package de.vogella.mysql.first;

**Bibliothek Einbindung**

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.Date;

public class MySQLAccess {

private Connection connect = null;

private Statement statement = null;

private PreparedStatement preparedStatement = null;

private ResultSet resultSet = null;

public void readDataBase()

throws Exception

{

try {

// This will load the MySQL driver, each DB has its own driver

Class.forName("com.mysql.jdbc.Driver");

// Setup the connection with the DB

connect = DriverManager

.getConnection("jdbc:mysql://localhost/feedback?"

+ "user=sqluser&password=sqluserpw");

// Statements allow to issue SQL queries to the database

statement = connect.createStatement();

// Result set get the result of the SQL query

resultSet = statement

.executeQuery("select \* from feedback.comments");

writeResultSet(resultSet);

// PreparedStatements can use variables and are more efficient

preparedStatement = connect

.prepareStatement("insert into feedback.comments values (default, ?, ?, ?, ? , ?, ?)");

// "myuser, webpage, datum, summary, COMMENTS from feedback.comments");

// Parameters start with 1

preparedStatement.setString(1, "Test");

preparedStatement.setString(2, "TestEmail");

preparedStatement.setString(3, "TestWebpage");

preparedStatement.setDate(4, new java.sql.Date(2009, 12, 11));

preparedStatement.setString(5, "TestSummary");

preparedStatement.setString(6, "TestComment");

preparedStatement.executeUpdate();

preparedStatement = connect

.prepareStatement("SELECT myuser, webpage, datum, summary, COMMENTS from feedback.comments");

resultSet = preparedStatement.executeQuery();

writeResultSet(resultSet);

// Remove again the insert comment

preparedStatement = connect

.prepareStatement("delete from feedback.comments where myuser= ? ; ");

preparedStatement.setString(1, "Test");

preparedStatement.executeUpdate();

resultSet = statement

.executeQuery("select \* from feedback.comments");

writeMetaData(resultSet);

} catch (Exception e) {

throw e;

} finally {

close();

}

}

private void writeMetaData(ResultSet resultSet) throws SQLException {

// Now get some metadata from the database

// Result set get the result of the SQL query

System.out.println("The columns in the table are: ");

System.out.println("Table: " + resultSet.getMetaData().getTableName(1));

for (int i = 1; i<= resultSet.getMetaData().getColumnCount(); i++){

System.out.println("Column " +i + " "+ resultSet.getMetaData().getColumnName(i));

}

}

private void writeResultSet(ResultSet resultSet) throws SQLException {

// ResultSet is initially before the first data set

while (resultSet.next()) {

// It is possible to get the columns via name

// also possible to get the columns via the column number

// which starts at 1

// e.g. resultSet.getSTring(2);

String user = resultSet.getString("myuser");

String website = resultSet.getString("webpage");

String summary = resultSet.getString("summary");

Date date = resultSet.getDate("datum");

String comment = resultSet.getString("comments");

System.out.println("User: " + user);

System.out.println("Website: " + website);

System.out.println("summary: " + summary);

System.out.println("Date: " + date);

System.out.println("Comment: " + comment);

}

}

// You need to close the resultSet

private void close() {

try {

if (resultSet != null) {

resultSet.close();

}

if (statement != null) {

statement.close();

}

if (connect != null) {

connect.close();

}

} catch (Exception e) {

}

}

}