



Escola Superior de Tecnologia e Gestão  
Instituto Politécnico da Guarda



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# SETUP USBWEBSERVER MYSQL WORKBENCH

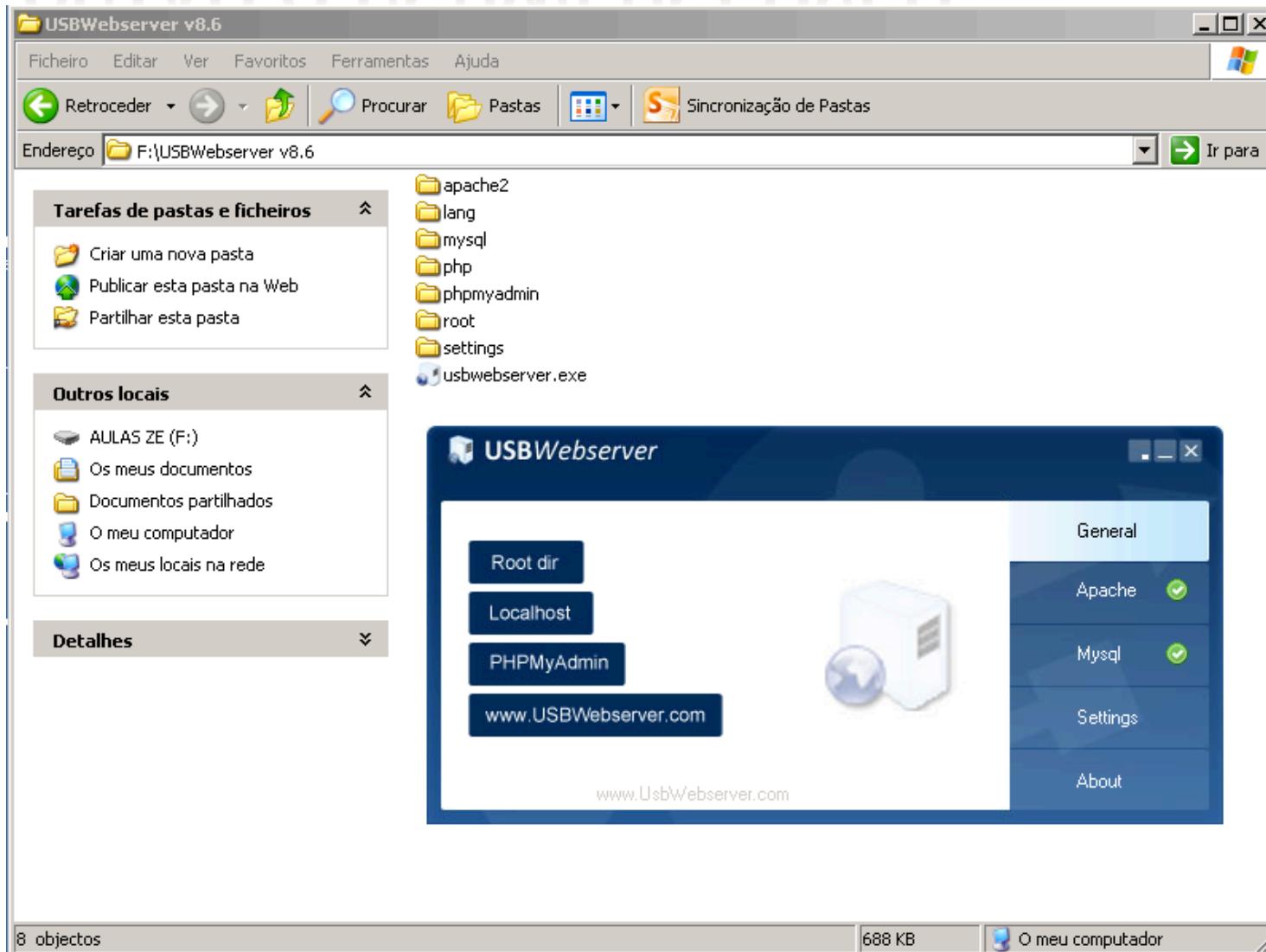
José Carlos Fonseca, 2015



# SETUP USBWEBSERVER E MYSQL WORKBENCH

- Setup inicial do servidor de MySQL e sua verificação:
  1. Iniciar o servidor de MySQL, usando o USBWebServer
  2. Iniciar o Mysql Workbench
  3. Executar o script de criação das tabelas de exemplo
  4. Executar o primeiro comando SQL

# EXECUTAR O USBWEBSERVER





# EXECUTAR O MYSQL WORKBENCH

**MySQL Workbench**

File Edit View Database Plugins Scripting Help ORACLE

**Workbench Central**

Welcome to MySQL Workbench

What's New in This Release?  
Read about all changes in this MySQL Workbench release.

MySQL Doc Library MySQL Utilities Database Migration MySQL Bug Reporter Workbench Blogs Planet MySQL Workbench Forums Scripting Shell

**Workspace**

**SQL Development**  
Connect to existing databases and run SQL Queries, SQL scripts, edit data and manage database objects.

**Data Modeling**  
Create and manage models, forward & reverse engineer, compare and synchronize schemas, report.

**Server Administration**  
Configure your database server, setup user accounts, browse status variables and server logs.

**Open Connection to Start Querying**  
Or click a DB connection to open the SQL Editor.

**Open Existing EER Model**  
Or select a model to open or click here to browse.

**sakila\_full**  
Last modified Thu Feb 14 21:54:08 2013

**Server Administration**  
Or click to manage a database server instance.

**New Connection**  
Add a new database connection for querying.

**Edit Table Data**  
Select a connection and schema table to edit.

**Edit SQL Script**  
Open an existing SQL Script file for editing.

**Manage Connections**  
Modify connection settings or add connections.

**Create New EER Model**  
Create a new EER Model from scratch.

**Create EER Model From Existing Database**  
Create by connecting and reverse engineering.

**Create EER Model From SQL Script**  
Import an existing SQL file.

**New Server Instance**  
Register a new server instance to manage.

**Manage Import / Export**  
Create a dump file or restore data from a file.

**Manage Security**  
Manage user accounts and assign privileges.

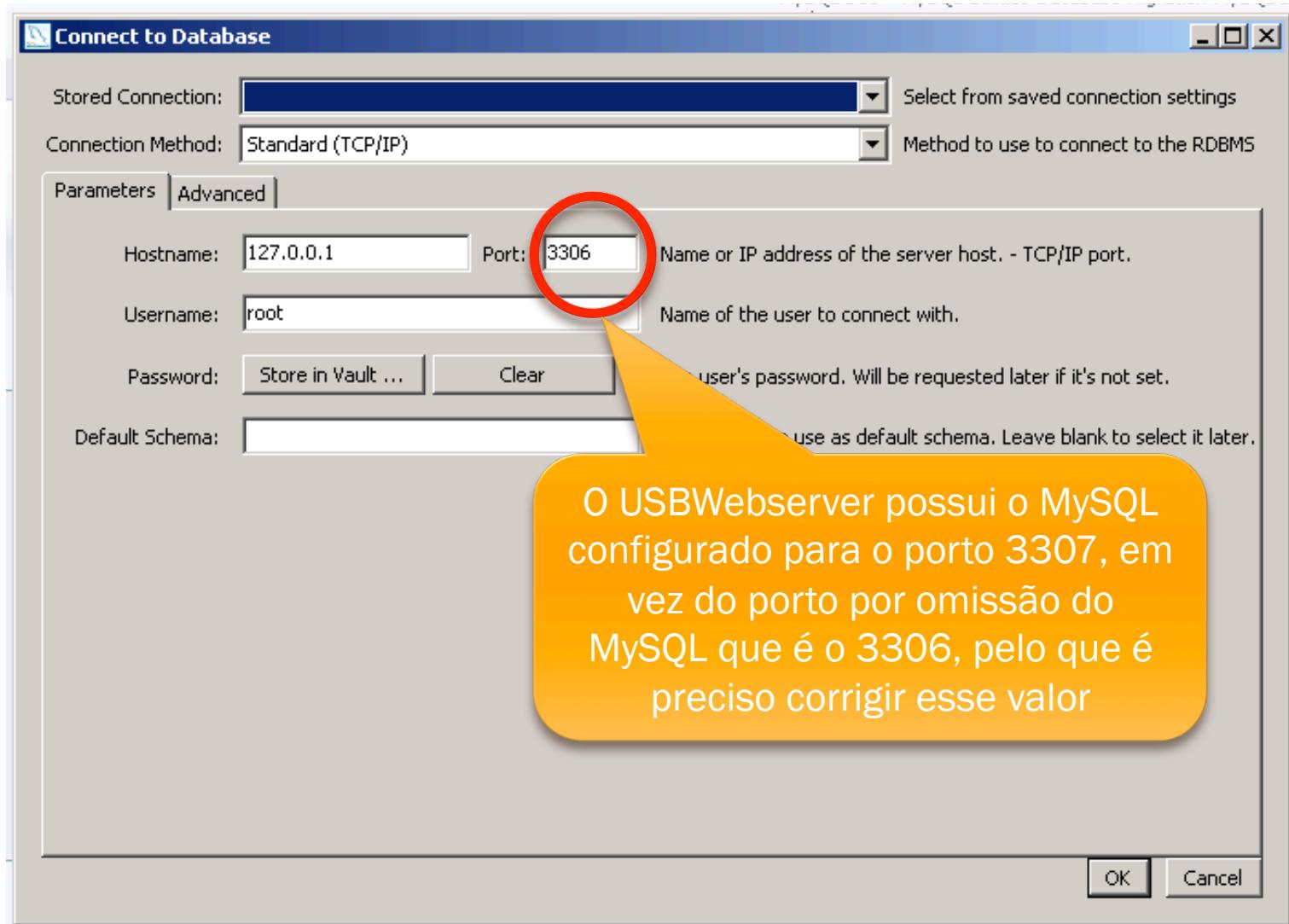
**Manage Server Instances**  
Add, delete and update server instance settings.

Ready.

Iniciar X-MySQLWorkbench\_5.2... USBWebserver MySQL Workbench

PT 19:43

# OPÇÕES DE LIGAÇÃO





# PORTO DO MYSQL

**Connect to Database**

Stored Connection:

Connection Method: Standard (TCP/IP)

Parameters Advanced

Hostname: 127.0.0.1 Port: **3307** Name or IP address of the server host. - TCP/IP port.

Username: root Name of the user to connect with.

Password:   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.

OK Cancel



# PASSWORD DO MYSQL



A password do utilizador root do MySQL do USBWebserver é usbw



# EDITOR DE MYSQL

MySQL Workbench

SQL Editor [Mysql@127.0.0.1 ...]

File Edit View Query Database Plugins Scripting Help

ORACLE

Object Browser

SCHEMAS

Search objects

test

Information

No object selected

Object Info Session

Output

Action Output

Time Action Message Duration / Fetch

MySQL Workbench

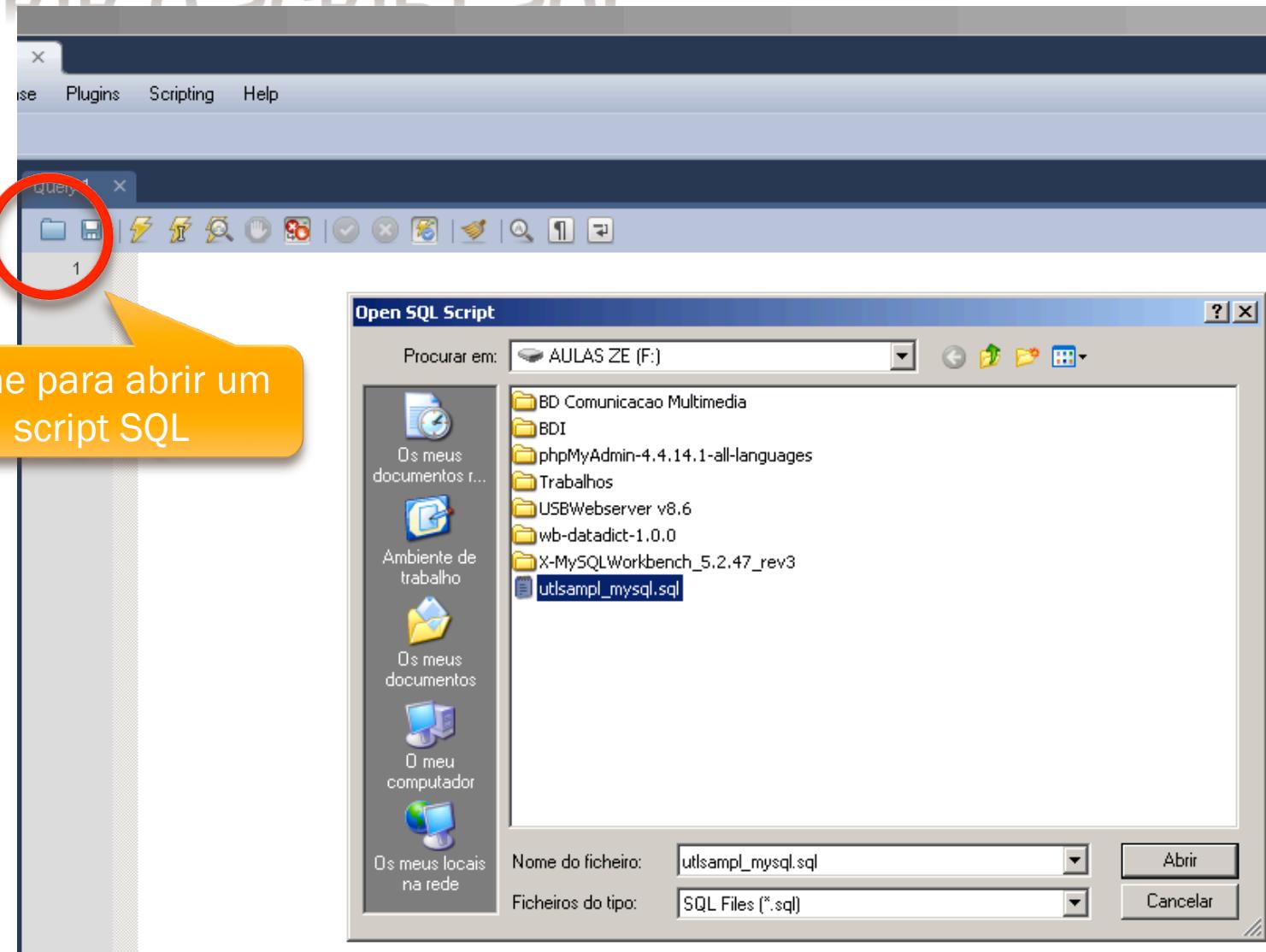
Iniciar

USBWebserver

MySQL Workbench

20:37

# ABRIR O SCRIPT SQL



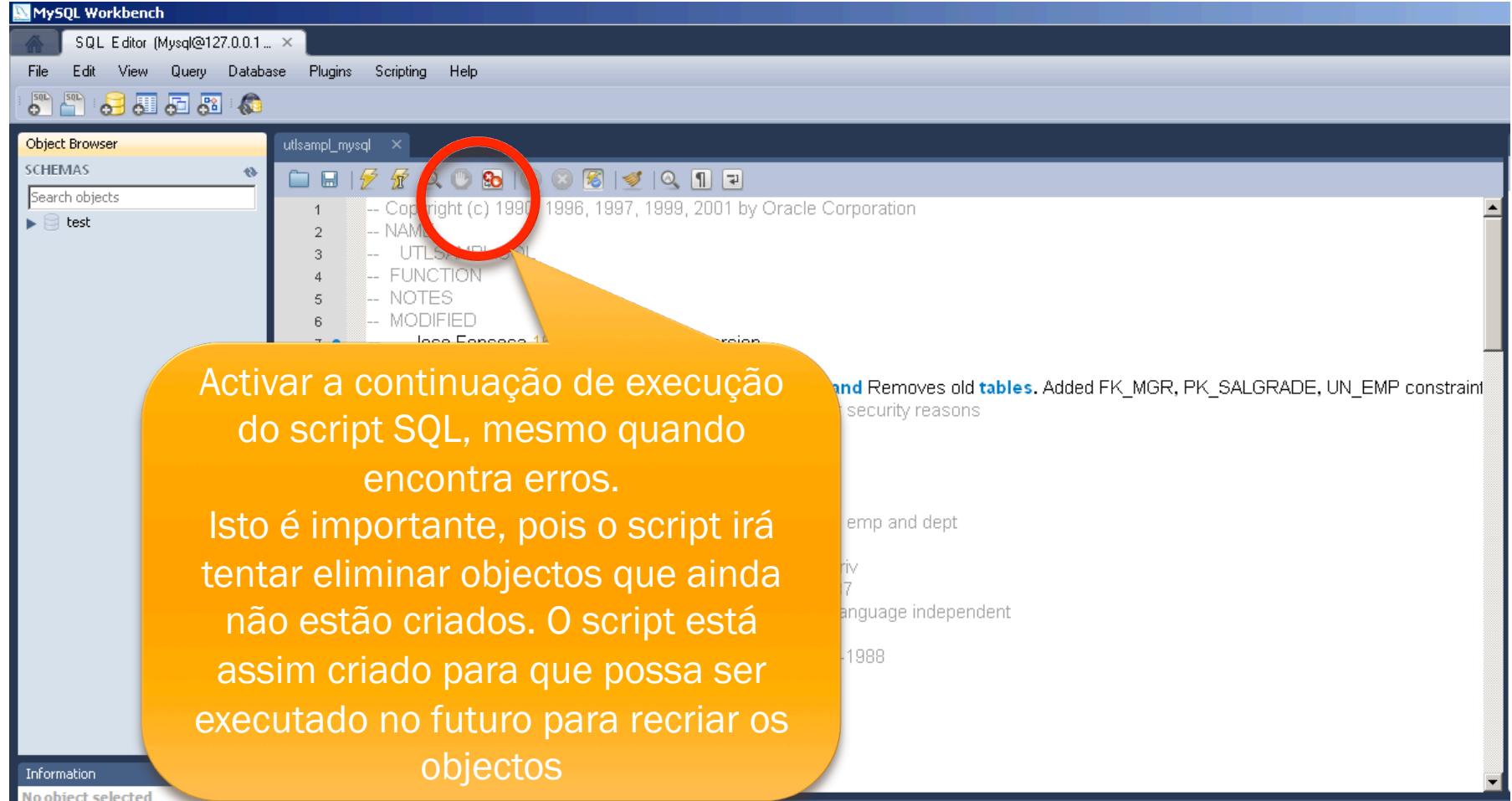


# SCRIPT SQL

Ícone para activar/desactivar a continuação de execução do script SQL, quando encontra erros

```
-- Copyright (c) 2003, 2005, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015 Oracle and/or its affiliates. All rights reserved.
-- NAME
-- UTLSAMPL.SQ
-- FUNCTION
-- NOTES
-- MODIFIED
15  -- blinden 07/27/92 - Added primary and foreign keys to emp and dept
16  -- rlim 04/28/91 - change char to TEXT
17  -- rmoore 04/08/91 - use unlimited tablespace priv
18  -- pritto 04/04/91 - change SYSDATE to 13-JUL-87
19  -- Mendels 12/07/90 - bug 30123;add to_date calls so language independent
20
21  -- CONGDON Invoked in RDBMS at build time: 29-DEC-1988
22
23
24
25
26 • USE scott;
27
```

# CONTINUAÇÃO DA EXECUÇÃO COM ERROS



MySQL Workbench SQL Editor (Mysql@127.0.0.1 ...)

File Edit View Query Database Plugins Scripting Help

Object Browser

SCHEMAS

Search objects

test

utlsampl\_mysql

1 -- Copyright (c) 1990, 1996, 1997, 1999, 2001 by Oracle Corporation  
2 -- NAME  
3 -- \_UTLSAMPL\_SQL  
4 -- FUNCTION  
5 -- NOTES  
6 -- MODIFIED  
7 -- Jose Fonseca 1999

Activar a continuação de execução do script SQL, mesmo quando encontra erros.

Isto é importante, pois o script irá tentar eliminar objectos que ainda não estão criados. O script está assim criado para que possa ser executado no futuro para recriar os objectos

and Removes old **tables**. Added FK\_MGR, PK\_SALGRADE, UN\_EMP constraint for security reasons

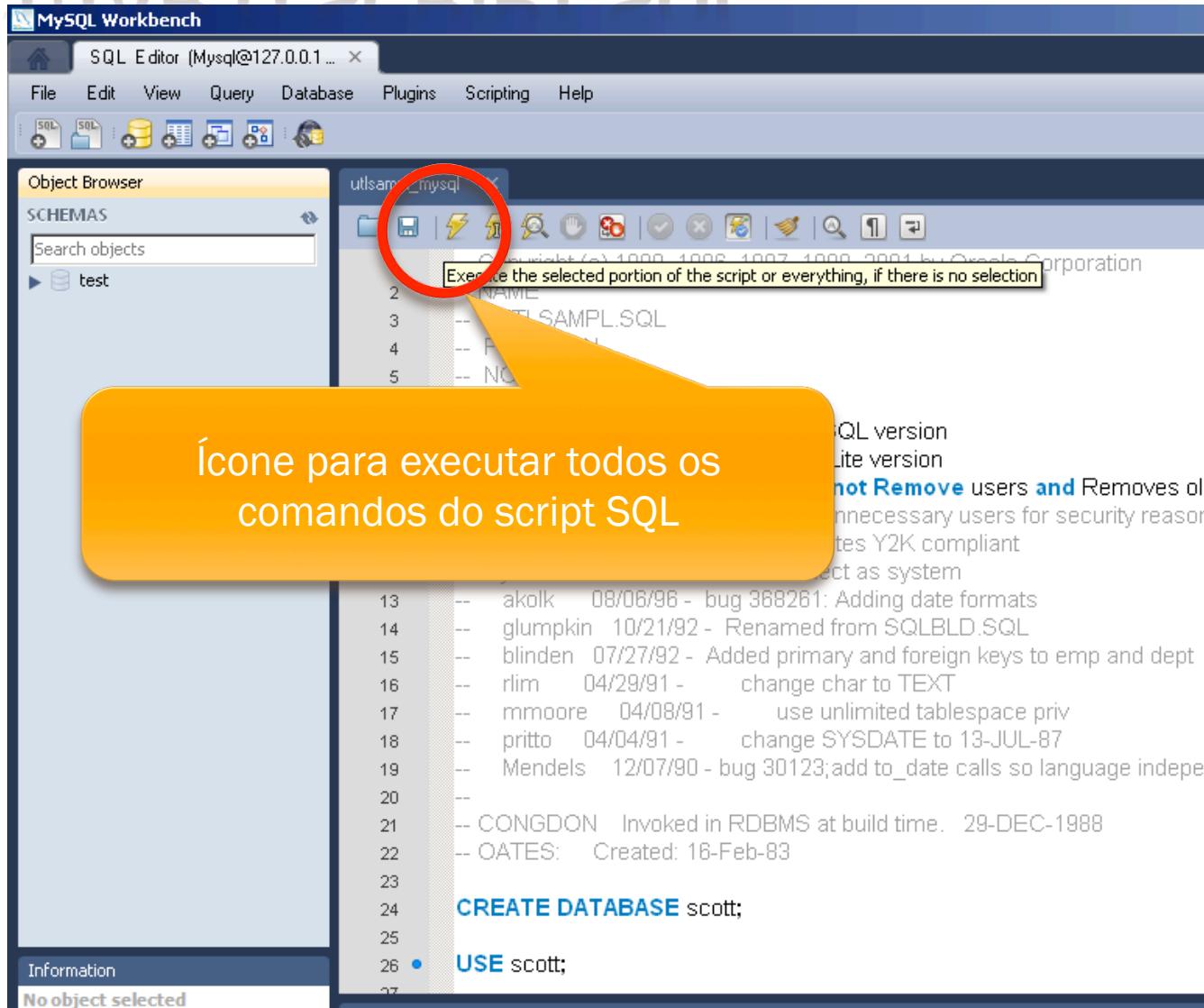
emp and dept

triv

language independent

-1988

# EXECUTAR O SCRIPT SQL



MySQL Workbench SQL Editor (Mysql@127.0.0.1 ...)

File Edit View Query Database Plugins Scripting Help

Object Browser

SCHEMAS

Search objects

utlsampl\_mysql

Execute the selected portion of the script or everything, if there is no selection

2 -- NAME  
3 -- -- UTLSAMPL.SQL  
4 -- -- FILENAME  
5 -- NO

Ícone para executar todos os comandos do script SQL

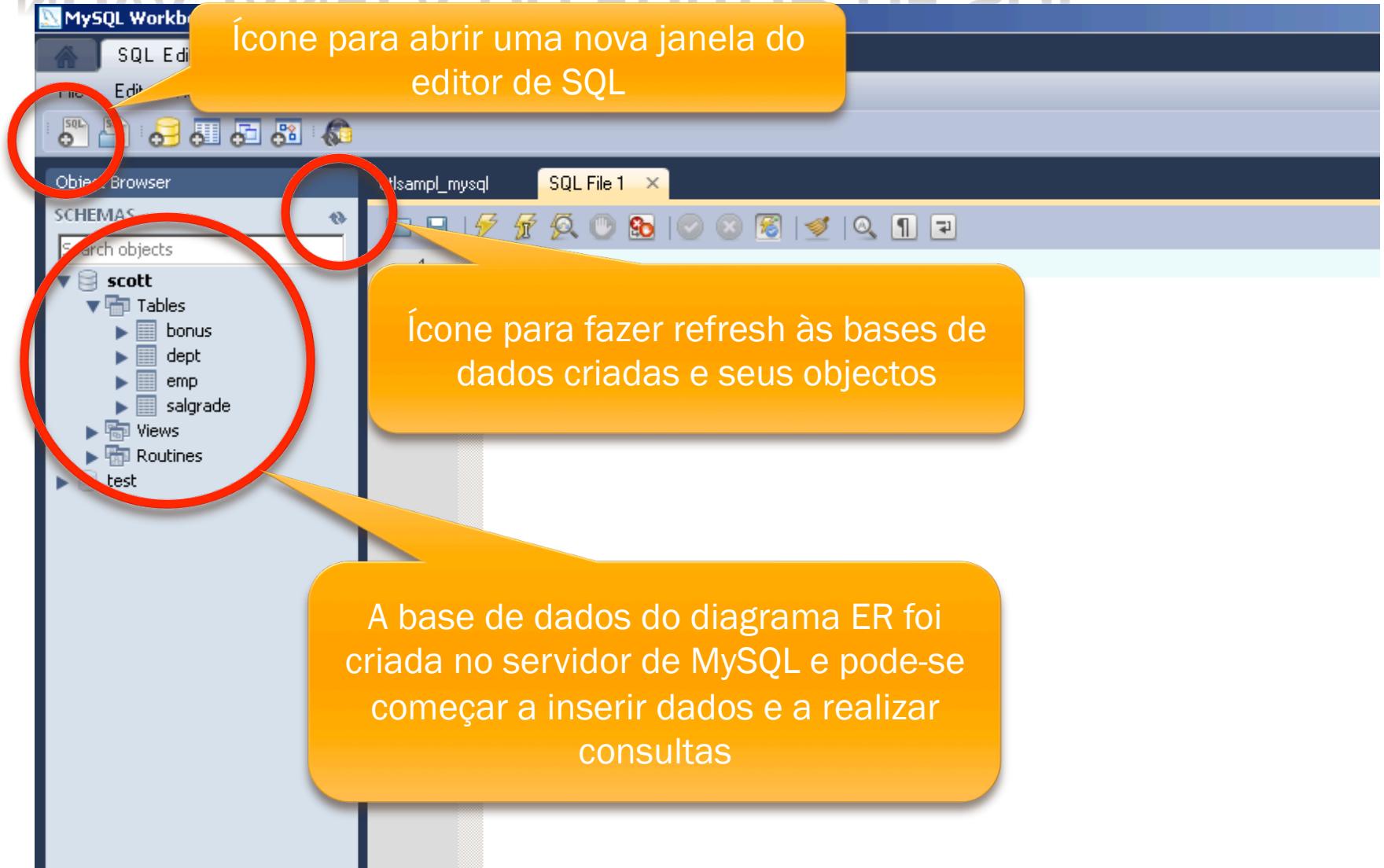
SQL version  
Lite version  
**not Remove users and** Removes old unnecessary users for security reasons  
Y2K compliant  
Act as system

13 -- akolk 08/08/96 - bug 368281: Adding date formats  
14 -- glumpkin 10/21/92 - Renamed from SQLBLD.SQL  
15 -- blinden 07/27/92 - Added primary and foreign keys to emp and dept  
16 -- rlim 04/29/91 - change char to TEXT  
17 -- rmoore 04/08/91 - use unlimited tablespace priv  
18 -- pritto 04/04/91 - change SYSDATE to 13-JUL-87  
19 -- Mendels 12/07/90 - bug 30123;add to\_date calls so language indepen  
20 --  
21 -- CONGDON Invoked in RDBMS at build time. 29-DEC-1988  
22 -- OATES: Created: 16-Feb-83  
23  
24 **CREATE DATABASE** scott;  
25  
26 • **USE** scott;  
27

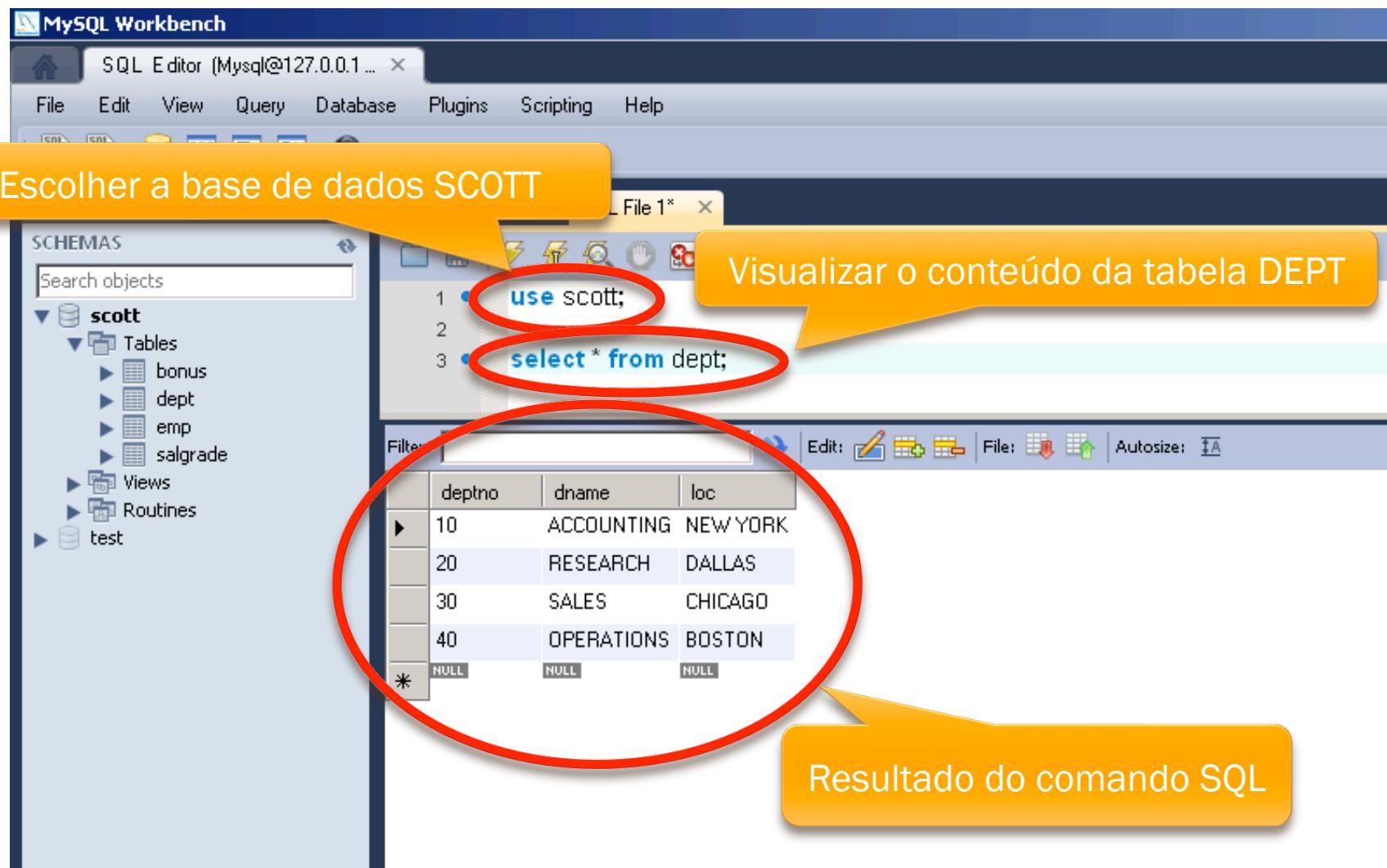
Information

No object selected

# NOVA JANELA DO EDITOR DE SQL



# PRIMEIRO COMANDO SQL



The screenshot shows the MySQL Workbench interface. On the left, the 'SCHEMAS' tree view is open, showing the 'scott' database selected. Under 'Tables', the 'dept' table is listed. A large orange callout bubble points to this table with the text 'Escolher a base de dados SCOTT'. In the center, a SQL Editor window displays the following code:

```
1 use scott;
2
3 select * from dept;
```

Two specific lines of code are circled in red: 'use scott;' and 'select \* from dept;'. A large orange callout bubble points to these lines with the text 'Visualizar o conteúdo da tabela DEPT'. Below the editor, the results of the query are displayed in a grid table:

deptno	dname	loc
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON
*	NULL	NULL

A large red circle encloses the entire result grid. A final orange callout bubble points to the bottom right of the grid with the text 'Resultado do comando SQL'.