-ref>
12    <res-ref-name>jdbc/myDatasource</res-ref-name>
13    <jndi-name>jdbc/myDatasource</jndi-name>
14  </resource-ref>
15 </glassfish-web-app>
16
```

3. Create a new JSP file as selectData.jsp. Write JSP/ JSTL code to display the data from database as follow:

