## Lecture 14 Database Metadata

## Metadata Basic Info

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🛑 eclipse-workspace - jdbc-lecture-14-database-metadata/src/MetaDataBasicInfo.java - Eclipse IDE

 ( ) [합 | 왕 隆 월 80 [왕 60]

🔅 Debug 🔓 Project Explorer 🗵

■ *MetaDataBasicInfo.iava ×

                                       10 import java.sql.Connection;
  🗾 jdbc-lecture-03-setting-up-dev-environme
  🗾 jdbc-lecture-04-submitting-sql-queries (ii
                                            public static void main(String[] args) throws SQLException {
  🗾 jdbc-lecture-05-inserting-data (in jdbc-i
  Widbc-lecture-06-updating-data (in jdbc-up
                                                 Connection myConn = null;
  📂 jdbc-lecture-07-deleting-data (in jdbc-del
  🗾 jdbc-lecture-08-prepared-statements (in j
  idbc-lecture-09-stored-procedures-part-1
                                                      myConn = DriverManager.getConnection(
  idbc-lecture-10-stored-procedures-part-2
                                                              "jdbc:mysql://localhost:3306/db_zabala", "student", "student");
  idbc-lecture-11-stored-procedures-part-3
  idbc-lecture-12-stored-procedures-part-4
  idbc-lecture-13-idbc-transactions (in idbc
                                                      DatabaseMetaData databaseMetaData = myConn.getMetaData();
  Bidbc-lecture-14-database-metadata (in id
                                                      System.out.println("Product name: " + databaseMetaData.getDatabaseProductName());
      ## (default package)
                                                      System.out.println("Product version: " + databaseMetaData.getDatabaseProductVersion());
       System.out.println();

☑ Schemalnfo.java

  > A Referenced Libraries
  > A JRE System Library [jdk-21]
                                                      System.out.println("JDBC Driver name: " + databaseMetaData.getDriverName());
   🗁 lib
                                                      System.out.println("JDBC Driver version: " + databaseMetaData.getDriverVersion());
    🗁 sql
                                                  } catch (Exception exc) {
      table-setup.sql
                                                      exc.printStackTrace();
    README.TXT
  🃂 jdbc-lecture-15-resultset-metadata (in jdb
                                                      close(myConn);
  idbc-lecture-16-blobs (in idbc-blob)
  ₩ jdbc-lecture-17-clobs (in jdbc-clob)
                                                                                                                                                                                  📂 jdbc-lecture-18-database-configuration-p 📮 Console 🗴 륐 Problems 🔟 Debug Shell
  🕏 Lecture_03_Setting_Up_Dev_Environment | TransactionDemo [Java Application] C:\Program Files\Java\idk-21\bin\javaw.exe (Nov 12, 2024, 7:34:37 PM) [pid: 15404]
                                     Doe, John, HR, 55000.00
                                     Williams, David, HR, 120000.00
                                     Adams, Carl, HR, 50000.00
                                     Davis, John, HR, 45000.00
                                     Wright, Eric, HR, 33000.00
                                     Show Salaries for Department: Engineering
                                    Public, Mary, Engineering, 115000.00
                                     Johnson, Lisa, Engineering, 90000.00
                                     Brown, Bill, Engineering, 90000.00
                                    Fowler, Mary, Engineering, 105000.00
```

## Schema Info

```
eclipse-workspace - jdbc-lecture-14-database-metadata/src/SchemaInfo.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
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🐐 Debug 🔓 Project Explorer 🗴
                                                                                                                                                                                                   •V × • B ⋘E
                                     ☑ SchemaInfo.java ×
                                       10 import java.sql.Connection;
  ⊯ HelloWorld
  ₩ jdbc-lecture-03-setting-up-dev-environme
  # jdbc-lecture-04-submitting-sgl-queries (in
                                            public static void main(String[] args) throws SQLException {
  www.jdbc-lecture-05-inserting-data (in jdbc-in
  idbc-lecture-06-updating-data (in jdbc-up
                                                 String catalog = null;
                                                 String schemaPattern = null;
  idbc-lecture-07-deleting-data (in idbc-del
                                                 String tableNamePattern = null;
  📂 jdbc-lecture-08-prepared-statements (in j
                                                 String columnNamePattern = null;
  idbc-lecture-09-stored-procedures-part-1
                                                 String[] types = null;
  idbc-lecture-10-stored-procedures-part-2
  idbc-lecture-11-stored-procedures-part-3
                                                 Connection myConn = null;
  idbc-lecture-12-stored-procedures-part-4
                                                 ResultSet myRs = null;
  idbc-lecture-13-jdbc-transactions (in jdbc
  idbc-lecture-14-database-metadata (in jd
    myConn = DriverManager.getConnection(
      ## (default package)
                                                              "jdbc:mysql://localhost:3306/db zabala", "student", "student");
       > MetaDataBasicInfo.java
        ☑ Schemalnfo.iava
    Referenced Libraries
                                                     DatabaseMetaData databaseMetaData = myConn.getMetaData();
   > A JRE System Library [jdk-21]
    🗀 lib
                                                     System.out.println("List of Tables");
    🗁 sql
                                                     System.out.println("----");
      table-setup.sql
    myRs = databaseMetaData.getTables(catalog, schemaPattern, tableNamePattern,
  📂 jdbc-lecture-15-resultset-metadata (in jdk
                                                             types);
  idbc-lecture-16-blobs (in jdbc-blob)
  idbc-lecture-17-clobs (in idbc-clob)
                                                                                                                                                                                🥰 jdbc-lecture-18-database-configuration-p 📮 Console × 🕺 Problems 🛛 Debug Shell
                                    <terminated> Schemalnfo [Java Application] C:\Program Files\Java\idk-21\bin\javaw.exe (Nov 12, 2024, 7:37:01 PM - 7:37:02 PM) [pid: 8372]
  Lecture_03_Setting_Up_Dev_Environment
                                    List of Tables
                                     employees
                                     tb department zabala
                                     tb_employee
                                     tb_employee_zabala
                                     tb faculty zabala
                                     tb graduate candidate zabala
                                     tb list employees
                                     tb pet zabala
                                     tb zabala
                                                                                                                    Writable
```