import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.SQLException;

import java.util.Properties;

public class MySQLConnectExample {

public static void main(String[] args) {

// creates three different Connection objects

Connection conn1 = null;

Connection conn2 = null;

Connection conn3 = null;

try {

// connect way #1

String url1 = "jdbc:mysql://localhost:3306/test1";

String user = "root";

String password = "secret";

conn1 = DriverManager.getConnection(url1, user, password);

if (conn1 != null) {

System.out.println("Connected to the database test1");

}

// connect way #2

String url2 = "jdbc:mysql://localhost:3306/test2?user=root&password=secret";

conn2 = DriverManager.getConnection(url2);

if (conn2 != null) {

System.out.println("Connected to the database test2");

}

// connect way #3

String url3 = "jdbc:mysql://localhost:3306/test3";

Properties info = new Properties();

info.put("user", "root");

info.put("password", "secret");

conn3 = DriverManager.getConnection(url3, info);

if (conn3 != null) {

System.out.println("Connected to the database test3");

}

} catch (SQLException ex) {

System.out.println("An error occurred. Maybe user/password is invalid");

ex.printStackTrace();

}

}

}

//close the database connection in the finally clause like this:

finally {

if (conn != null) {

try {

conn.close();

} catch (SQLException ex) {

ex.printStackTrace();

}

}

}

//use the try-with-resource syntax that closes the connection automatically

try (Connection conn = DriverManager.getConnection(url, user, password)) {

if (conn != null) {

System.out.println("Connected to the database");

}

} catch (SQLException ex) {

System.out.println("An error occurred. Maybe user/password is invalid");

ex.printStackTrace();

}