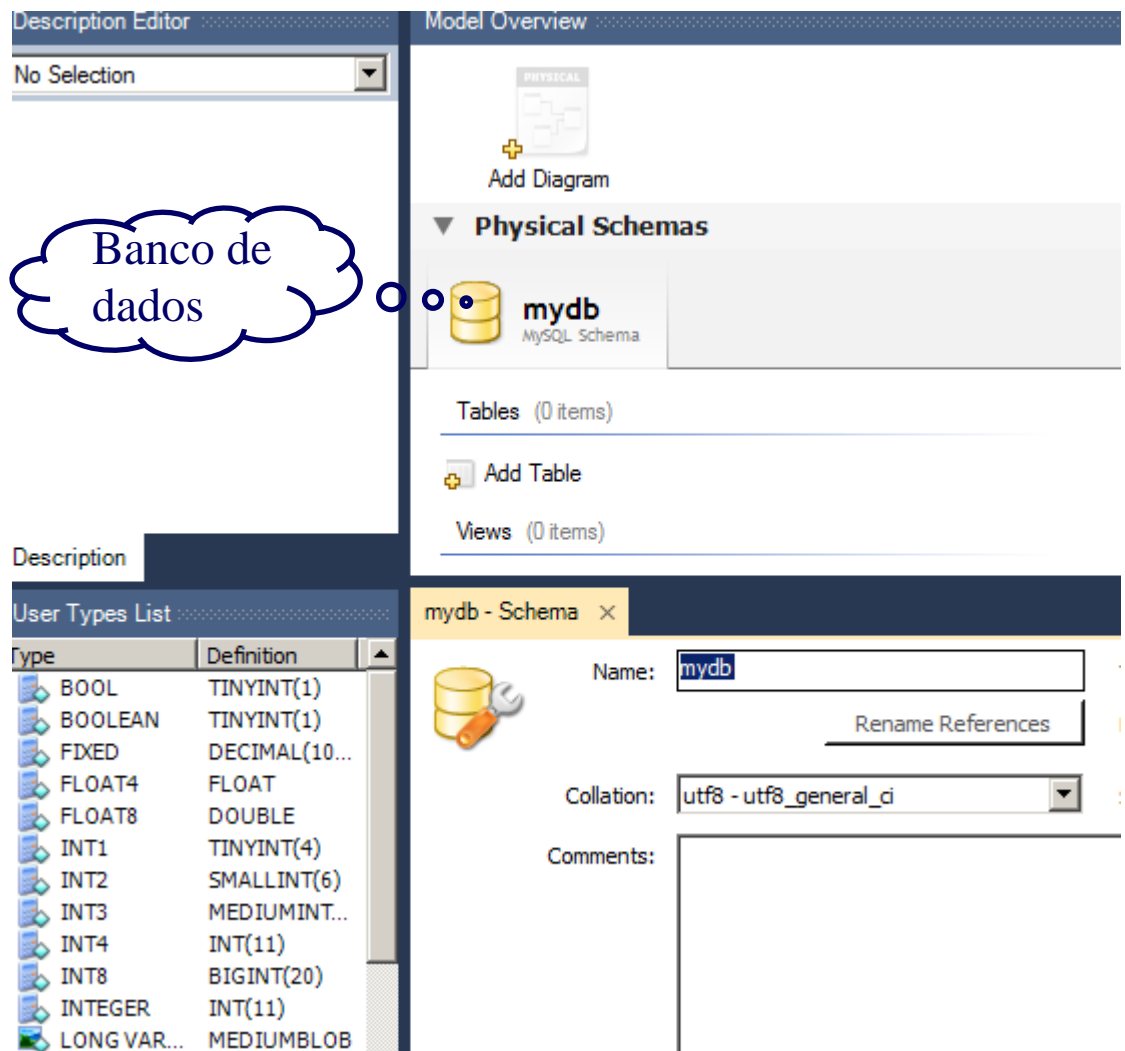
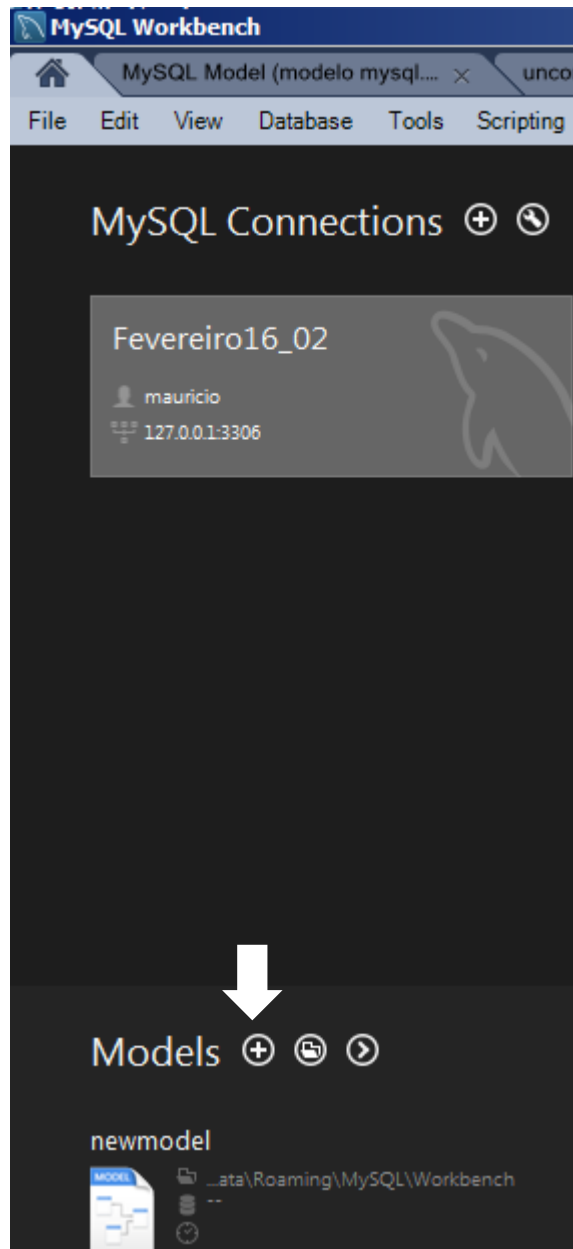


Criação de modelo MySQL



Criação de modelo MySQL

[illegible]

Criação de modelo MySQL

MySQL Model* (teste.mwb) x

Model Database Tools Scripting Help

Add Diagram Ctrl+T

Adição de diagrama EER

MySQL Workbench

unconnected x MySQL Model* (teste.mwb) x EER Diagram1 x

File Edit View Arrange Model Database Tools Scripting Help

Bird's Eye

Zoom: 100%

Diagram

arrastar a tabela

Catalog Tree

BT

Tables

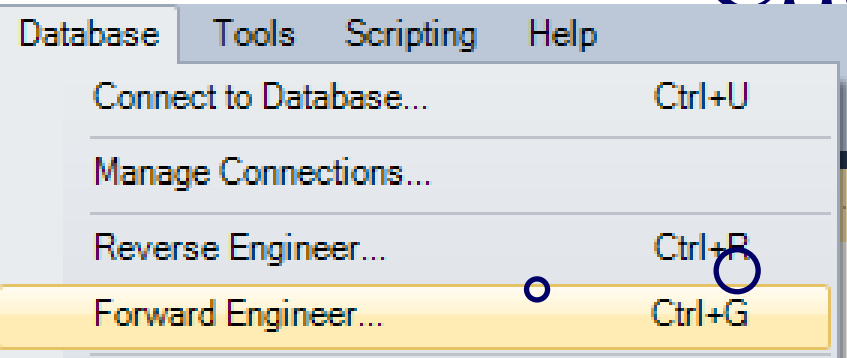
TB1

TB1

nome VARCHAR(45)

idade INT

Criação de modelo MySQL



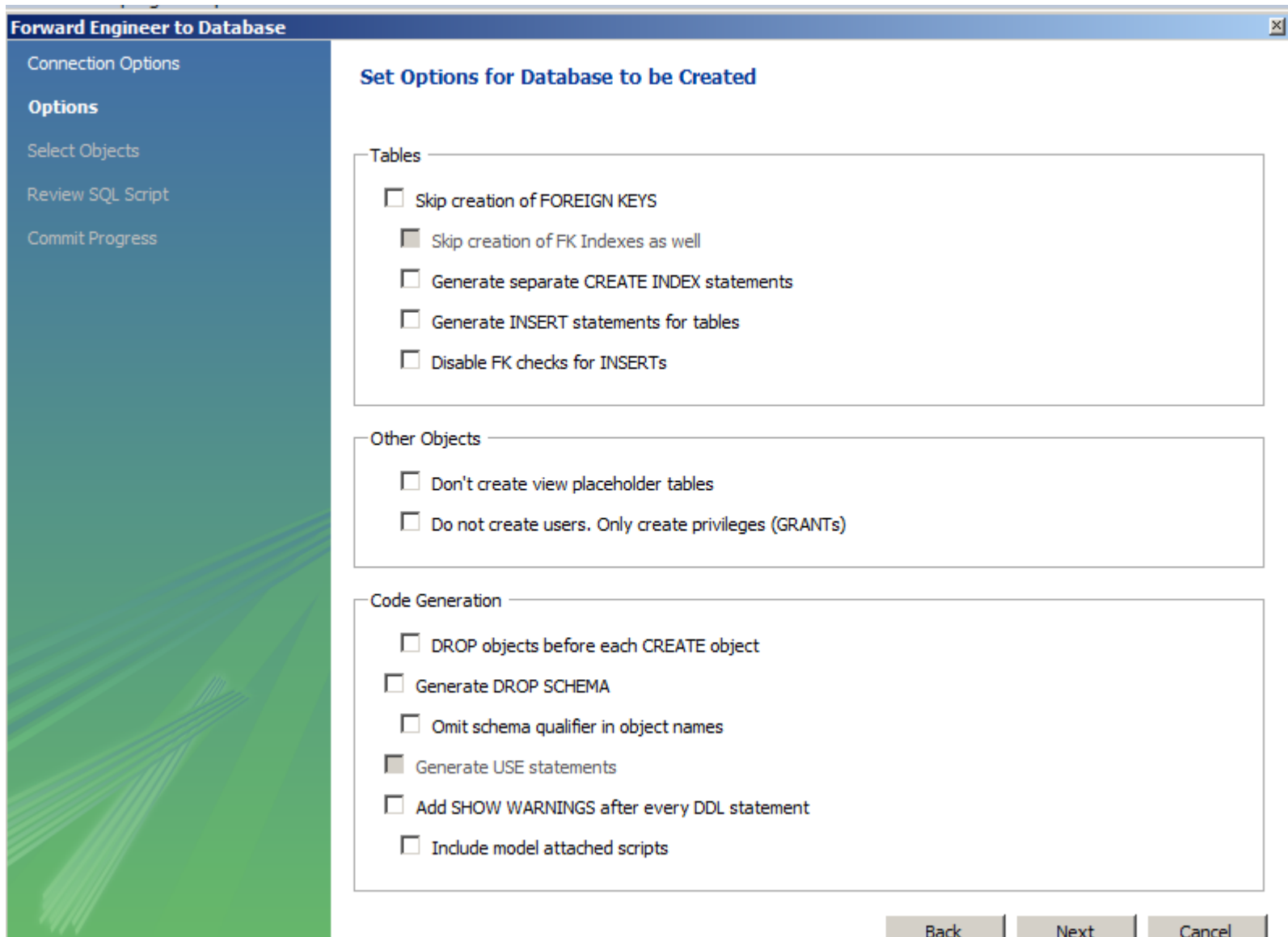
Set Parameters for Connecting to a DBMS

Stored Connection:	<input type="text" value="conexao"/>	Select from saved connection settings	
Connection Method:	<input type="text" value="Standard (TCP/IP)"/>	Method to use to connect to the RDBMS	
Parameters SSL Advanced			
Hostname:	<input type="text" value="127.0.0.1"/>	Port: <input type="text" value="3306"/>	Name or IP address of the server host, - and TCP/IP port.
Username:	<input type="text" value="mauricio"/>		Name of the user to connect with.
Password:	<input type="button" value="Store in Vault ..."/>	<input type="button" value="Clear"/>	The user's password. Will be requested later if it's not set.
Default Schema:	<input type="text"/>		The schema to use as default schema. Leave blank to select it later.

Forward Engineer
Configuração
do banco de
dados

Criação de modelo MySQL

Forward Engineer



The screenshot shows the 'Forward Engineer to Database' application window. On the left is a sidebar with a blue header and a green gradient background. The sidebar contains the following menu items: 'Connection Options', 'Options' (highlighted), 'Select Objects', 'Review SQL Script', and 'Commit Progress'. The main area of the window is titled 'Set Options for Database to be Created' and contains three sections of options, each with a title bar and a list of checkboxes.

Forward Engineer to Database

Options

Connection Options

Select Objects

Review SQL Script

Commit Progress

Set Options for Database to be Created

Tables

- ☐ Skip creation of FOREIGN KEYS
 - ☒ Skip creation of FK Indexes as well
- ☐ Generate separate CREATE INDEX statements
- ☐ Generate INSERT statements for tables
- ☐ Disable FK checks for INSERTs

Other Objects

- ☐ Don't create view placeholder tables
- ☐ Do not create users. Only create privileges (GRANTS)

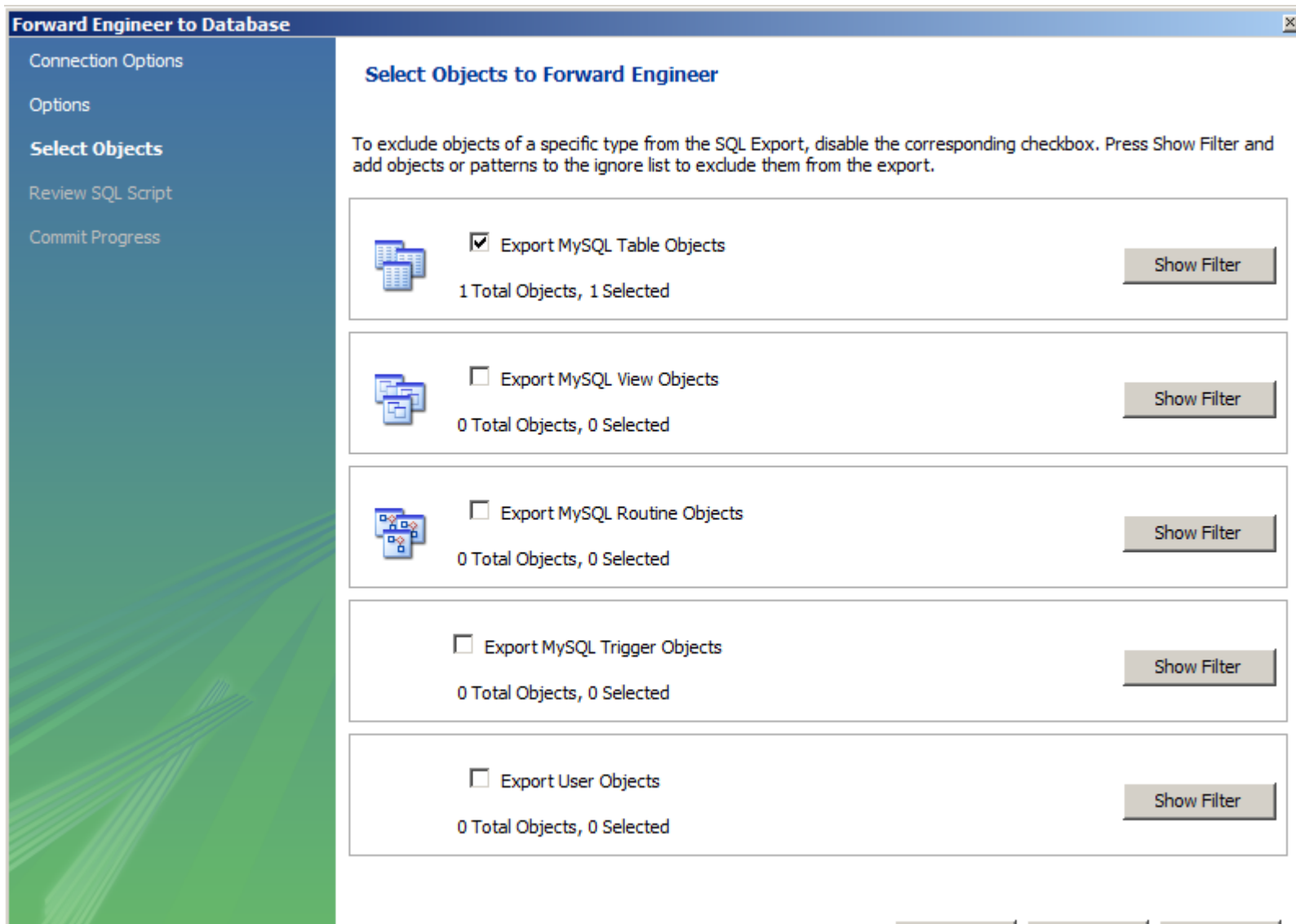
Code Generation

- ☐ DROP objects before each CREATE object
- ☐ Generate DROP SCHEMA
 - ☐ Omit schema qualifier in object names
- ☒ Generate USE statements
- ☐ Add SHOW WARNINGS after every DDL statement
- ☐ Include model attached scripts

Back | Next | Cancel

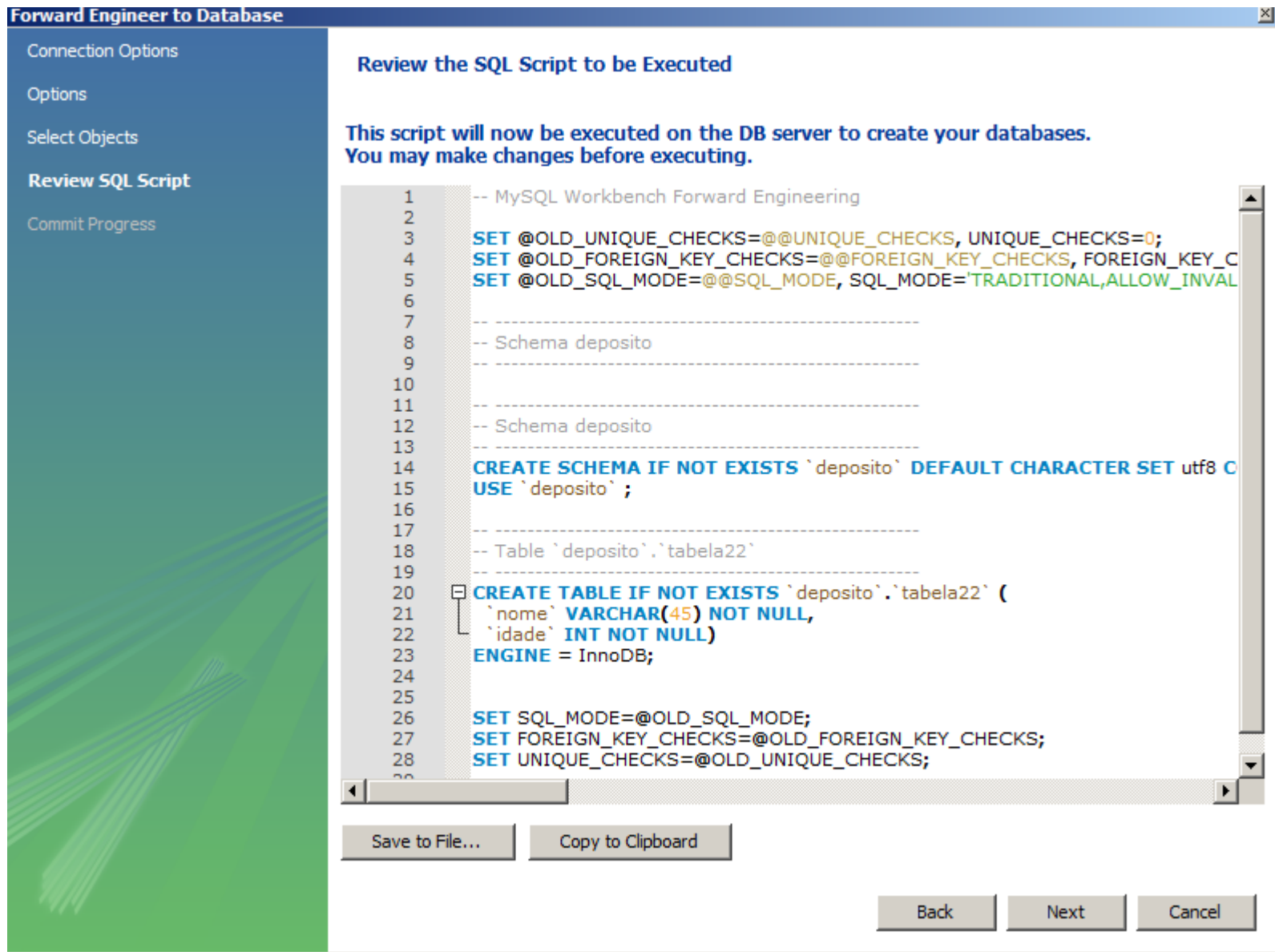
Criação de modelo MySQL

Forward Engineer



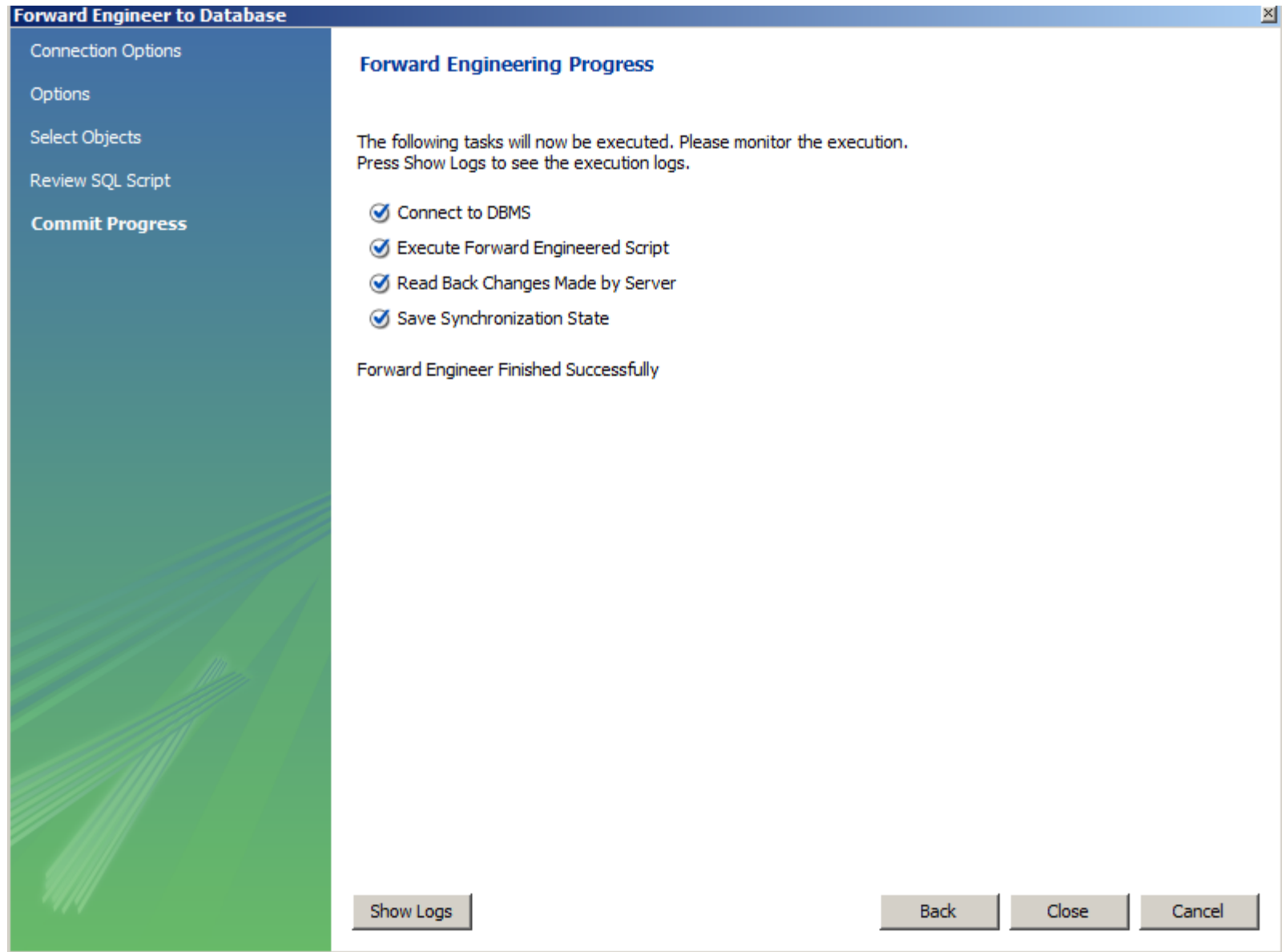
Criação de modelo MySQL

Forward Engineer



Criação de modelo MySQL

Forward Engineer



Criação de modelo MySQL

Synchronize Model

Synchronize Model with Database

Connection Options

- Sync Options
- Connect to DBMS
- Select Schemata
- Retrieve Objects
- Select Changes to Apply
- Review DB Changes
- Synchronize Progress

Set Parameters for Connecting to a DBMS

Stored Connection: Select from saved connection settings

Connection Method: Method to use to connect to the RDBMS

Parameters | SSL | Advanced

Hostname: Port: Name or IP address of the server host.
- and TCP/IP port.

Username: Name of the user to connect with.

Password: Store in Vault ... Clear The user's password. Will be requested
later if it's not set.

Default Schema: The schema to use as default schema.
Leave blank to select it later.

Back Next Cancel

Criação de modelo MySQL

Synchronize Model

Synchronize Model with Database

Connection Options

Sync Options

Connect to DBMS

Select Schemata

Retrieve Objects

Select Changes to Apply

Review DB Changes

Synchronize Progress

Set Options for Synchronization Script

Compare Options

- ☐ Skip synchronization of Triggers
- ☐ Skip synchronization of Stored Procedures and Functions
- ☐ Skip checking of Routine Definer

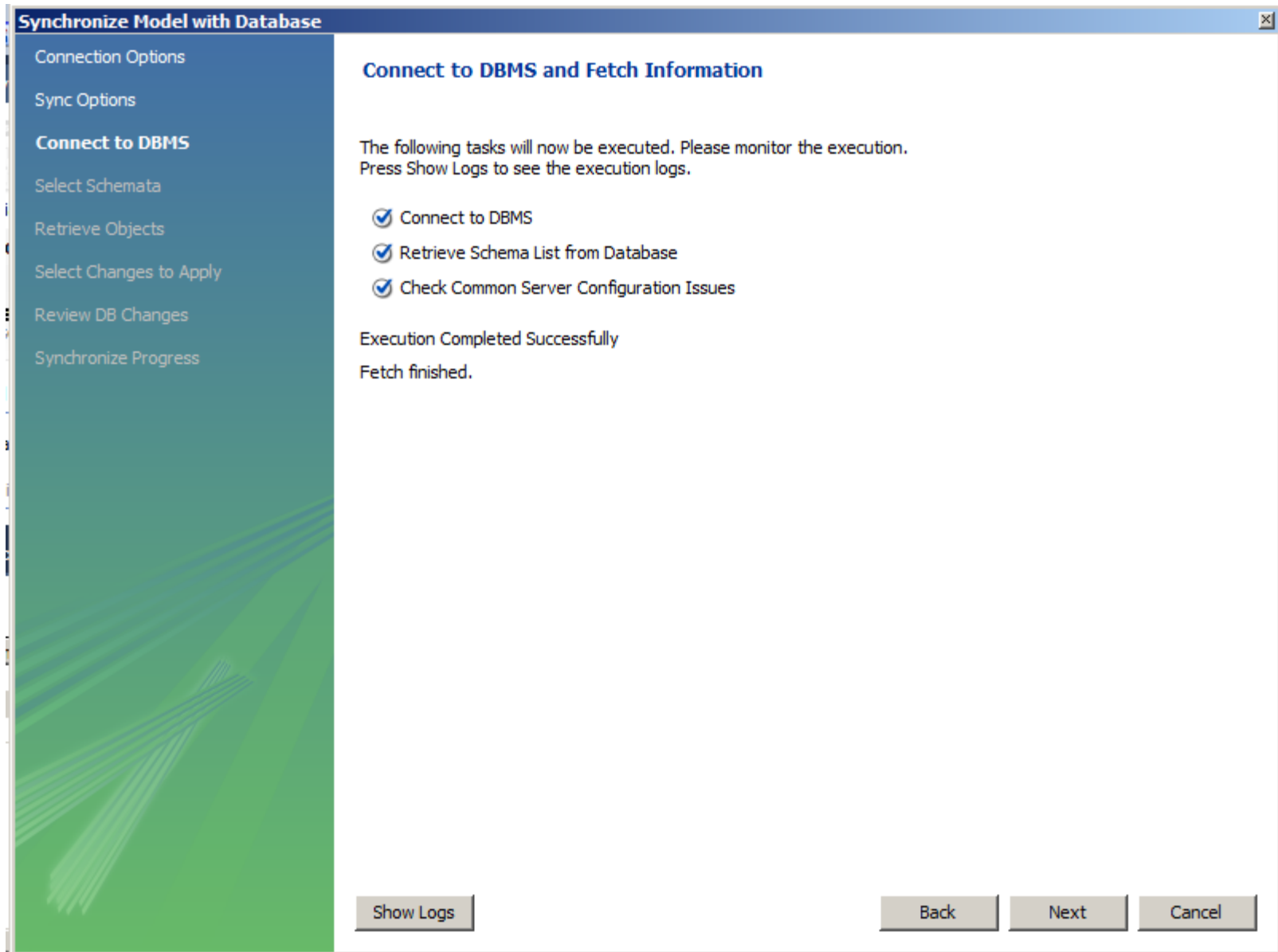
Generation Options

- ☐ Omit Schema Qualifier in Object Names
- ☐ Include SQL Scripts Attached to Model

Back Next Cancel

Criação de modelo MySQL

Synchronize Model




Criação de modelo MySQL


Synchronize Model

Synchronize Model with Database

Connection Options
Sync Options
Connect to DBMS
Select Schemata
Retrieve Objects
Select Changes to Apply
Review DB Changes
Synchronize Progress

Select the Schemata to be Synchronized

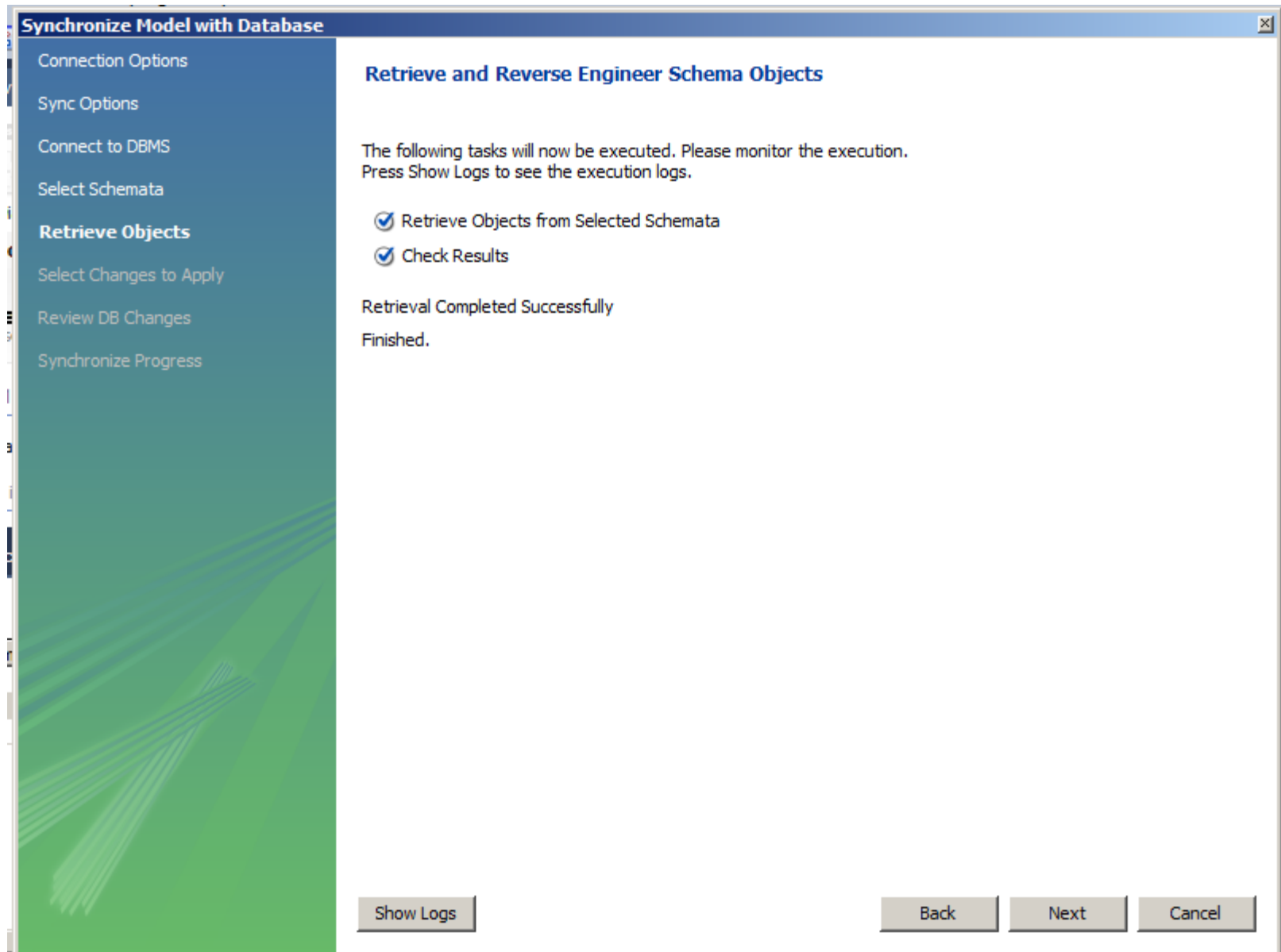
 Select the Schemata to be Synchronized:

	Model Schema	RDBMS Schema
<input checked="" type="checkbox"/>	 deposito	deposito

Override target schema to be synchronized with:

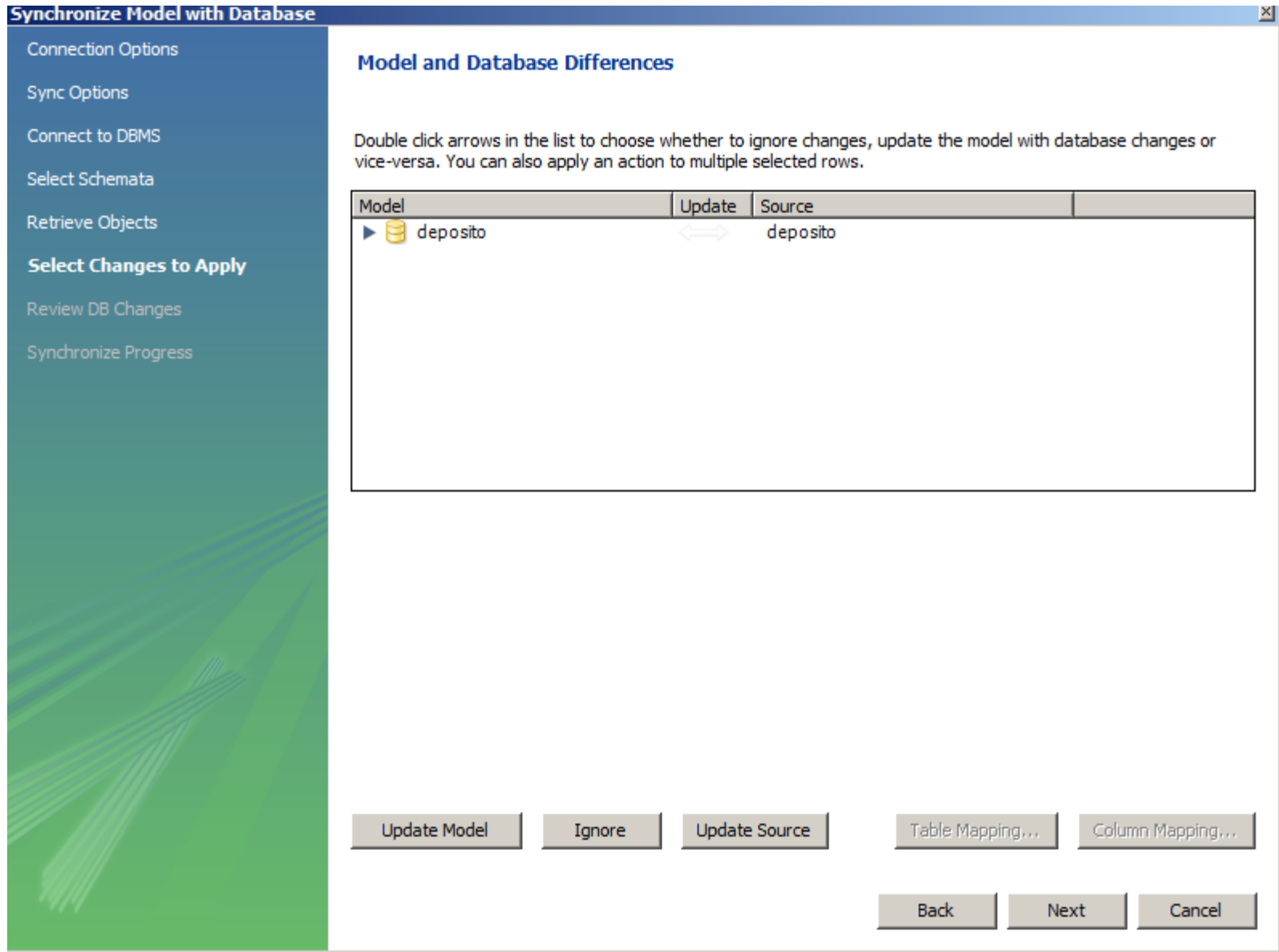
Criação de modelo MySQL

Synchronize Model



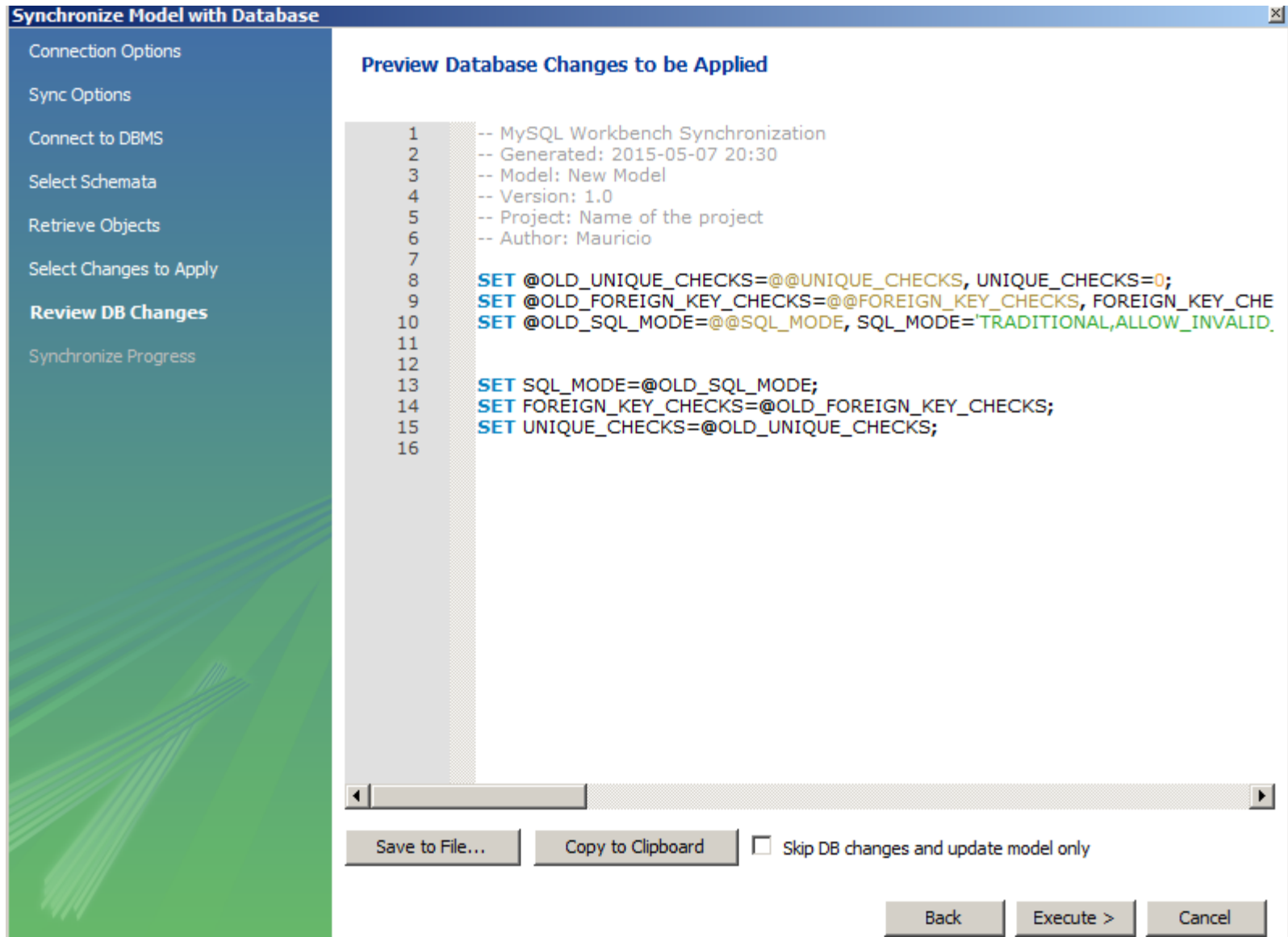
Criação de modelo MySQL

Synchronize Model



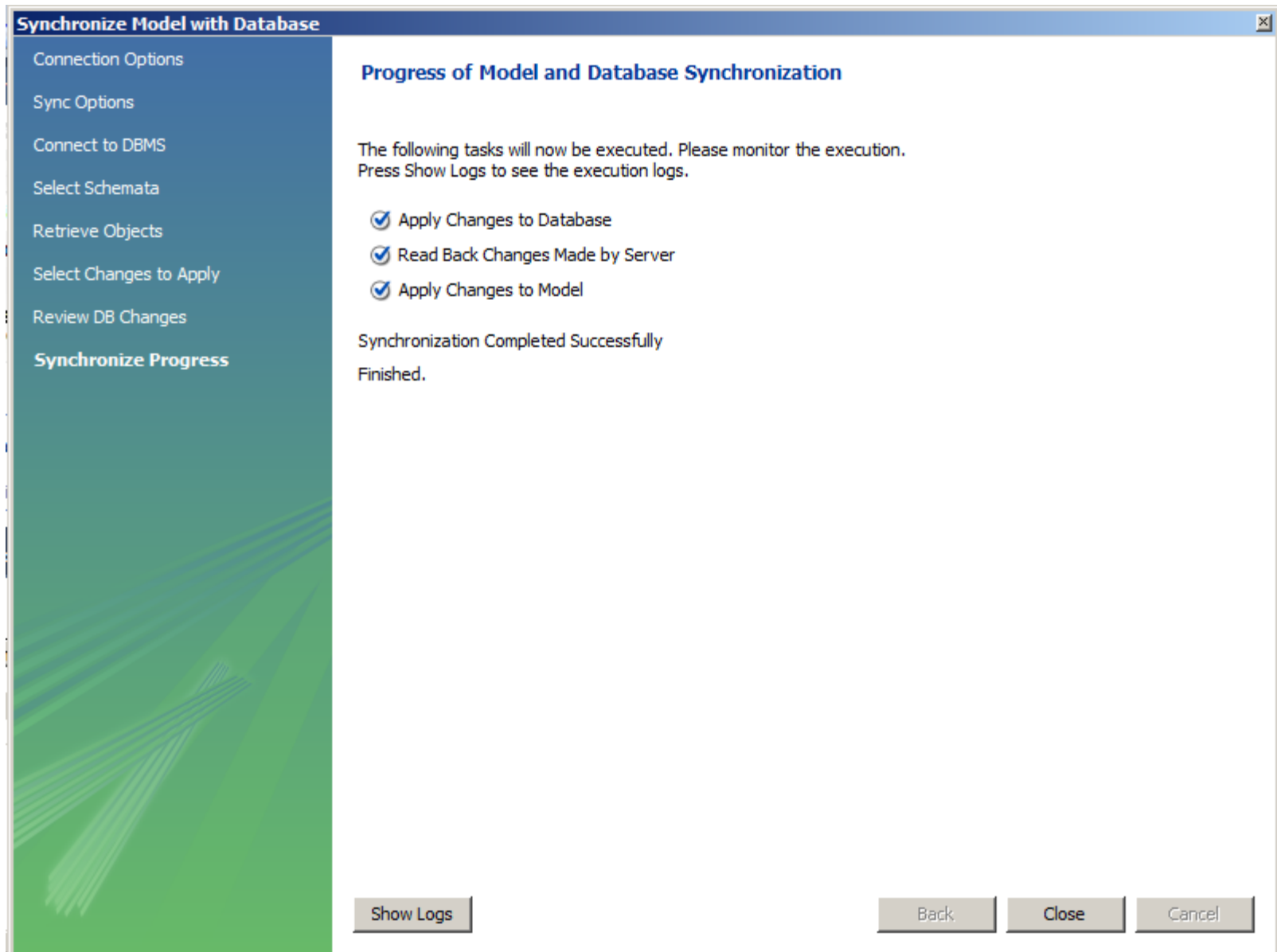
Criação de modelo MySQL

Synchronize Model



Criação de modelo MySQL

Synchronize Model



Criação de modelo MySQL

MySQL Workbench

MySQL Model (teste.mwb) x unconnected x

File Edit View Query Database Server Tools Scripting Help

Connect to Database... Ctrl+U

Navigator


SCHEMAS

Filter objects

- bd000
- bd001
- bd006
- bd009
- bd010
- bd011
- bd012
- sakila
- schema
- test
- world

Query 1 Administration - Server Status x

Connection Name



Host: Mauricio-PC
Socket: MySQL
Port: 3306
Version: 5.6.22-log
MySQL Community Server (GPL)
Compiled For: Win64 (x86_64)
Configuration File: C:\Program Files\MySQL\MySQL Server 5.0\my.ini
Running Since: Thu May 07 15:13:06 2015 (4:39)

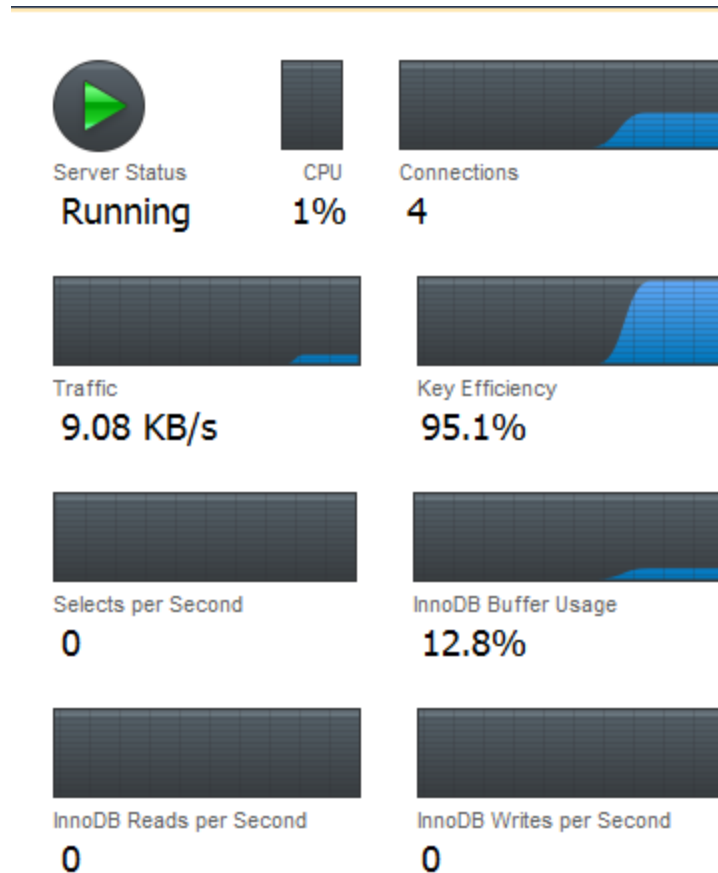
Refresh

Available Server Features

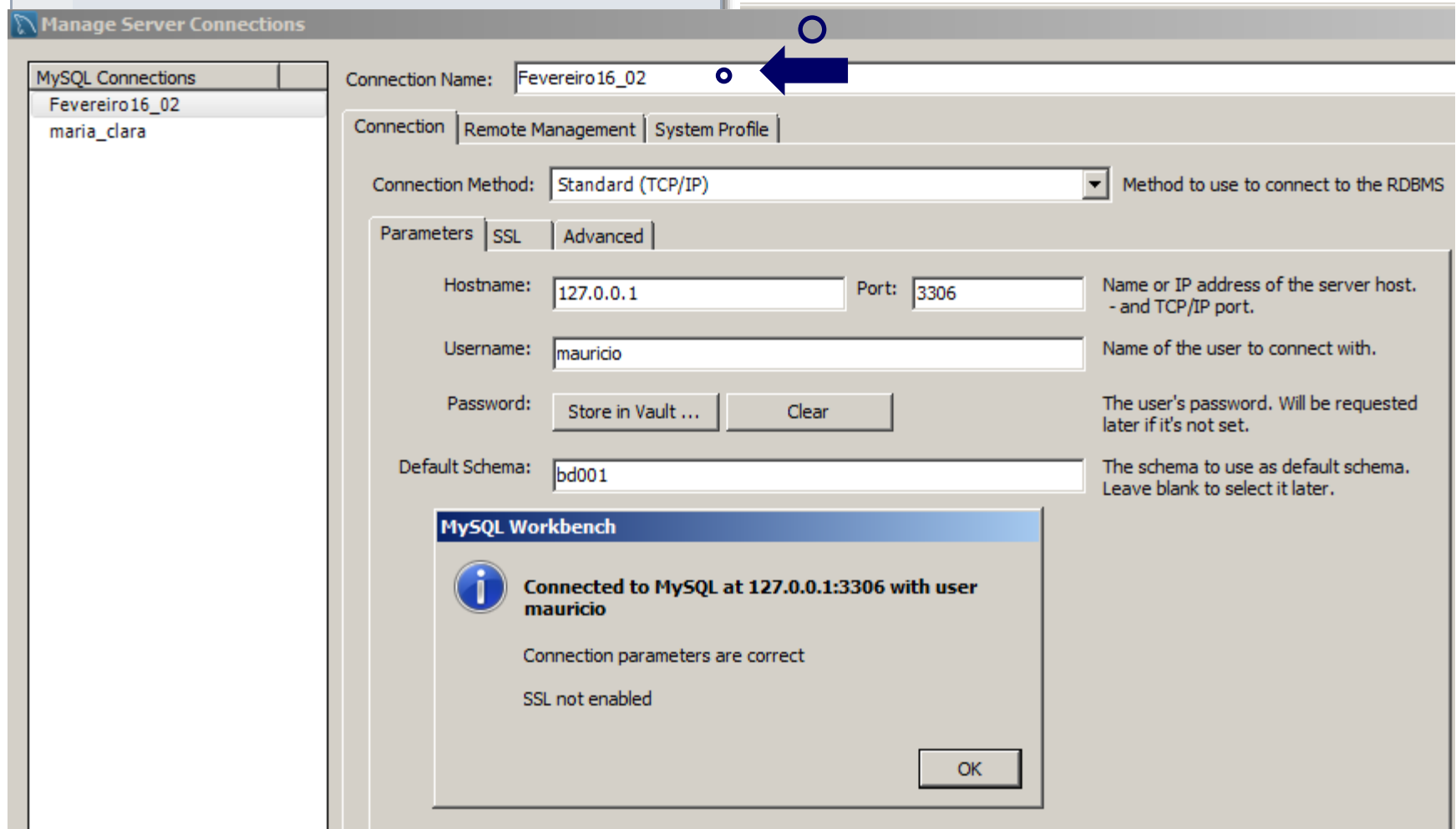
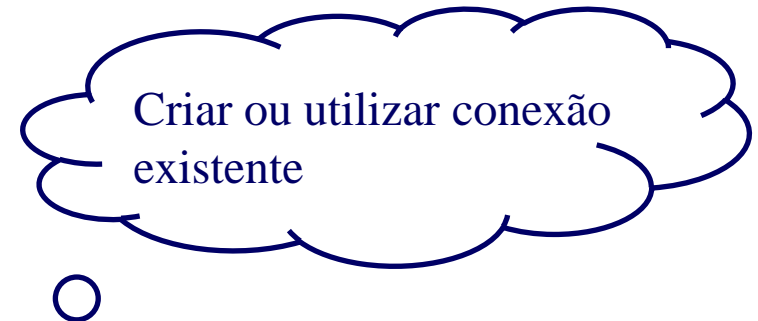
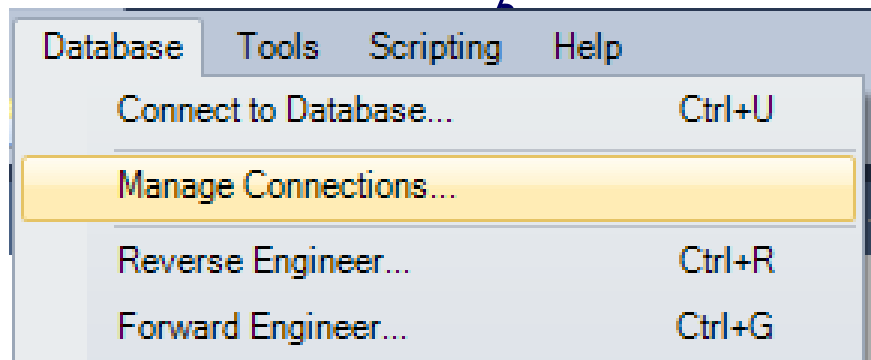
Performance Schema:	<input checked="" type="radio"/> On	SSL Availability:	<input type="radio"/> Off
Thread Pool:	<input type="radio"/> n/a	Windows Authentication:	<input type="radio"/> Off
Memcached Plugin:	<input type="radio"/> n/a	Password Validation:	<input type="radio"/> n/a
Semisync Replication Plugin:	<input type="radio"/> n/a	Audit Log:	<input type="radio"/> n/a

Criação de modelo MySQL

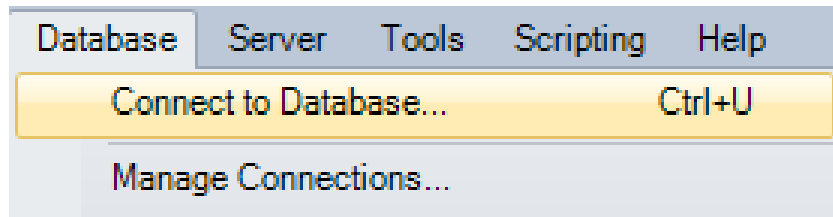
conectar com banco de dados



Criação de modelo MySQL



Criação de modelo MySQL

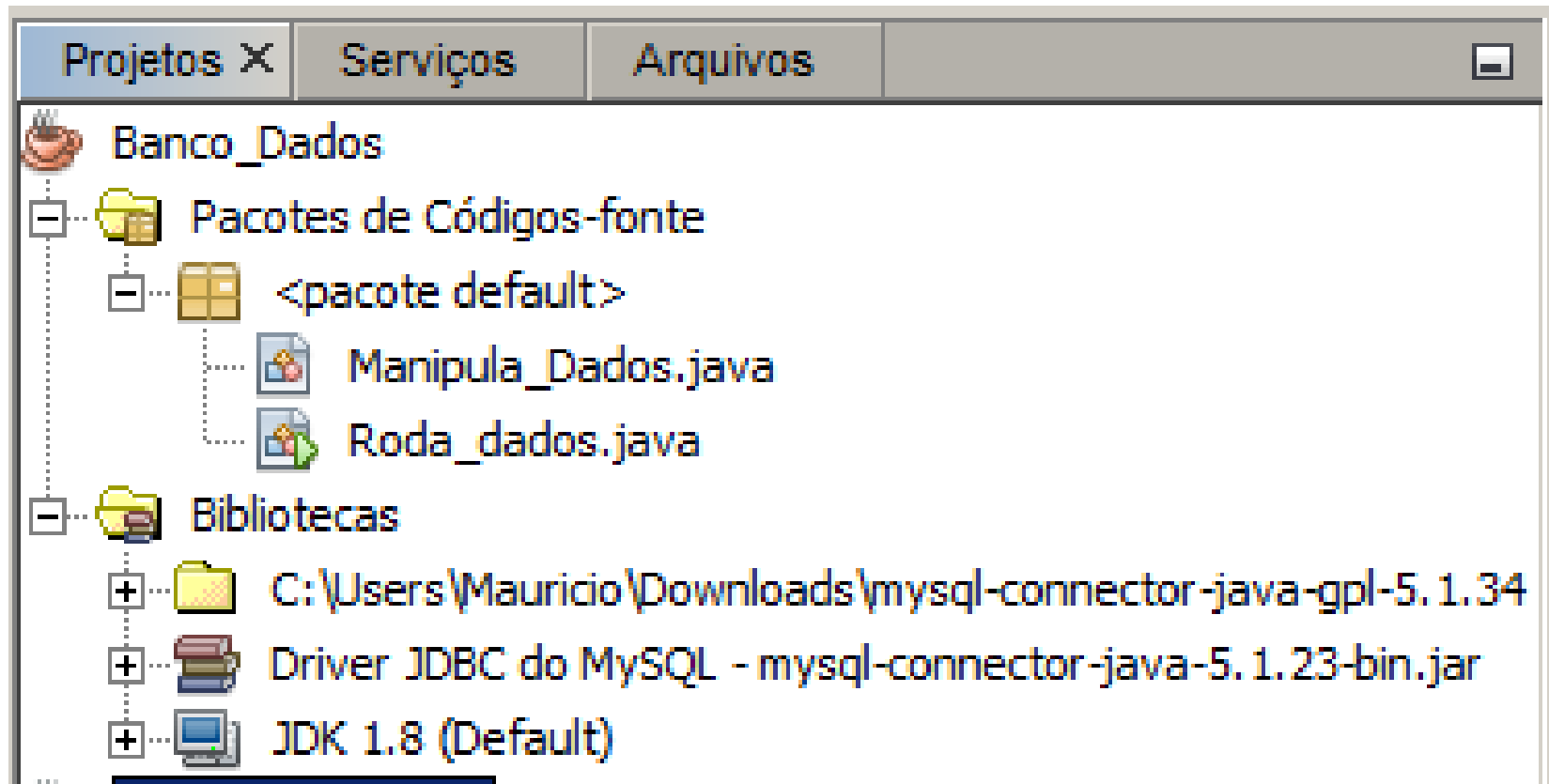


Conectar utilizando a conexão

A screenshot of the 'Connect to Database' dialog box. The 'Stored Connection' dropdown is set to 'Fevereiro16_02'. The 'Connection Method' dropdown is set to 'Standard (TCP/IP)'. The 'Parameters' tab is selected, showing fields for 'Hostname' (127.0.0.1), 'Port' (3306), 'Username' (mauricio), 'Password' (with 'Store in Vault ...' and 'Clear' buttons), and 'Default Schema' (bd001). Each field has a descriptive text label to its right. At the bottom right are 'OK' and 'Cancel' buttons.

Stored Connection:	Fevereiro16_02	Select from saved connection settings
Connection Method:	Standard (TCP/IP)	Method to use to connect to the RDBMS
Parameters SSL Advanced		
Hostname:	127.0.0.1	Port: 3306
Name or IP address of the server host, - and TCP/IP port.		
Username:	mauricio	
Name of the user to connect with.		
Password:	Store in Vault ... Clear	
The user's password. Will be requested later if it's not set.		
Default Schema:	bd001	
The schema to use as default schema. Leave blank to select it later.		
OK Cancel		

Projeto



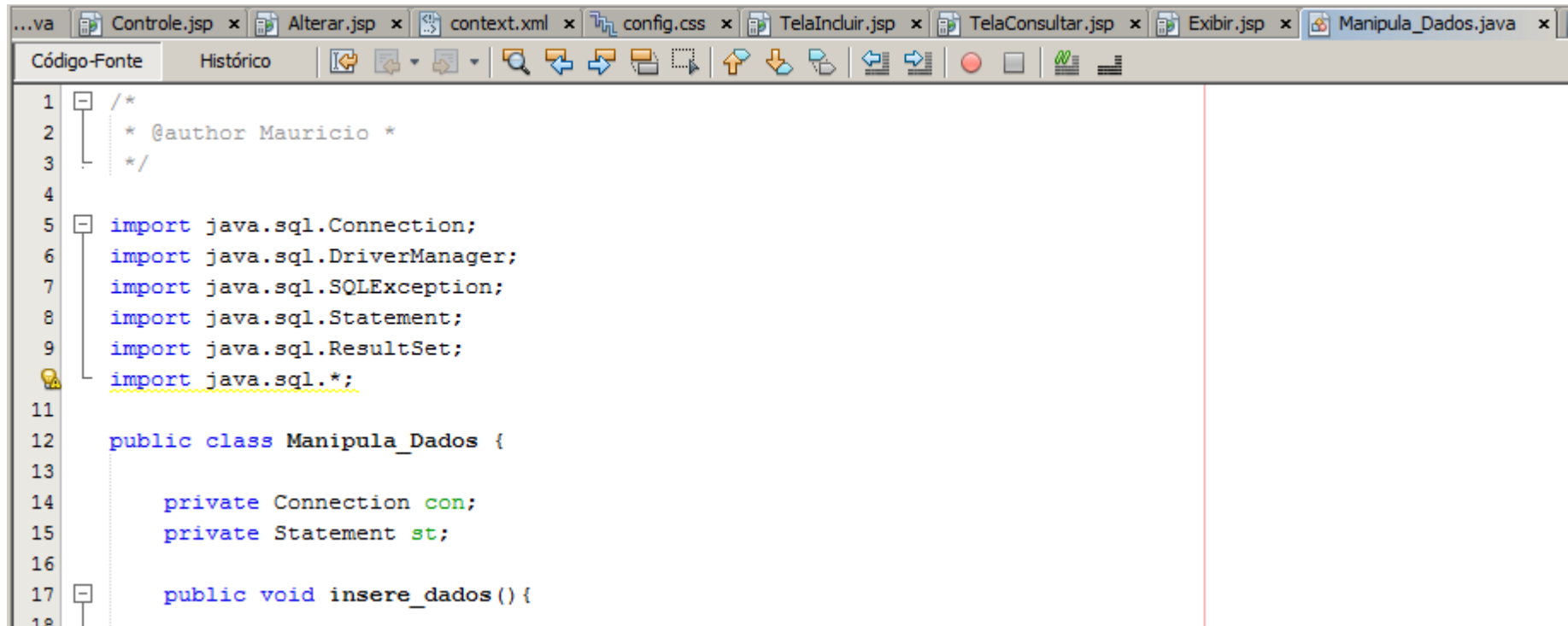
Classe que invoca os métodos de acesso ao banco de dados

```
/**
 *
 * @author Mauricio
 */
public class Roda_dados {

    public static void main (String args[]){
        Manipula_Dados d = new Manipula_Dados();
        d.insere_dados();
        d.le_dados();
    }

}
```

Classe de acesso e manipulação do banco de dados



```
1  /*
2   * @author Mauricio *
3   */
4
5  import java.sql.Connection;
6  import java.sql.DriverManager;
7  import java.sql.SQLException;
8  import java.sql.Statement;
9  import java.sql.ResultSet;
10 import java.sql.*;
11
12  public class Manipula_Dados {
13
14      private Connection con;
15      private Statement st;
16
17      public void insere_dados() {
18
```

Classe de acesso e manipulação do banco de dados

```
try {  
    Class.forName("com.mysql.jdbc.Driver");  
    con = DriverManager.getConnection("jdbc:mysql://localhost:3306/deposito", "mauricio", "brunoa");  
    st = con.createStatement();  
  
    st.executeUpdate("INSERT INTO tabela22(nome, idade) VALUES ('Dudu', 13 )");  
  
    System.out.println("sucesso inserindo dados");  
  
    st.close();  
    con.close();  
  
} catch (java.lang.ClassNotFoundException a) {  
    System.err.println("erro escrevendo dados: " + a.getMessage());  
}  
  
catch (SQLException a) {  
    System.err.println("exceção " + a.getMessage());  
}  
  
catch (Exception ex1) {  
    System.err.println("exceção1 " + ex1.getMessage());  
}  
}
```


Classe de acesso e manipulação do banco de dados

```
public void le_dados() {
    String b = "";
    int c = 0;
    try {

        Class.forName("com.mysql.jdbc.Driver");
        con = DriverManager.getConnection("jdbc:mysql://localhost:3306/deposito", "mauricio", "brunoa");
        st = con.createStatement();

        String consulta = "SELECT * FROM tabela22";
        ResultSet resultado = st.executeQuery(consulta);

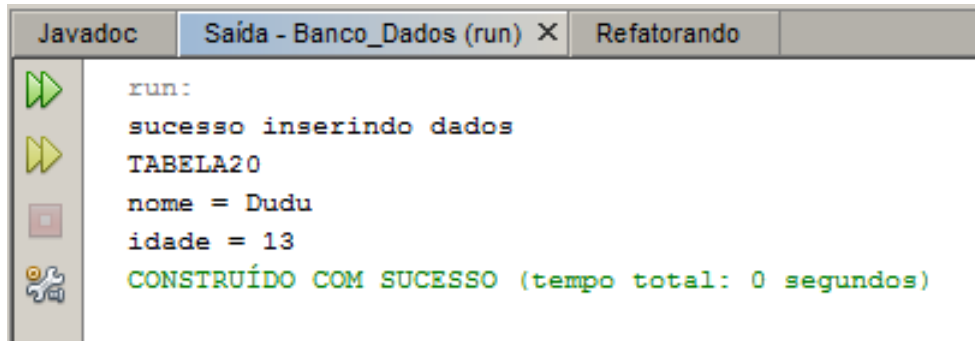
        String saida = "TABELA20" + "\n";

        while (resultado.next()) {
            b = resultado.getString("nome");
            c = resultado.getInt("idade");
        }
    }
}
```

Classe de acesso e manipulação do banco de dados

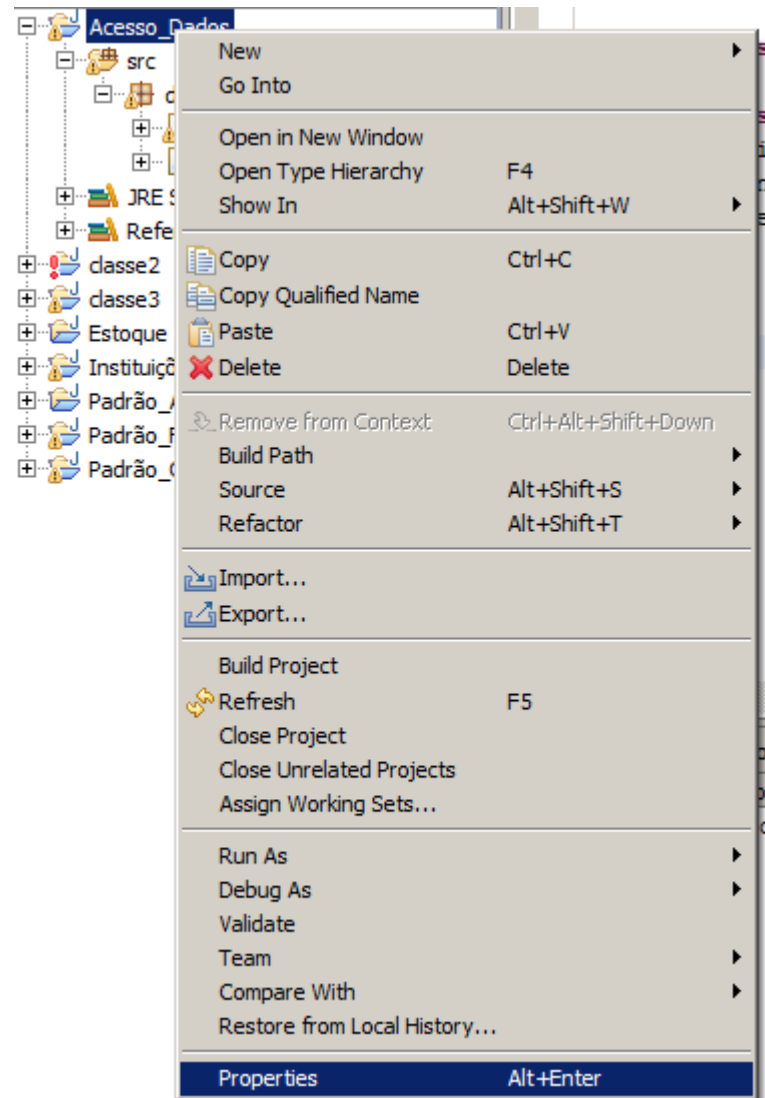
```
saida += "nome = " + b + "\n" + "idade = " + c;  
System.out.println(saida);  
  
st.close();  
con.close();  
  
} catch (java.lang.ClassNotFoundException a) {  
    System.err.println("erro lendo dados: " + a.getMessage());  
}  
  
    catch (SQLException a) {  
        System.err.println("exceção " + a.getMessage());  
    }  
  
    catch (Exception ex1) {  
        System.err.println("exceção1 " + ex1.getMessage());  
    }  
}  
}
```

console



```
run:  
sucesso inserindo dados  
TABELA20  
nome = Dudu  
idade = 13  
CONSTRUÍDO COM SUCESSO (tempo total: 0 segundos)
```

Uso do Eclipse



Uso do Eclipse

