Lecture 11 Stored Procedures Part 3

DRIVER

```
eclipse-workspace - jdbc-lecture-11-stored-procedures-part-3/src/Driver.java - Eclipse IDE
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                                     🗾 Driver.java 🗵

★ Debug  Project Explorer ×

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  ⊯ HelloWorld
                                          import java.sql.*;
  📂 jdbc-lecture-03-setting-up-dev-environme
  ₩ jdbc-lecture-04-submitting-sql-queries (in
  对 jdbc-lecture-05-inserting-data (in jdbc-in
  B jdbc-lecture-06-updating-data (in jdbc-up
                                            public static void main(String[] args) throws SQLException {
  idbc-lecture-07-deleting-data (in idbc-del
  📂 jdbc-lecture-08-prepared-statements (in
                                                   Connection myConn = null;
                                                   PreparedStatement myStmt = null;
  ⊯ jdbc-lecture-09-stored-procedures-part-1
                                                   ResultSet myRs = null;
  idbc-lecture-10-stored-procedures-part-2
  idbc-lecture-11-stored-procedures-part-3
    👺 src
       # (default package)
                                                       myConn = DriverManager.getConnection("jdbc:mysql://localhost:3306/db_zabala", "student", "student");
       > 🗾 Driver.java
       > 🗾 GetCountForDepartment.java
                                                       myStmt = myConn.prepareStatement("select * from employees where salary > ? and department=?");
        🔃 GetEmployeesForDepartment.jav
       >  GreetTheDepartment.java

    IncreaseSalariesForDepartment.ia

                                                       myStmt.setDouble(1, 80000);

➡ JRE System Library [JavaSE-1.8]

                                                       myStmt.setString(2, "Legal");
   > A Referenced Libraries
    tib
                                                       myRs = myStmt.executeQuery();
    🗁 sql
      table-setup.sql
    ■ README.TXT
                                                       display(myRs);
  ₩ jdbc-lecture-12-stored-procedures-part-4
  Widbc-lecture-13-jdbc-transactions (in jdb
  idbc-lecture-14-database-metadata (in jo
                                                                                                                                                                                       ■ Console × 🔐 Problems 🔟 Debug Shell
  📂 jdbc-lecture-15-resultset-metadata (in jo
  ₩ jdbc-lecture-16-blobs (in jdbc-blob)
                                      <terminated > Driver (2) [Java Application] C:\Program Files\Java\jdk-21\bin\javaw.exe (Nov 12, 2024, 7:20:04 PM – 7:20:05 PM) [pid: 12756]
                                      Queue, Susan, 130000.00, Legal
  idbc-lecture-17-clobs (in idbc-clob)
                                     Smith, Paul, 100000.00, Legal
  📂 jdbc-lecture-18-database-configuration-p
                                      Waters, David, 90000.00, Legal
  Lecture_03_Setting_Up_Dev_Environment
                                      Reuse the prepared statement: salary > 25000, department = HR
                                      Doe, John, 55000.00, HR
                                      Williams, David, 120000.00, HR
                                      Adams, Carl, 50000.00, HR
                                      Davis, John, 45000.00, HR
                                      Wright, Eric, 33000.00, HR
                                                                                                                        Writable
                                                                                                                                             Smart Insert
```

Get Count for Department

```
💳 eclipse-workspace - jdbc-lecture-11-stored-procedures-part-3/src/GetCountForDepartment.java - Eclipse IDE
                                                                                                                                                                                                                       0
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★ Debug  Project Explorer ×

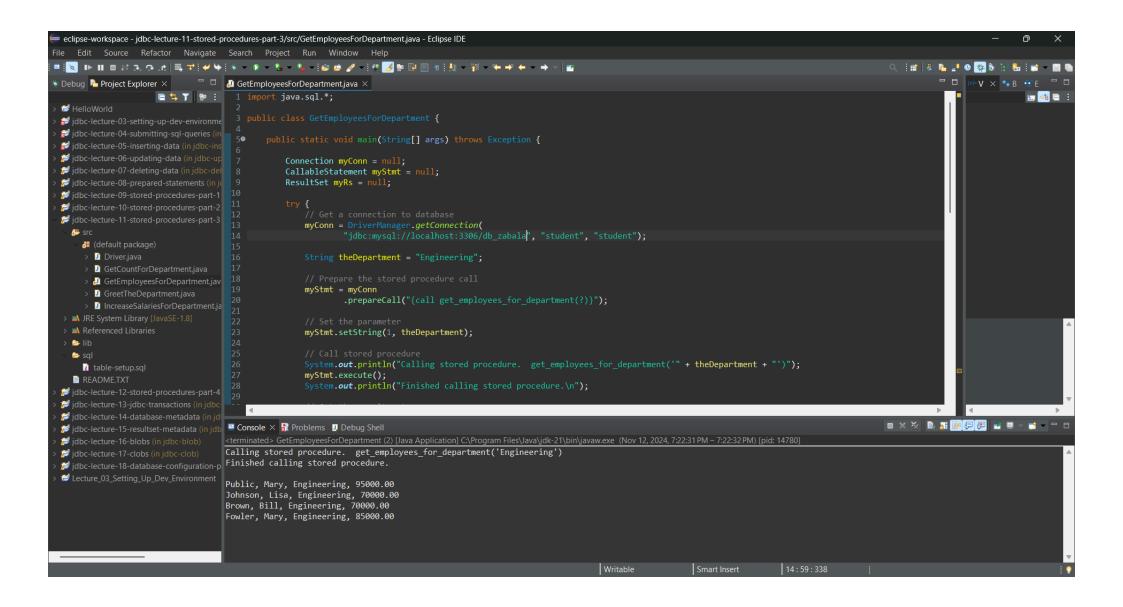
                                GetCountForDepartment.java ×
                                                                                                                                                                                                                       £ ⇒ta 🗀

    idbc-lecture-03-setting-up-dev-environme 16●
                                             public static void main(String[] args) throws Exception {
 ₩ jdbc-lecture-04-submitting-sql-queries (in
                                                   Connection myConn = null;
 wide in idbc-inserting-data (in idbc-inserting-data)
                                                   CallableStatement myStmt = null;
 idbc-lecture-06-updating-data (in idbc-up
 idbc-lecture-07-deleting-data (in idbc-del
 idbc-lecture-08-prepared-statements (in j
 idbc-lecture-09-stored-procedures-part-1
                                                        myConn = DriverManager.getConnection(
                                                                "jdbc:mysql://localhost:3306/db zabala", "student", "student");
 idbc-lecture-10-stored-procedures-part-2
 idbc-lecture-11-stored-procedures-part-3
                                                        String theDepartment = "Engineering";
    ë src
      (default package)
       > 🗾 Driver.java
                                                        myStmt = myConn
       → J GetCountForDepartment.java
                                                                .prepareCall("{call get_count_for_department(?, ?)}");
        > 🗾 GreetTheDepartment.java
                                                        myStmt.setString(1, theDepartment);
       J IncreaseSalariesForDepartment.ja
                                                        myStmt.registerOutParameter(2, Types.INTEGER);

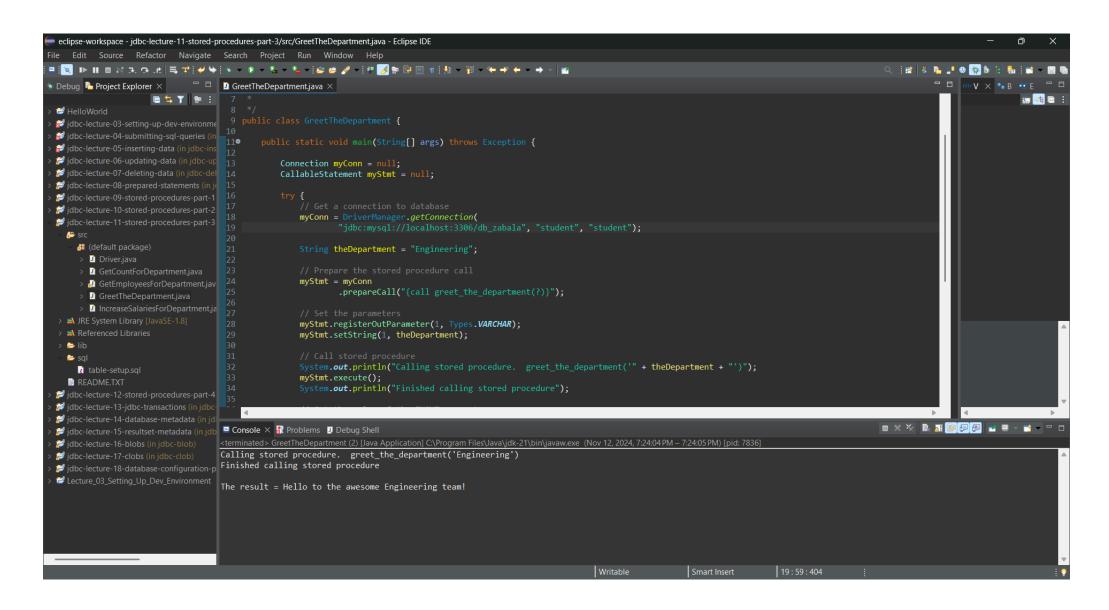
➡ JRE System Library [JavaSE-1.8]

    Referenced Libraries
    b lib
                                                        System.out.println("Calling stored procedure. get_count_for_department('" + theDepartment + "', ?)");
    📂 sql
                                                        myStmt.execute();
      table-setup.sql
                                                        System.out.println("Finished calling stored procedure");
    ■ README.TXT
 idbc-lecture-12-stored-procedures-part-4
                                                        int theCount = myStmt.getInt(2);
 idbc-lecture-13-idbc-transactions (in idbe
 idbc-lecture-14-database-metadata (in id
                                                                                                                                                                                        ■ Console × 🔐 Problems 🗓 Debug Shell
 📂 jdbc-lecture-15-resultset-metadata (in j
                                      <terminated > GetCountForDepartment (2) [Java Application] C:\Program Files\Java\jdk-21\bin\javaw.exe (Nov 12, 2024, 7:21:09 PM – 7:21:10 PM) [pid: 13196]
 idbc-lecture-16-blobs (in idbc-blob)
                                      Calling stored procedure. get_count_for_department('Engineering', ?)
 idbc-lecture-17-clobs (in idbc-clob)
 📂 jdbc-lecture-18-database-configuration-p Finished calling stored procedure
 Lecture_03_Setting_Up_Dev_Environment
                                      The count = 4
                                                                                                                         Writable
                                                                                                                                              Smart Insert
```

Get Employees for Department



Greet the Department



Increase Salaries for Department

