

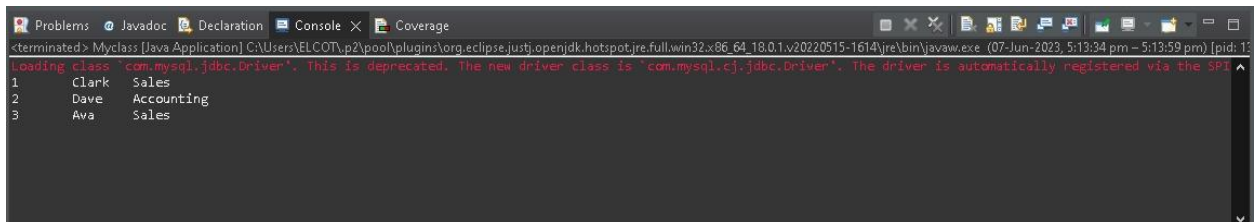
Smart Bridge – Modern Application Development (Java Spring Boot)**Assignment – 3**

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JDBC connection using Java:**Retrieve data:**

```
1 import java.sql.Connection;
2 public class MyClass {
3
4     public static void main(String[] args) {
5         try {
6             Class.forName("com.mysql.jdbc.Driver");
7             Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/project","root","Lavanya");
8             Statement stmt=con.createStatement();
9             ResultSet rs=stmt.executeQuery("select * from EMPLOYEE");
10            while(rs.next())
11            {
12                System.out.println(rs.getString(1)+"\t"+rs.getString(2)+"\t"+rs.getString(3));
13            }
14        }
15        catch(Exception e){
16            System.out.println(e.toString());
17        }
18    }
19 }
20
21
22
23
24
25
```

Output:

```
<terminated> MyClass [Java Application] C:\Users\ELCOT\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_18.0.1.v20220515-1614\jre\bin\javaw.exe (07-Jun-2023, 5:13:34 pm - 5:13:59 pm) [pid: 11]
Loading class 'com.mysql.jdbc.Driver'. This is deprecated. The new driver class is 'com.mysql.cj.jdbc.Driver'. The driver is automatically registered via the SPI
1      Clark      Sales
2      Dave      Accounting
3      Ava       Sales
```

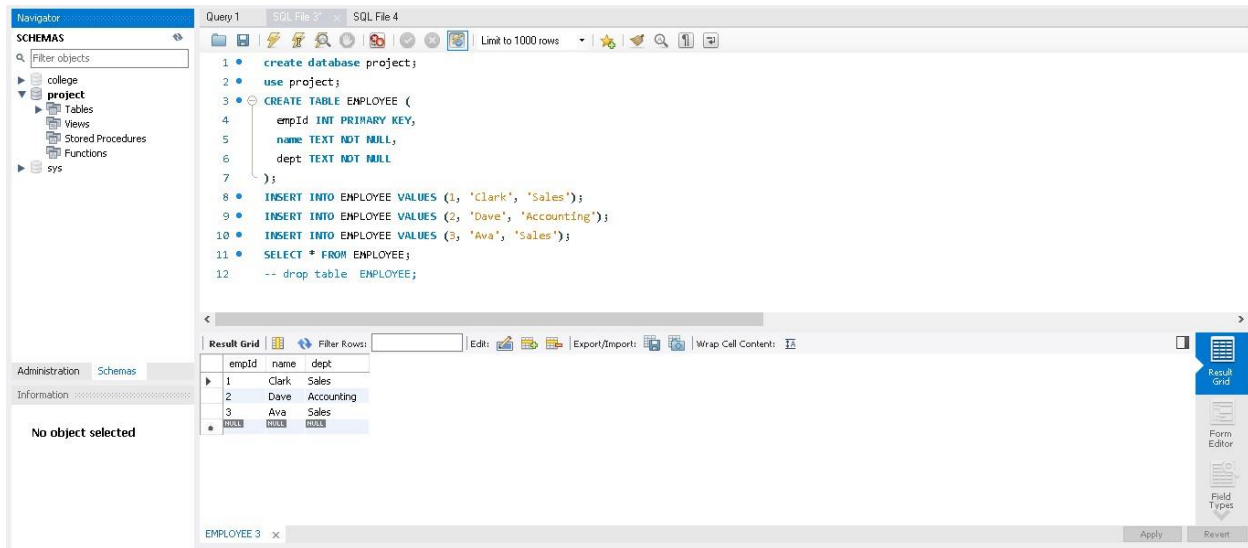
Update data:

```
1 import java.sql.Connection;
2 import java.sql.DriverManager;
3 import java.sql.ResultSet;
4 import java.sql.Statement;
5 public class MyClass {
6
7     public static void main(String[] args) {
8         try {
9             Class.forName("com.mysql.jdbc.Driver");
10            Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/project","root","Lavanya");
11            Statement stmt=con.createStatement();
12            int rs=stmt.executeUpdate("insert into EMPLOYEE(empId,name,dept) values(4,\"Siva\",\"Analyst\")");
13
14            if(rs>0)
15            {
16                System.out.println("Successfully Updated");
17            }
18            ResultSet r=stmt.executeQuery("Select * from EMPLOYEE");
19            System.out.println();
20            System.out.println();
21            while(r.next())
22            {
23                System.out.println(r.getString(1)+"\t"+r.getString(2)+"\t"+r.getString(3));
24            }
25        }
26        catch(Exception e){
27            System.out.println(e.toString());
28        }
29    }
30 }
31 |
32 }
33
```

Output:

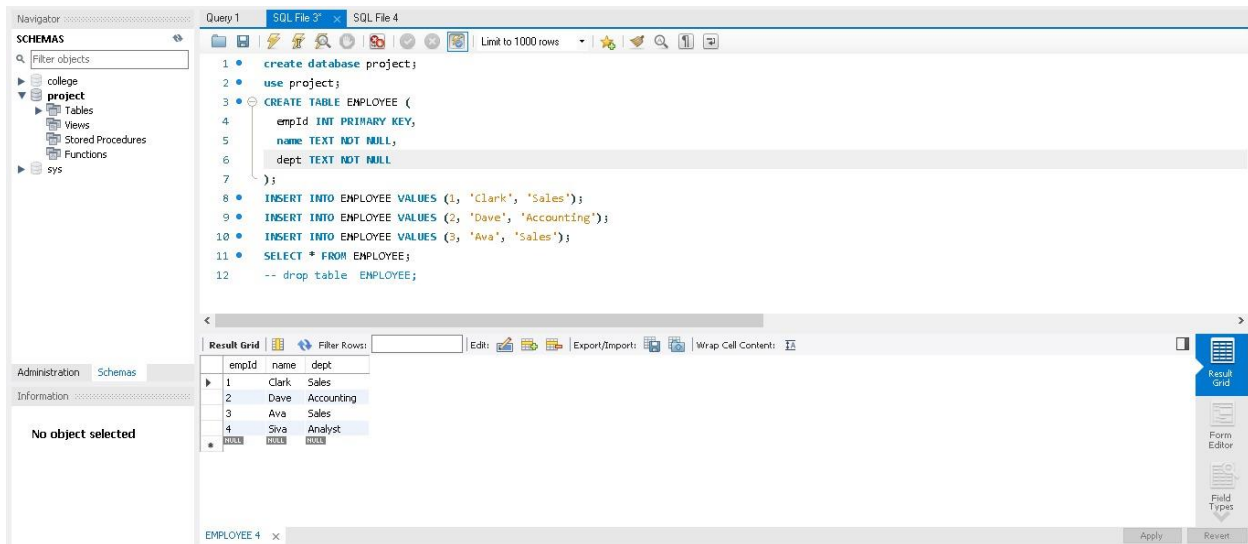
```
Loading class 'com.mysql.jdbc.Driver'. This is deprecated. The new driver class is 'com.mysql.cj.jdbc.Driver'. The driver is automatically registered via the SPI
Successfully Updated

1      Clark   Sales
2      Dave    Accounting
3      Ava     Sales
4      Siva    Analyst
```

Before Insert:

The screenshot shows the Eclipse IDE with a SQL query executed. The query creates a table named EMPLOYEE and inserts three records. The result grid displays the following data:

empId	name	dept
1	Clark	Sales
2	Dave	Accounting
3	Ava	Sales

After insert:

The screenshot shows the Eclipse IDE with the same SQL query executed. The result grid now displays four records, including the newly inserted employee:

empId	name	dept
1	Clark	Sales
2	Dave	Accounting
3	Ava	Sales
4	Siva	Analyst

Conclusion:

I have connected sql server with JDBC using eclipse and also I learned to update and retrieve the data using JDBC.