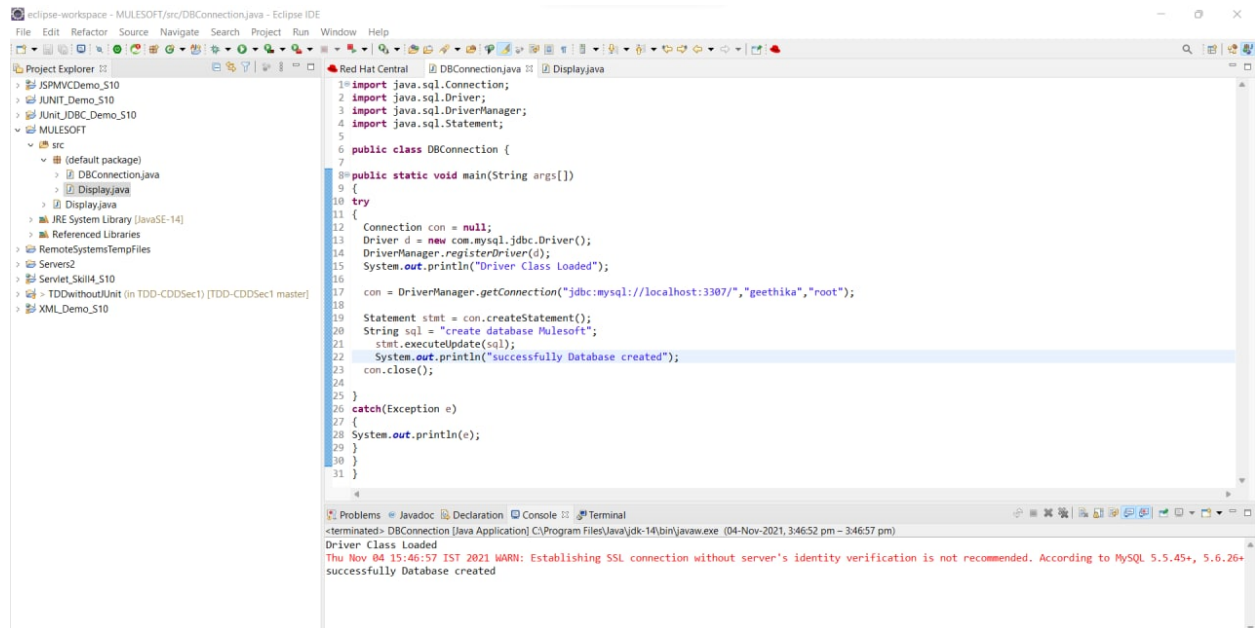


# MULESOFT INTERNSHIP

## Dbconnection:



```
1 import java.sql.Connection;
2 import java.sql.Driver;
3 import java.sql.DriverManager;
4 import java.sql.Statement;
5
6 public class DBConnection {
7
8     public static void main(String args[])
9     {
10         try
11         {
12             Connection con = null;
13             Driver d = new com.mysql.jdbc.Driver();
14             DriverManager.registerDriver(d);
15             System.out.println("Driver Class Loaded");
16
17             con = DriverManager.getConnection("jdbc:mysql://localhost:3307/", "geethika", "root");
18
19             Statement stmt = con.createStatement();
20             String sql = "create database mulesoft";
21             stmt.executeUpdate(sql);
22             System.out.println("successfully Database created");
23             con.close();
24         }
25         catch (Exception e)
26         {
27             System.out.println(e);
28         }
29     }
30 }
31 }
```

Problems | Javadoc | Declaration | Console | Terminal

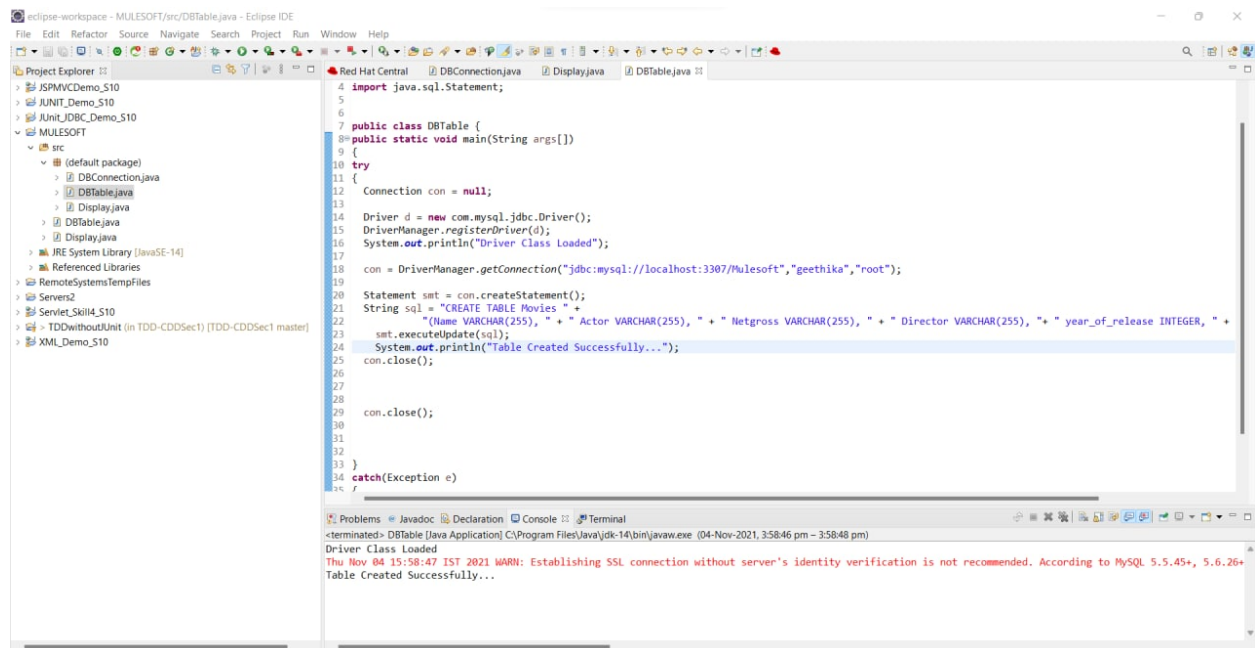
<terminated> DBConnection [Java Application] C:\Program Files\Java\jdk-14\bin\javaw.exe (04-Nov-2021, 3:46:52 pm - 3:46:57 pm)

Driver Class Loaded

Thu Nov 04 15:46:57 IST 2021 WARN: Establishing SSL connection without server's identity verification is not recommended. According to MySQL 5.5.45+, 5.6.26+

successfully Database created

## DBTable Created Successfully



```
4 import java.sql.Statement;
5
6 public class DBTable {
7     public static void main(String args[])
8     {
9         try
10        {
11            Connection con = null;
12
13            Driver d = new com.mysql.jdbc.Driver();
14            DriverManager.registerDriver(d);
15            System.out.println("Driver Class Loaded");
16
17            con = DriverManager.getConnection("jdbc:mysql://localhost:3307/mulesoft", "geethika", "root");
18
19            Statement stmt = con.createStatement();
20            String sql = "CREATE TABLE Movies (" +
21                "(Name VARCHAR(255), " + " Actor VARCHAR(255), " + " Netgross VARCHAR(255), " + " Director VARCHAR(255), " +
22                " year_of_release INTEGER, " +
23                " PRIMARY KEY (Name))";
24            stmt.executeUpdate(sql);
25            System.out.println("Table Created Successfully...");
26            con.close();
27
28            con.close();
29        }
30        catch (Exception e)
31        {
32            System.out.println(e);
33        }
34    }
35 }
```

Problems | Javadoc | Declaration | Console | Terminal

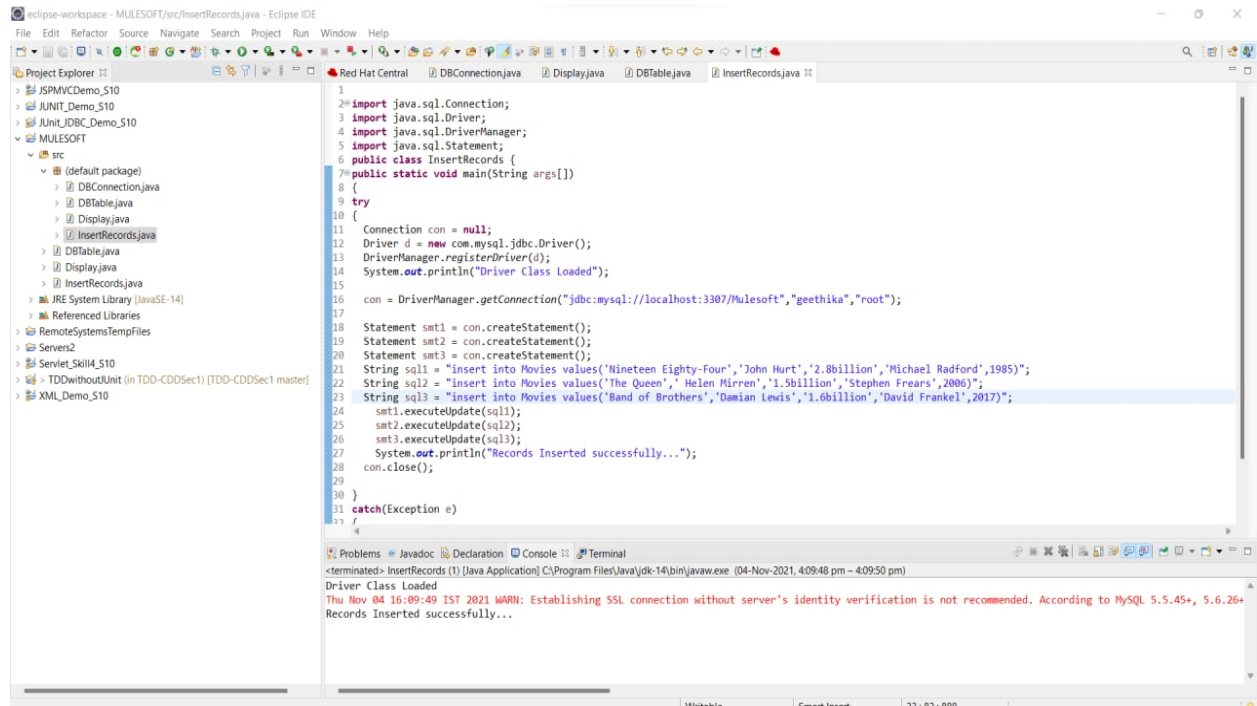
<terminated> DBTable [Java Application] C:\Program Files\Java\jdk-14\bin\javaw.exe (04-Nov-2021, 3:58:46 pm - 3:58:48 pm)

Driver Class Loaded

Thu Nov 04 15:58:47 IST 2021 WARN: Establishing SSL connection without server's identity verification is not recommended. According to MySQL 5.5.45+, 5.6.26+

Table Created Successfully...

## Inserted records Successfully



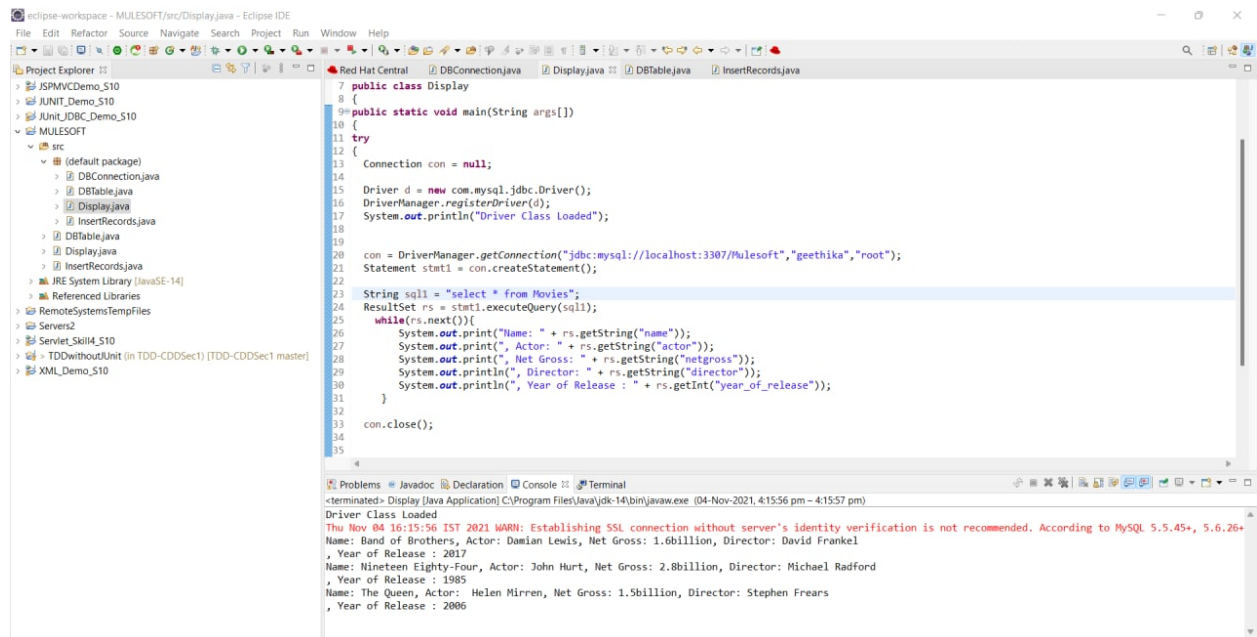
The screenshot shows the Eclipse IDE with the `InsertRecords.java` file open. The code is as follows:

```
1
2 import java.sql.Connection;
3 import java.sql.Driver;
4 import java.sql.DriverManager;
5 import java.sql.Statement;
6 public class InsertRecords {
7     public static void main(String args[])
8     {
9         try
10        {
11            Connection con = null;
12            Driver d = new com.mysql.jdbc.Driver();
13            DriverManager.registerDriver(d);
14            System.out.println("Driver Class Loaded");
15
16            con = DriverManager.getConnection("jdbc:mysql://localhost:3307/Mulesoft","geethika","root");
17
18            Statement smt1 = con.createStatement();
19            Statement smt2 = con.createStatement();
20            Statement smt3 = con.createStatement();
21            String sql1 = "insert into Movies values('Nineteen Eighty-Four','John Hurt','2.8billion','Michael Radford','1985');";
22            String sql2 = "insert into Movies values('The Queen','Helen Mirren','1.5billion','Stephen Frears','2006');";
23            String sql3 = "insert into Movies values('Band of Brothers','Damian Lewis','1.6billion','David Frankel','2017');";
24            smt1.executeUpdate(sql1);
25            smt2.executeUpdate(sql2);
26            smt3.executeUpdate(sql3);
27            System.out.println("Records Inserted successfully...");
28            con.close();
29        }
30        catch(Exception e)
31        {
32        }
33    }
34 }
35
```

The console output shows the following messages:

```
<terminated> InsertRecords (1) [Java Application] C:\Program Files\Java\jdk-14\bin\javaw.exe (04-Nov-2021, 4:09:48 pm - 4:09:50 pm)
Driver Class Loaded
Thu Nov 04 16:09:49 IST 2021 WARN: Establishing SSL connection without server's identity verification is not recommended. According to MySQL 5.5.45+, 5.6.26+
Records Inserted successfully...
```

## Displaying of records



The screenshot shows the Eclipse IDE with the `Display.java` file open. The code is as follows:

```
7 public class Display
8 {
9     public static void main(String args[])
10    {
11        try
12        {
13            Connection con = null;
14
15            Driver d = new com.mysql.jdbc.Driver();
16            DriverManager.registerDriver(d);
17            System.out.println("Driver Class Loaded");
18
19
20            con = DriverManager.getConnection("jdbc:mysql://localhost:3307/Mulesoft","geethika","root");
21            Statement smt1 = con.createStatement();
22
23            String sql1 = "select * from Movies";
24            ResultSet rs = smt1.executeQuery(sql1);
25            while(rs.next()){
26                System.out.print("Name : " + rs.getString("name"));
27                System.out.print(", Actor : " + rs.getString("actor"));
28                System.out.print(", Net Gross : " + rs.getString("netgross"));
29                System.out.println(", Director : " + rs.getString("director"));
30                System.out.println(", Year of Release : " + rs.getInt("year_of_release"));
31            }
32
33            con.close();
34        }
35    }
36 }
37
```

The console output shows the following messages:

```
<terminated> Display [Java Application] C:\Program Files\Java\jdk-14\bin\javaw.exe (04-Nov-2021, 4:15:56 pm - 4:15:57 pm)
Driver Class Loaded
Thu Nov 04 16:15:56 IST 2021 WARN: Establishing SSL connection without server's identity verification is not recommended. According to MySQL 5.5.45+, 5.6.26+
Name: Band of Brothers, Actor: Damian Lewis, Net Gross: 1.6billion, Director: David Frankel
, Year of Release : 2017
Name: Nineteen Eighty-Four, Actor: John Hurt, Net Gross: 2.8billion, Director: Michael Radford
, Year of Release : 1985
Name: The Queen, Actor: Helen Mirren, Net Gross: 1.5billion, Director: Stephen Frears
, Year of Release : 2006
```

```
MySQL 8.0 Command Line Client
mysql: [Warning] C:\Program Files\MySQL\MySQL Server 8.0\bin\mysql.exe: ignoring option '--no-beep' due to invalid value ''.
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 11
Server version: 8.0.25 MySQL Community Server - GPL

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Oracle is a registered trademark of Oracle Corporation and/or its
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> show databases;
+-----+
| Database |
+-----+
| information_schema |
| jfsd |
| jfsdskill4 |
| jfsdskill5 |
| jspwcdemo |
| mulesoft |
| mysql |
| performance_schema |
| sys |
+-----+
0 rows in set (0.09 sec)

mysql> use mulesoft;
Database changed
mysql> show tables;
+-----+
| Tables_in_mulesoft |
+-----+
| movies |
+-----+
1 row in set (0.04 sec)

mysql> desc movies;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| Name | varchar(255) | NO | PRI | NULL | |
| Actor | varchar(255) | YES | | NULL | |
| Netgross | varchar(255) | YES | | NULL | |
| Director | varchar(255) | YES | | NULL | |
| year_of_release | int | YES | | NULL | |
+-----+
```

```
MySQL 8.0 Command Line Client
mysql> show tables;
+-----+
| Tables_in_mulesoft |
+-----+
| movies |
+-----+
1 row in set (0.04 sec)

mysql> desc movies;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| Name | varchar(255) | NO | PRI | NULL | |
| Actor | varchar(255) | YES | | NULL | |
| Netgross | varchar(255) | YES | | NULL | |
| Director | varchar(255) | YES | | NULL | |
| year_of_release | int | YES | | NULL | |
+-----+
0 rows in set (0.02 sec)

mysql> select * from movies;
+-----+
| Name | Actor | Netgross | Director | year_of_release |
+-----+
| Band of Brothers | Damian Lewis | 1.6billion | David Frankel | 2017 |
| Nineteen Eighty-Four | John Hurt | 2.8billion | Michael Radford | 1985 |
| The Queen | Helen Mirren | 1.5billion | Stephen Frears | 2006 |
+-----+
3 rows in set (0.01 sec)

mysql>
```