

*Desenvolvimento Web com Java utilizando padrões
de projeto e bootstrap*

Semana da
engenharia



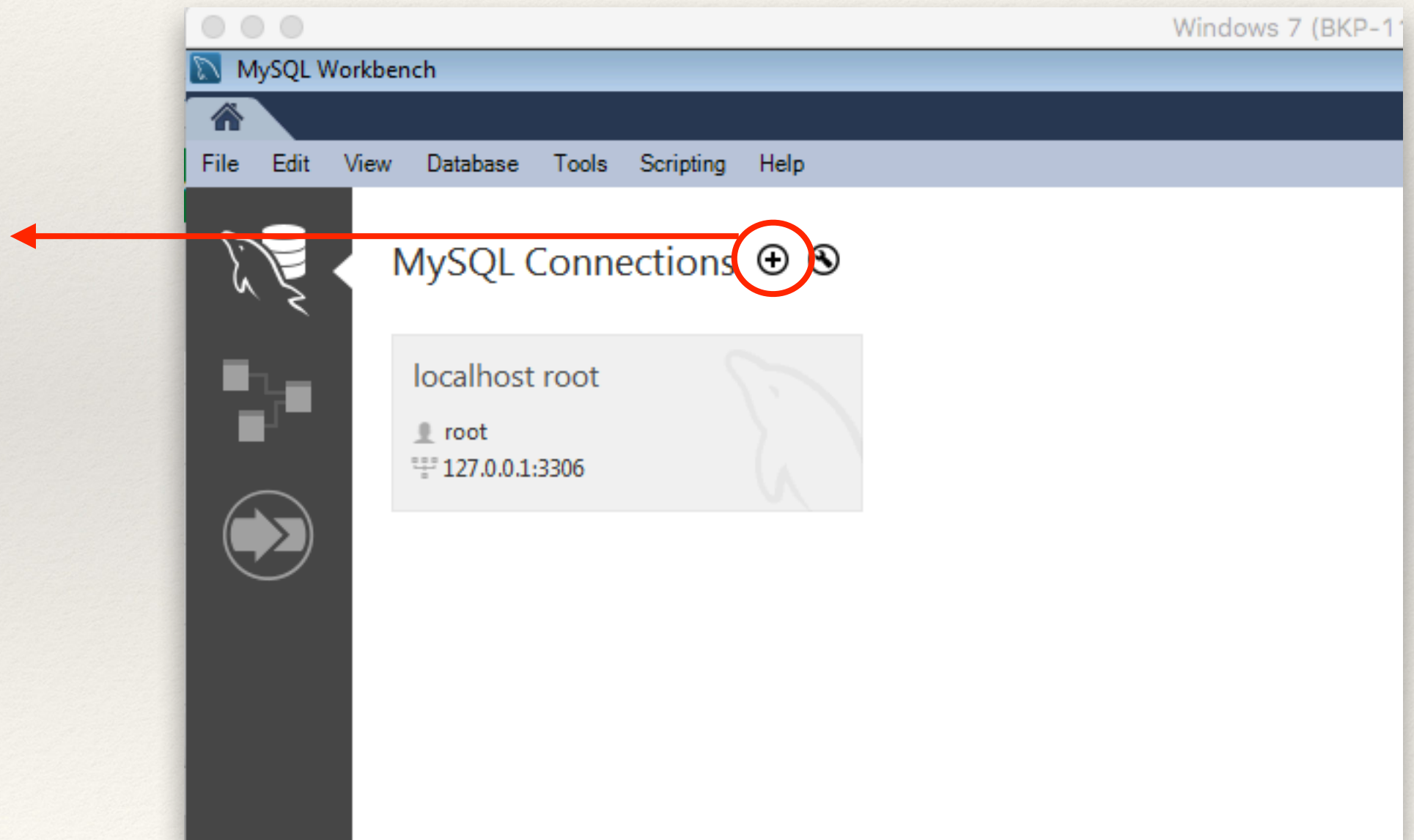
Preparação do Ambiente

- ❖ Java Development Kit (JDK) 8.
- ❖ MySQL Server Community Edition 8.0.12.
- ❖ MySQLWorkbench 8.0.12.
- ❖ Eclipse EE 2018-09 4.9.0 com Maven.
- ❖ Apache Tomcat 9.0.12.
- ❖ MySQL Connector J - JDBC Driver.

Acesso ao MySQL

- ❖ Abrir a ferramenta MySQL Workbench

Clique para
adicionar
uma nova
conexão.



Acesso ao MySQL

Preencha os campos solicitados e em seguida teste a conexão.

Setup New Connection

Connection Name: Type a name for the connection

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.

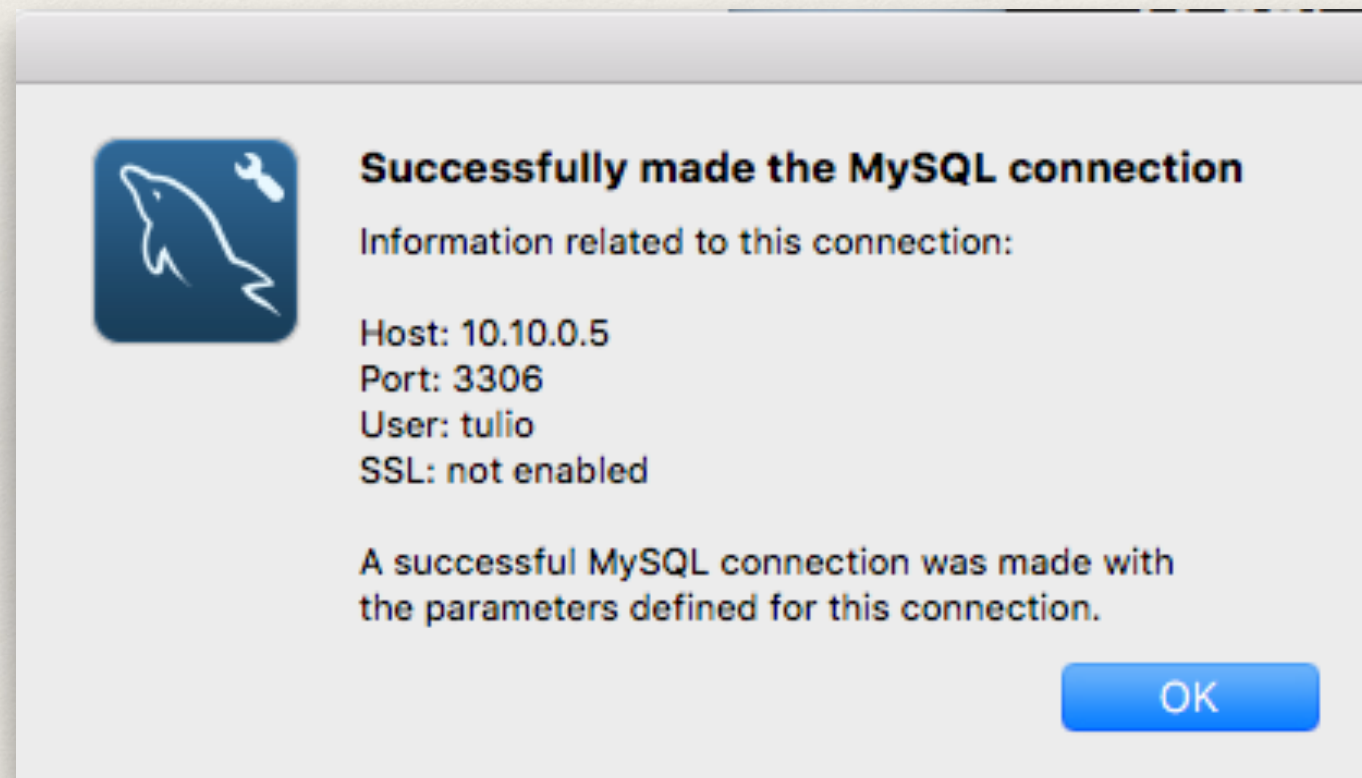
Password: The user's password. Will be requested later if it's not set.

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

Configure Server Management... Test Connection Cancel OK

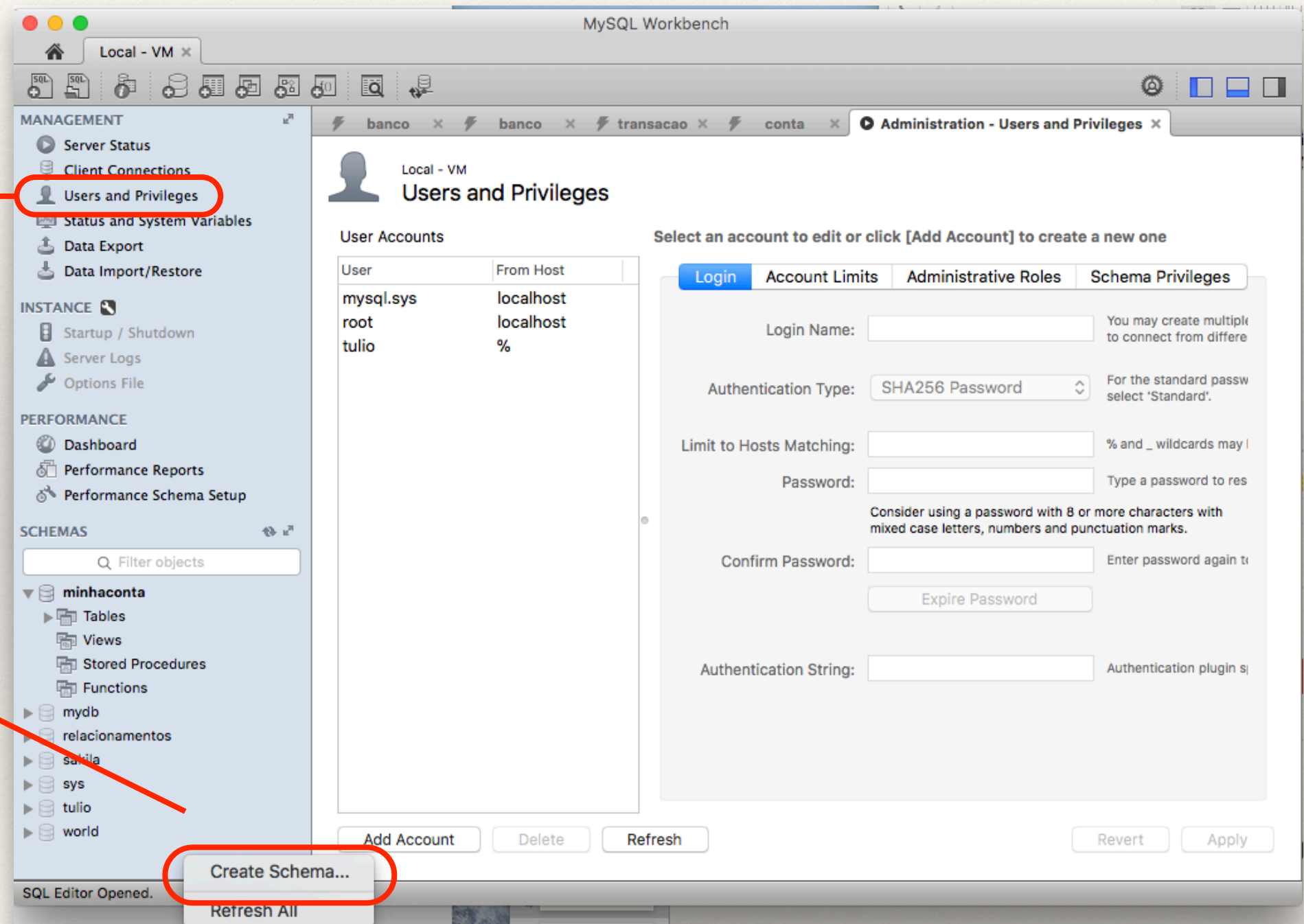
Acesso ao MySQL

- ❖ Conexão realizado com sucesso!

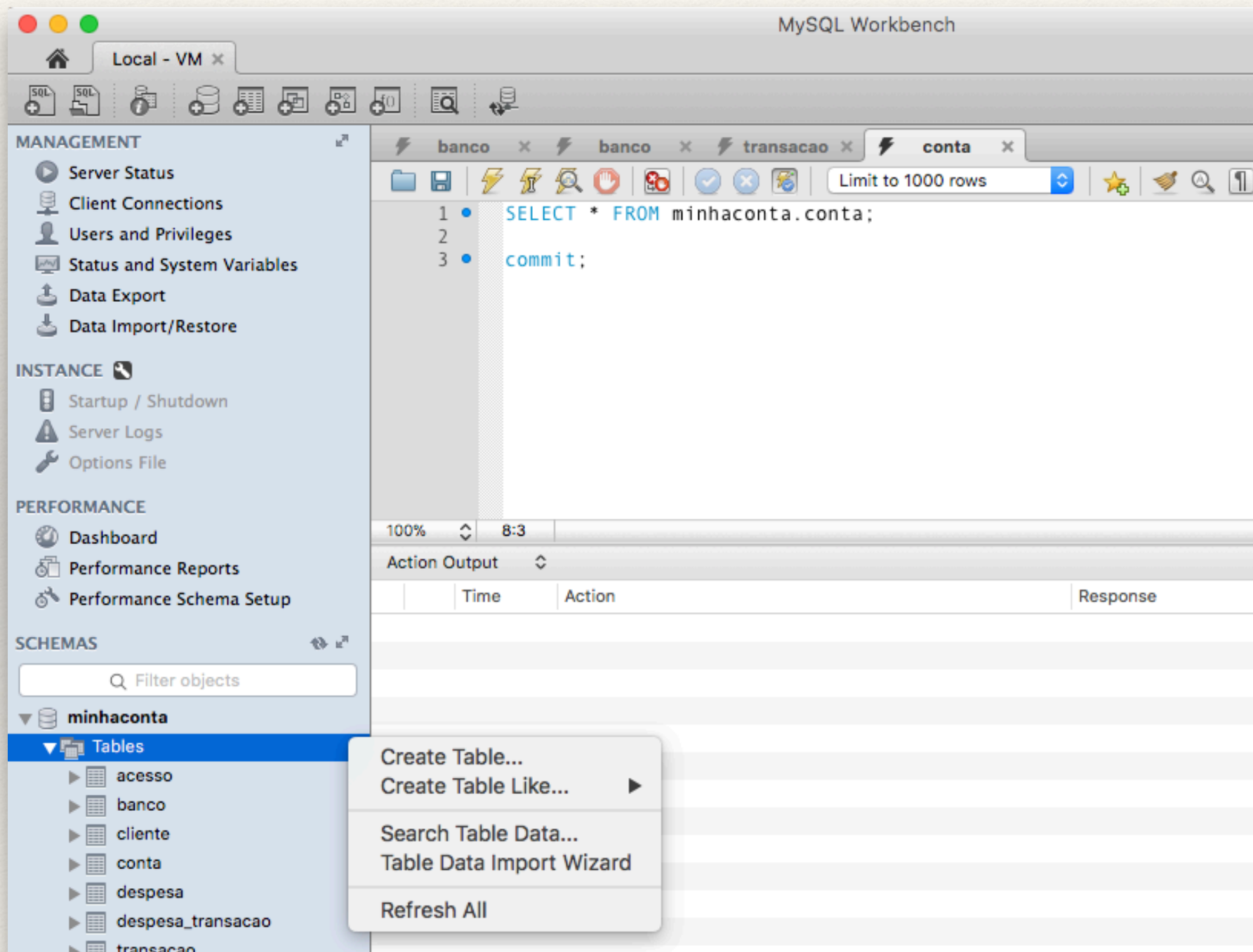


Gerenciamento de Usuários e Schemas

- ❖ Clique para gerenciar usuários.
- ❖ Clique com o botão direito do mouse para criar um novo schema.



Tabelas



- ❖ Clique com o botão direito do mouse em Tabelas e em seguida em Criar Tabela.

Tabelas

Primary Key

Not Null

Auto increment

The screenshot shows the MySQL Workbench interface. The 'Teste - Table' tab is active, showing the 'idade' column selected. The 'Columns' tab is selected at the bottom. The 'idade' column is highlighted in the table list, and its details are shown in the 'Column details' panel. The 'idade' column is defined as an integer (INT) with the following options checked: Primary Key (PK), Not Null (NN), and Auto Increment (AI). The 'idade' column is also highlighted in the table list, and the 'Apply' button is visible at the bottom right.

Column	Datatype	PK	NN	UQ	BIN	UN	ZF	AI	G	Default / Expression
idTeste	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
nome	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
eMail	VARCHAR(45)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
idade	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<click to edit>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Column details 'idade'

Column Name: idade

Datatype: INT

Default:

Storage: ☒ VIRTUAL ☐ STORED

☐ Primary Key ☐ Not NULL ☐ Unique

☐ Binary ☐ Unsigned ☐ ZeroFill

☐ Auto Increment ☐ Generated

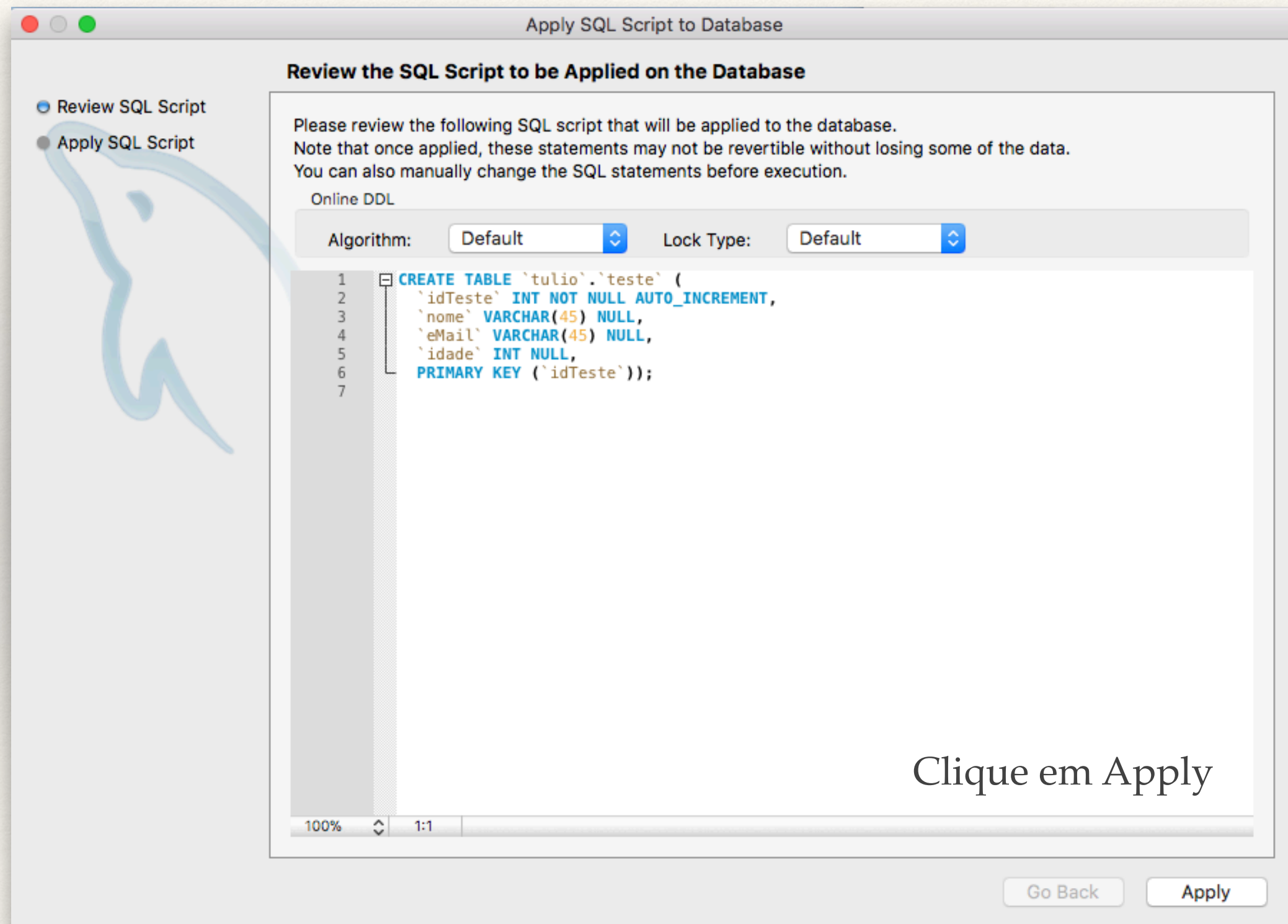
Apply Revert

Action Output

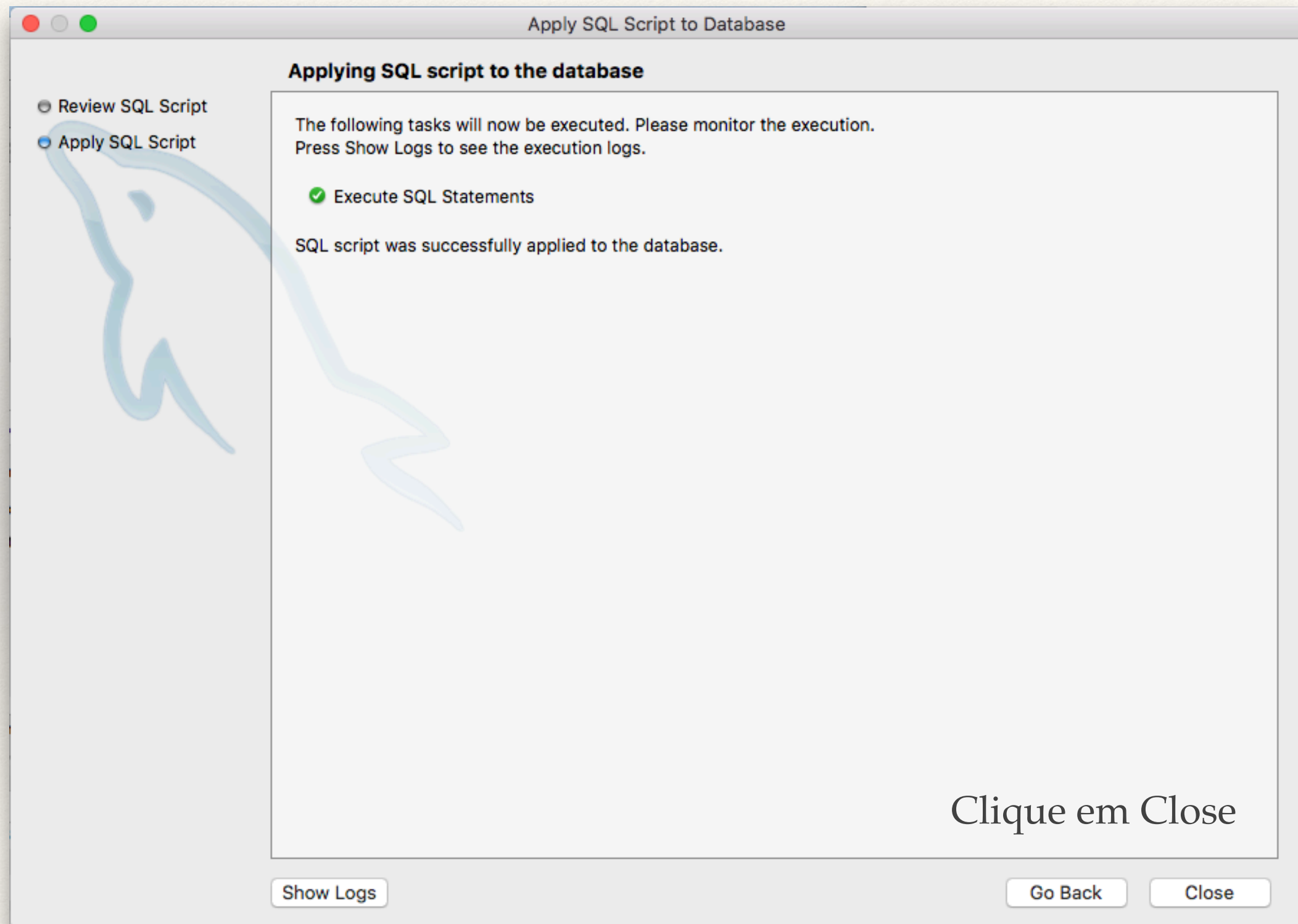
Time	Action	Response	Duration / Fetch Time
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Após incluir colunas da tabela clique em Apply

Tabelas

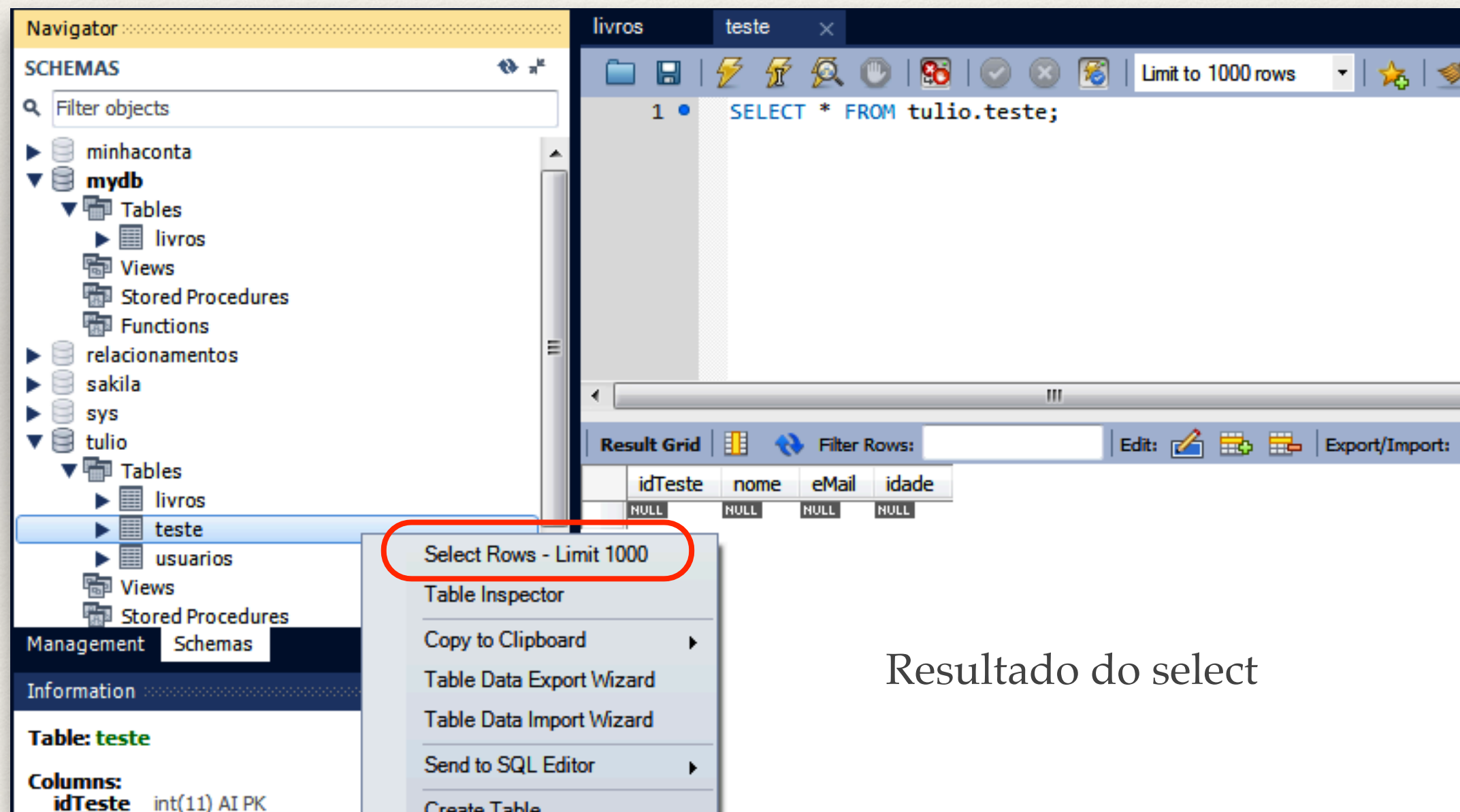


Tabelas



Teste de funcionamento

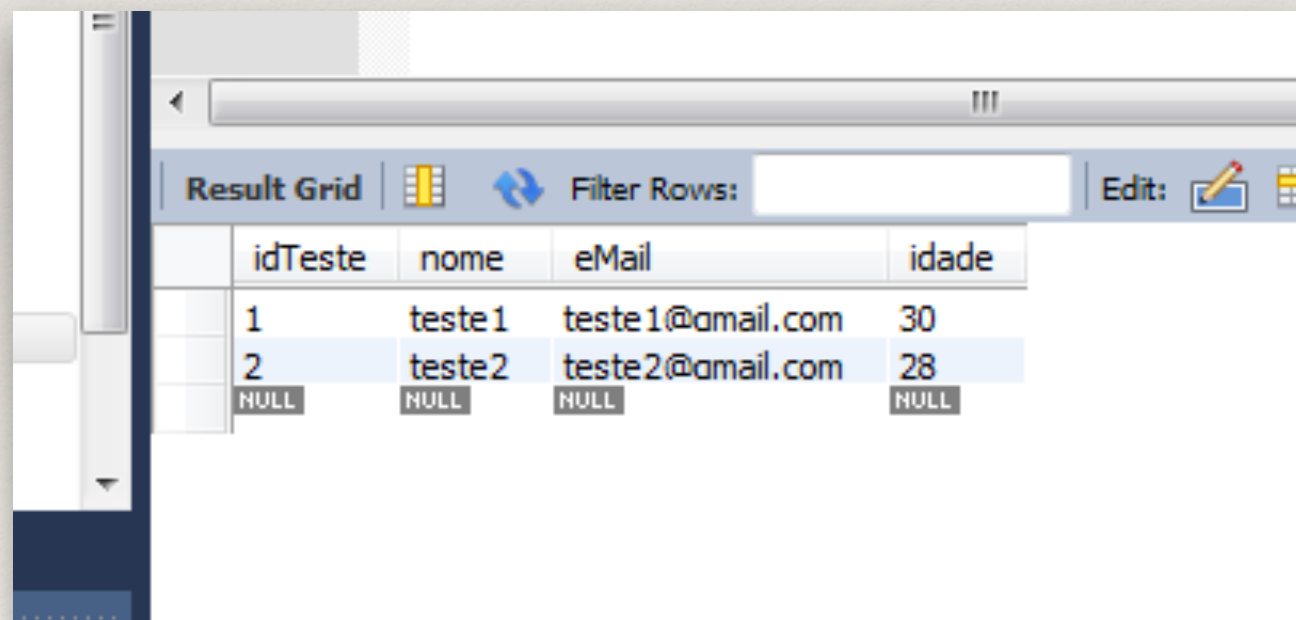
Clique com o botão direito do mouse sobre a tabela e em seguida clique em **Select Rows**



Teste de funcionamento

❖ Insira alguns registros na tabela:

```
insert into teste (nome, email, idade) values ('teste 1', 'teste1@gmail.com', 26);  
insert into teste (nome, email, idade) values ('teste 2', 'teste2@gmail.com', 30);
```



The screenshot shows a database application interface. At the top, there is a 'Result Grid' tab, a 'Filter Rows:' input field, and an 'Edit:' button. Below this, a table is displayed with four columns: 'idTeste', 'nome', 'eMail', and 'idade'. The table contains two rows of data. The first row has values 1, teste1, teste1@gmail.com, and 30. The second row has values 2, teste2, teste2@gmail.com, and 28. Below these two rows, there are four cells, each containing the word 'NULL'.

idTeste	nome	eMail	idade
1	teste1	teste1@gmail.com	30
2	teste2	teste2@gmail.com	28
NULL	NULL	NULL	NULL

Resultado esperado após a execução dos comandos.