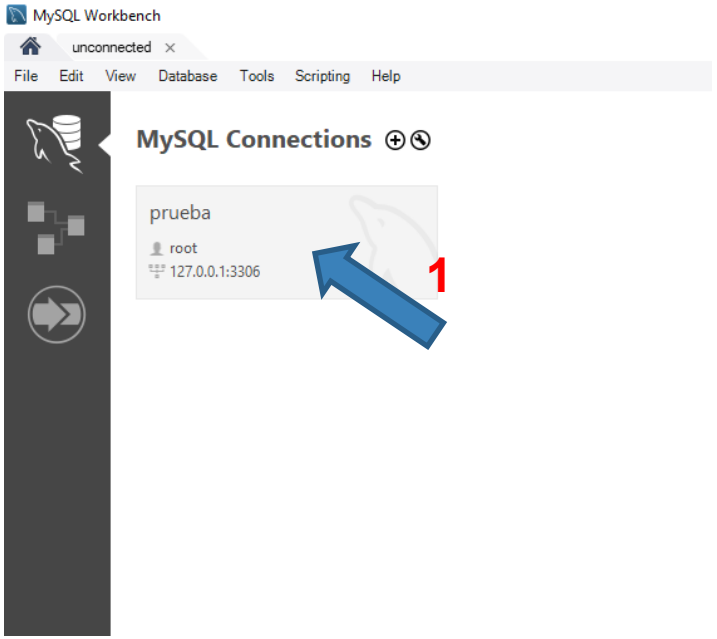
ntic master
revolucionamos la comunicación

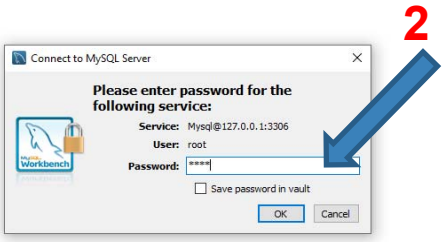
UNIVERSIDAD COMPLUTENSE MADRID

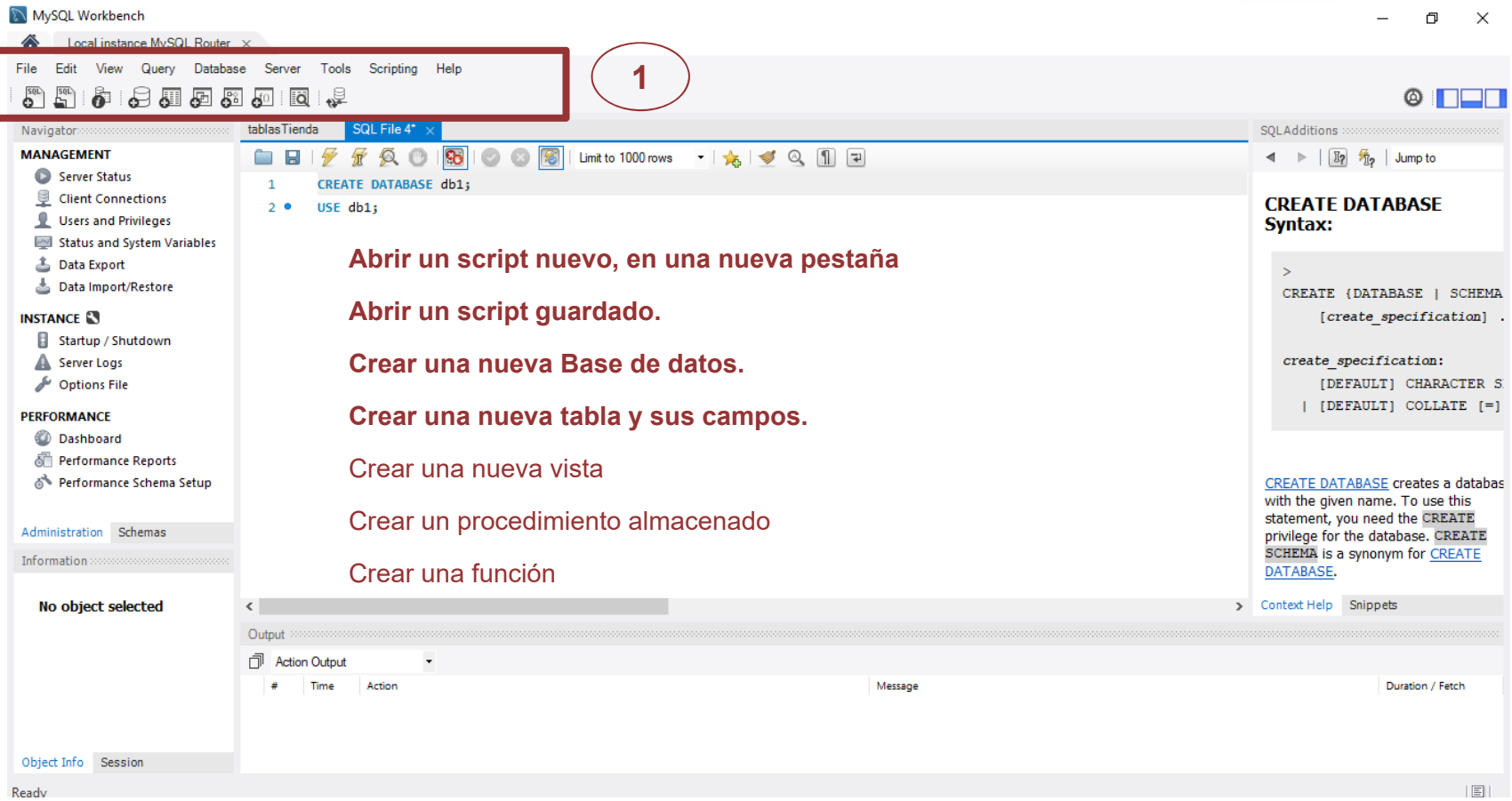
Entorno de Workbench

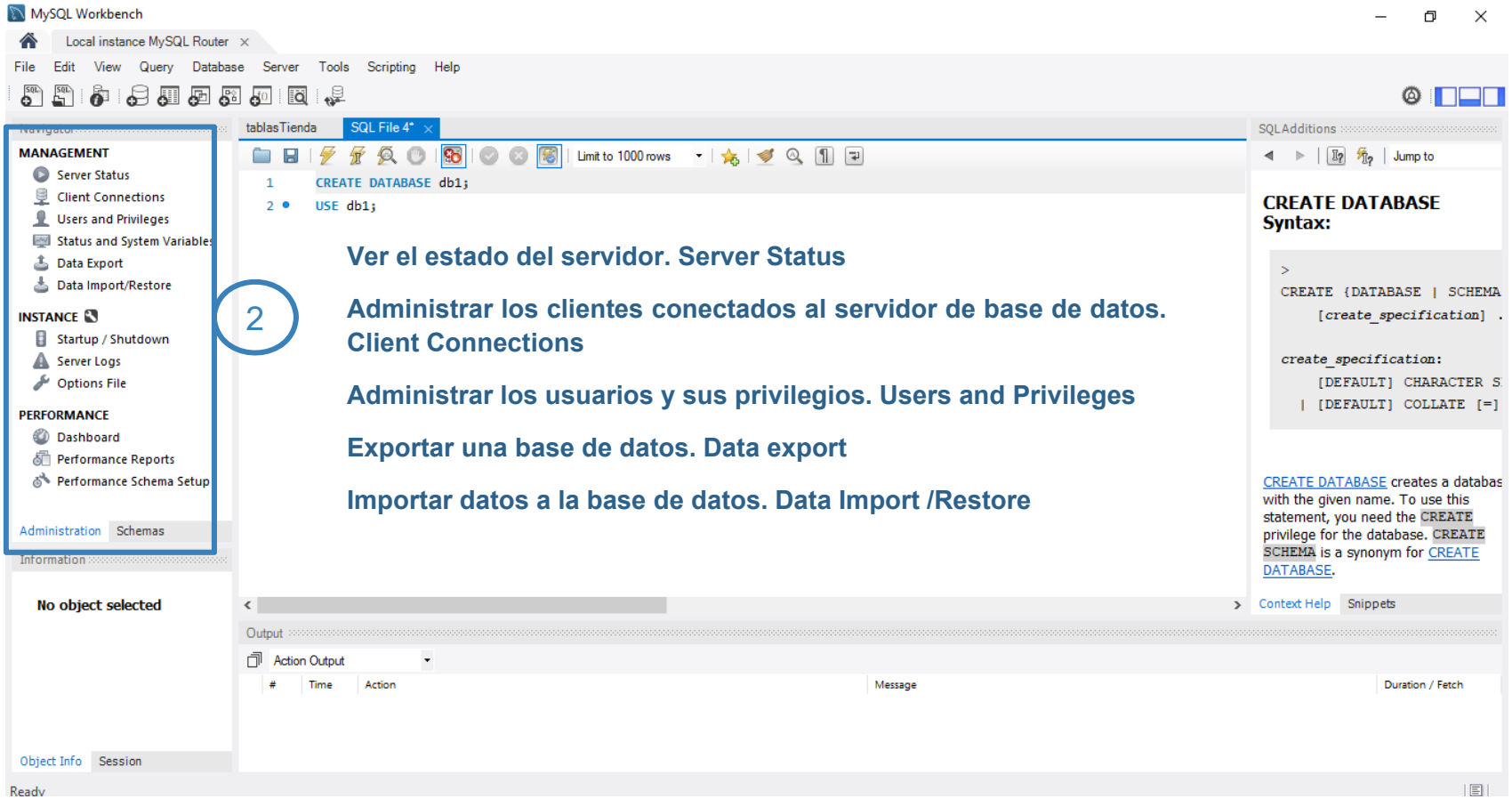
Isabel Riomoros

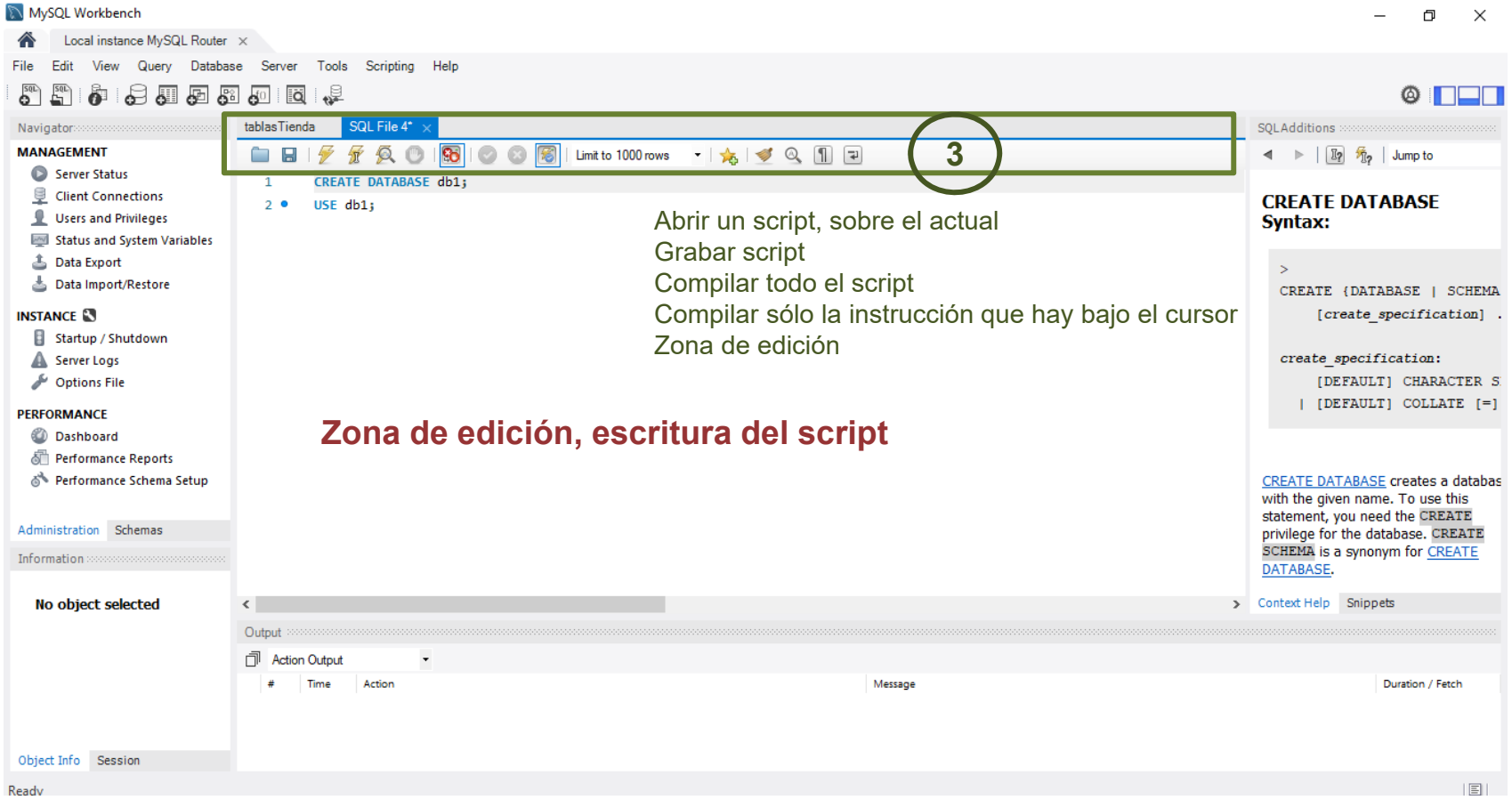
Ejecutamos MySQL Workench

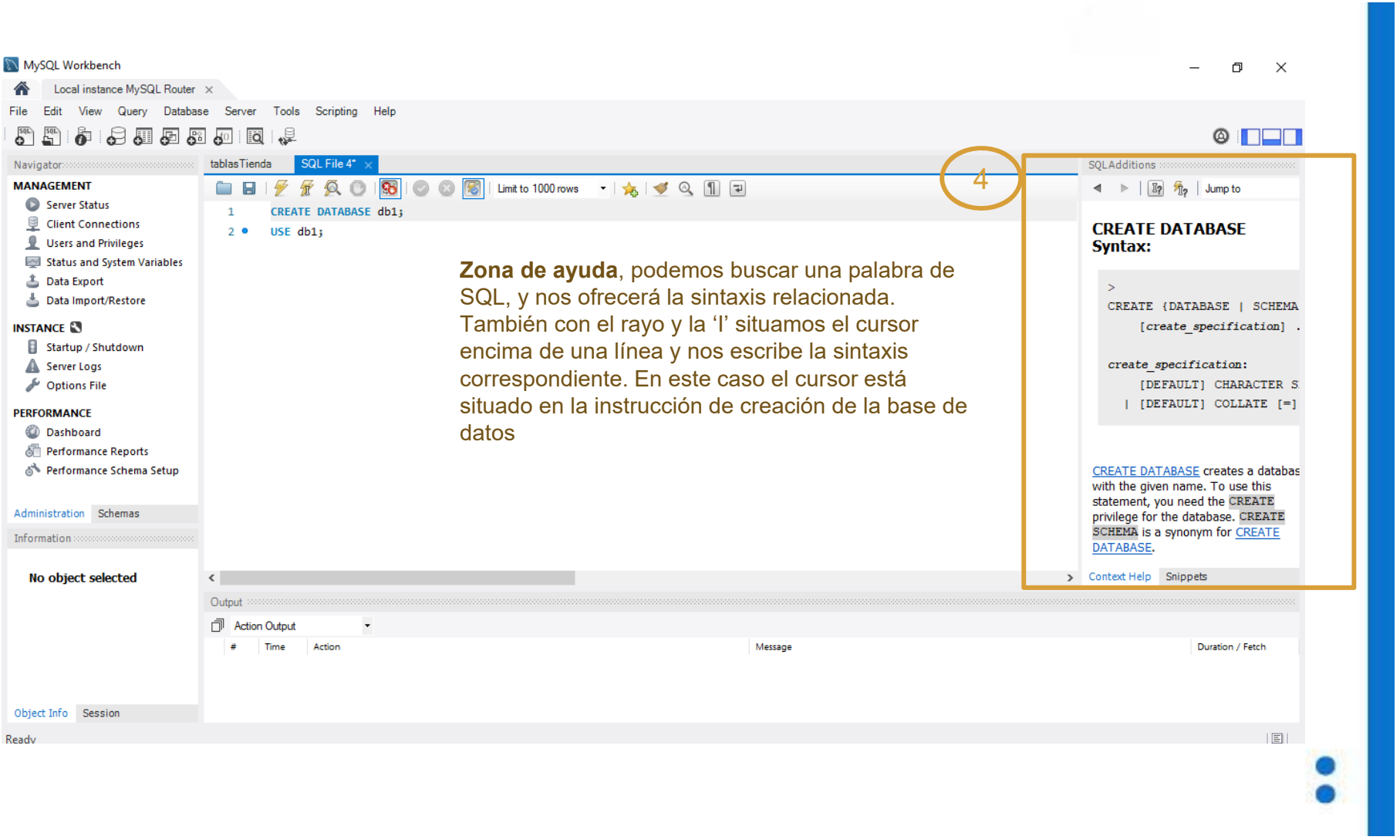


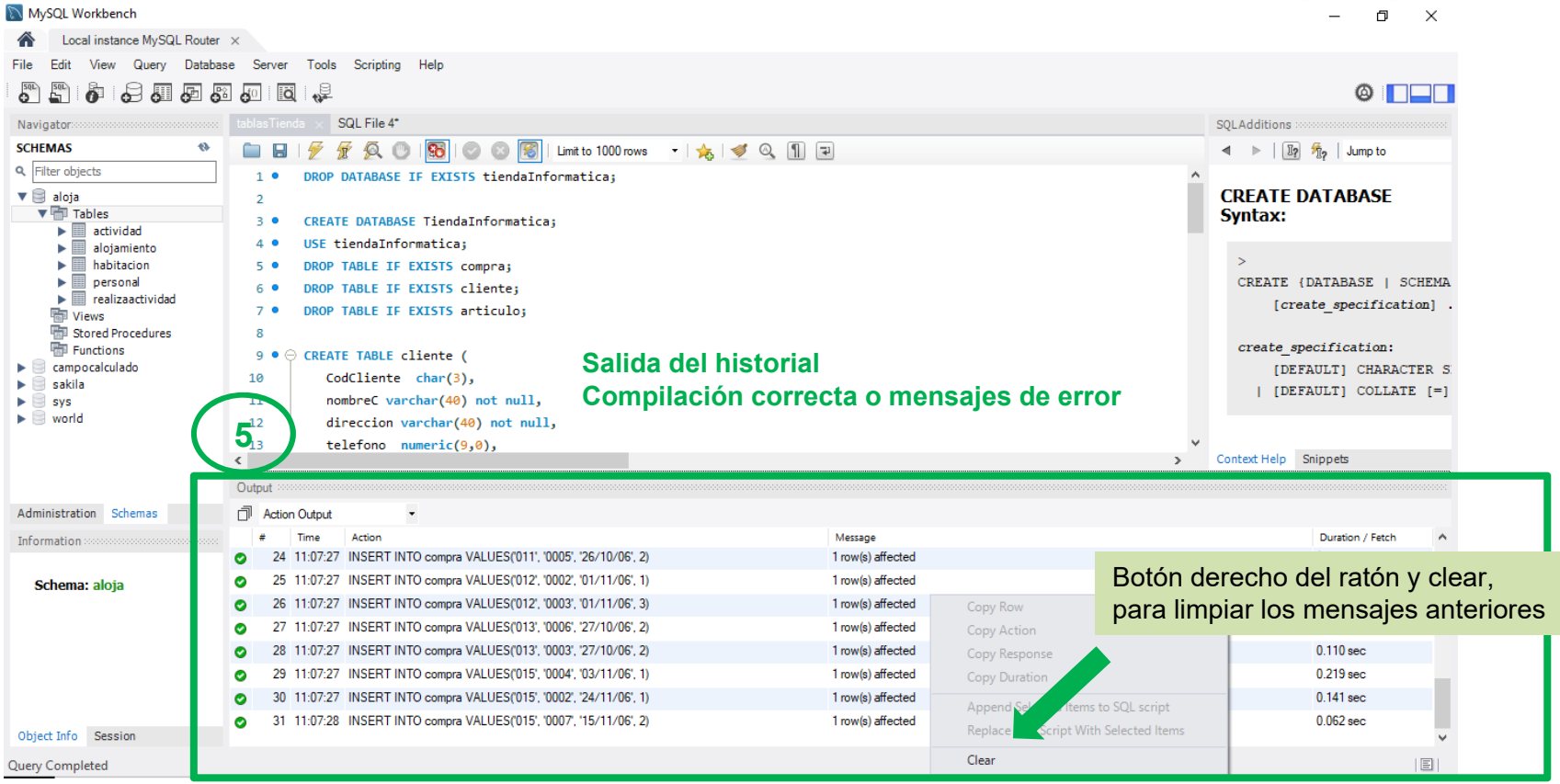


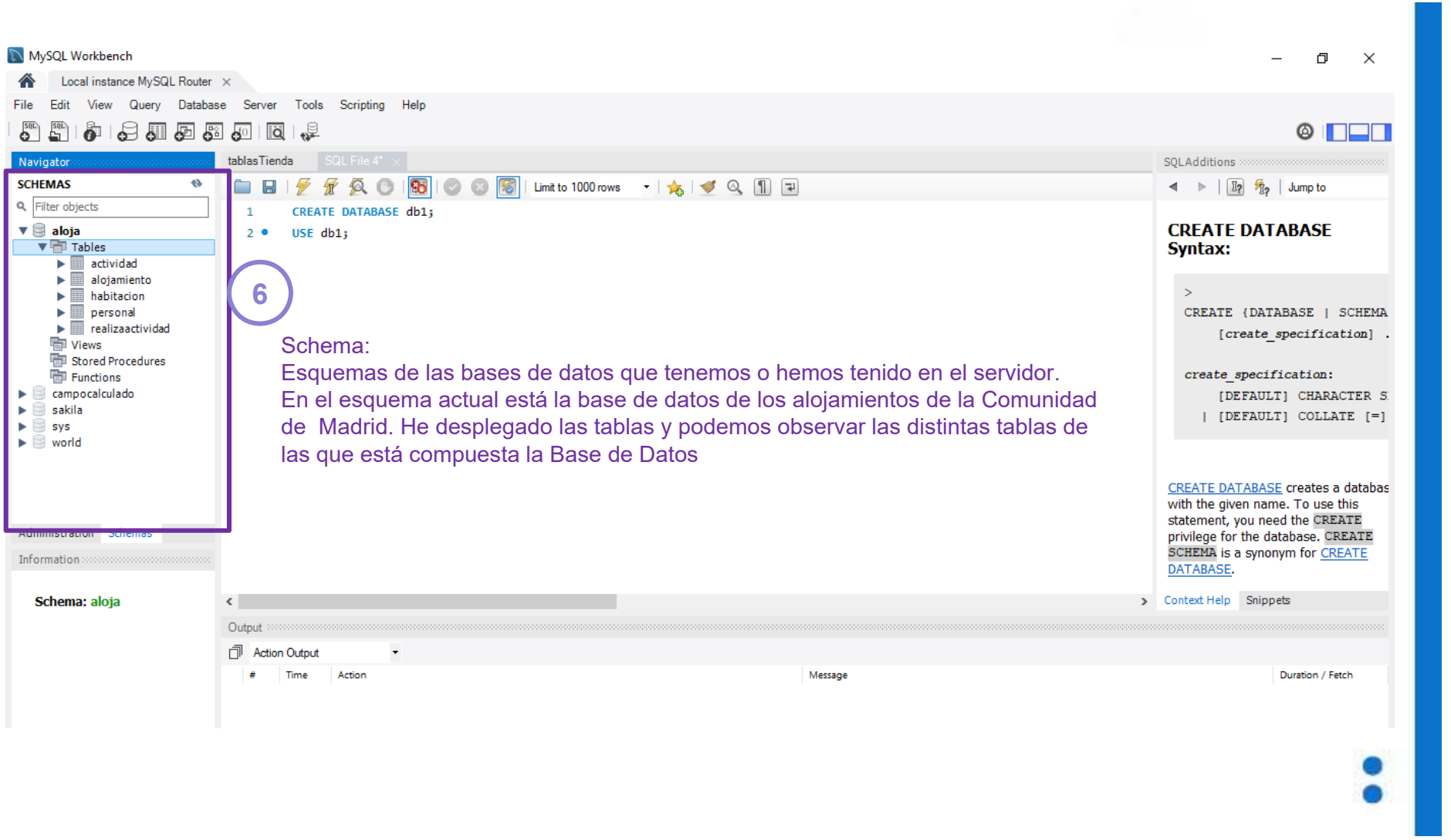

MySQL Workbench
Local instance MySQL Router
File Edit View Query Database Server Tools Scripting Help
1
Navigator
MANAGEMENT
Server Status
Client Connections
Users and Privileges
Status and System Variables
Data Export
Data Import/Restore
INSTANCE
Startup / Shutdown
Server Logs
Options File
PERFORMANCE
Dashboard
Performance Reports
Performance Schema Setup
Administration Schemas
Information
No object selected
Object Info Session
tablasTienda
SQL File 4*
Limit to 1000 rows
1 CREATE DATABASE db1;
2 USE db1;
Abrir un script nuevo, en una nueva pestaña
Abrir un script guardado.
Crear una nueva Base de datos.
Crear una nueva tabla y sus campos.
Crear una nueva vista
Crear un procedimiento almacenado
Crear una función
SQLAdditions
Jump to
CREATE DATABASE Syntax:
CREATE {DATABASE | SCHEMA
[create_specification] .
create_specification:
[DEFAULT] CHARACTER S
| [DEFAULT] COLLATE [=]
CREATE DATABASE creates a databas
with the given name. To use this
statement, you need the CREATE
privilege for the database. CREATE
SCHEMA is a synonym for CREATE
DATABASE.
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
Ready

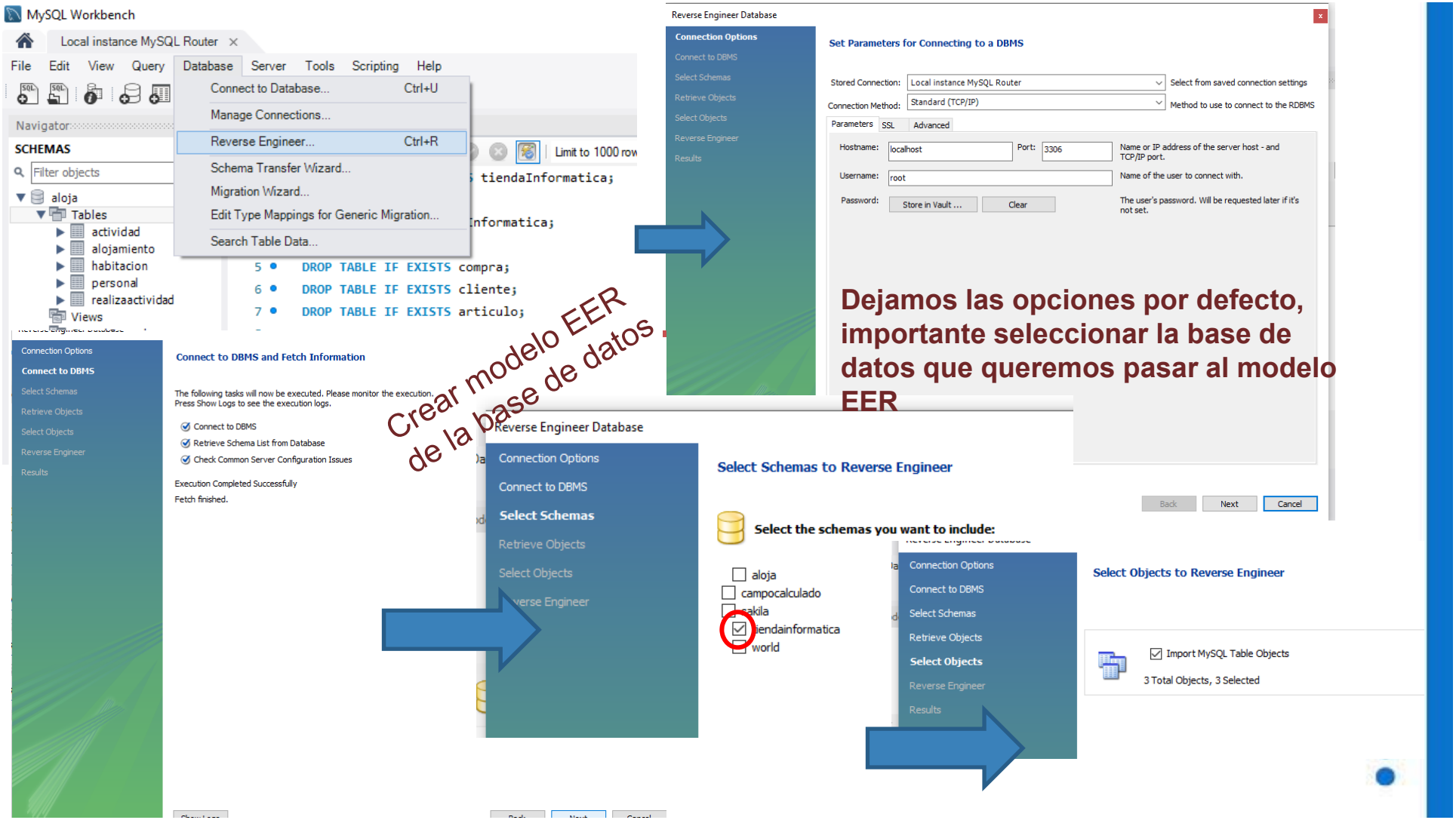

MySQL Workbench
Local instance MySQL Router
File Edit View Query Database Server Tools Scripting Help
MANAGEMENT
Server Status
Client Connections
Users and Privileges
Status and System Variables
Data Export
Data Import/Restore
INSTANCE
Startup / Shutdown
Server Logs
Options File
PERFORMANCE
Dashboard
Performance Reports
Performance Schema Setup
Administration Schemas
Information
No object selected
Object Info Session
tablasTienda
SQL File 4*
Limit to 1000 rows
1 CREATE DATABASE db1;
2 USE db1;
2
Ver el estado del servidor. Server Status
Administrar los clientes conectados al servidor de base de datos. Client Connections
Administrar los usuarios y sus privilegios. Users and Privileges
Exportar una base de datos. Data export
Importar datos a la base de datos. Data Import /Restore
SQLAdditions
Jump to
CREATE DATABASE Syntax:
CREATE {DATABASE | SCHEMA
[create_specification] .
create_specification:
[DEFAULT] CHARACTER S
| [DEFAULT] COLLATE [=]
CREATE DATABASE creates a databas with the given name. To use this statement, you need the CREATE privilege for the database. CREATE SCHEMA is a synonym for CREATE DATABASE.
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
Ready


MySQL Workbench
Local instance MySQL Router
File Edit View Query Database Server Tools Scripting Help
Navigator
MANAGEMENT
Server Status
Client Connections
Users and Privileges
Status and System Variables
Data Export
Data Import/Restore
INSTANCE
Startup / Shutdown
Server Logs
Options File
PERFORMANCE
Dashboard
Performance Reports
Performance Schema Setup
Administration Schemas
Information
No object selected
Object Info Session
tablasTienda
SQL File 4*
Limit to 1000 rows
3
1 CREATE DATABASE db1;
2 USE db1;
Abrir un script, sobre el actual
Grabar script
Compilar todo el script
Compilar sólo la instrucción que hay bajo el cursor
Zona de edición
Zona de edición, escritura del script
SQL Additions
Jump to
CREATE DATABASE Syntax:
CREATE {DATABASE | SCHEMA
[create_specification] .
create_specification:
[DEFAULT] CHARACTER S
| [DEFAULT] COLLATE [=]
CREATE DATABASE creates a databas
with the given name. To use this
statement, you need the CREATE
privilege for the database. CREATE
SCHEMA is a synonym for CREATE
DATABASE.
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
Ready

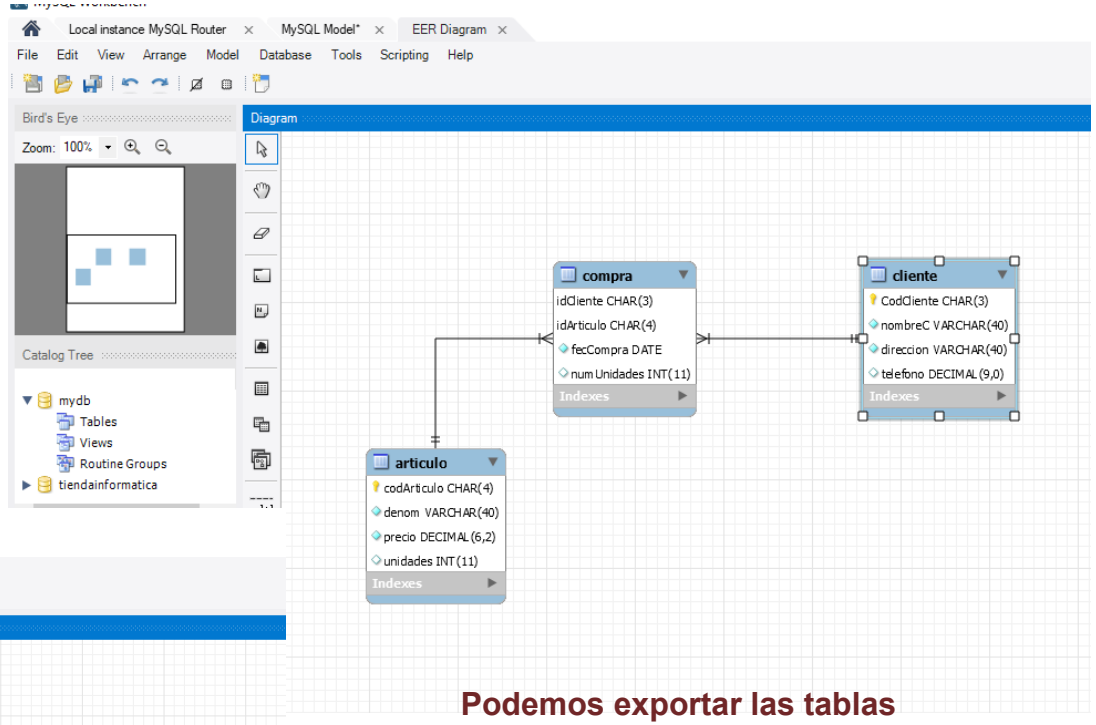

MySQL Workbench
Local instance MySQL Router
File Edit View Query Database Server Tools Scripting Help
Navigator
MANAGEMENT
Server Status
Client Connections
Users and Privileges
Status and System Variables
Data Export
Data Import/Restore
INSTANCE
Startup / Shutdown
Server Logs
Options File
PERFORMANCE
Dashboard
Performance Reports
Performance Schema Setup
Administration Schemas
Information
No object selected
Object Info Session
tablasTienda
SQL File 4*
Limit to 1000 rows
1 CREATE DATABASE db1;
2 USE db1;
4
Zona de ayuda, podemos buscar una palabra de SQL, y nos ofrecerá la sintaxis relacionada. También con el rayo y la 'I' situamos el cursor encima de una línea y nos escribe la sintaxis correspondiente. En este caso el cursor está situado en la instrucción de creación de la base de datos
SQLAdditions
Jump to
CREATE DATABASE Syntax:
CREATE {DATABASE | SCHEMA
[create_specification] .
create_specification:
[DEFAULT] CHARACTER S
| [DEFAULT] COLLATE [=]
CREATE DATABASE creates a databas with the given name. To use this statement, you need the CREATE privilege for the database. CREATE SCHEMA is a synonym for CREATE DATABASE.
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
Ready

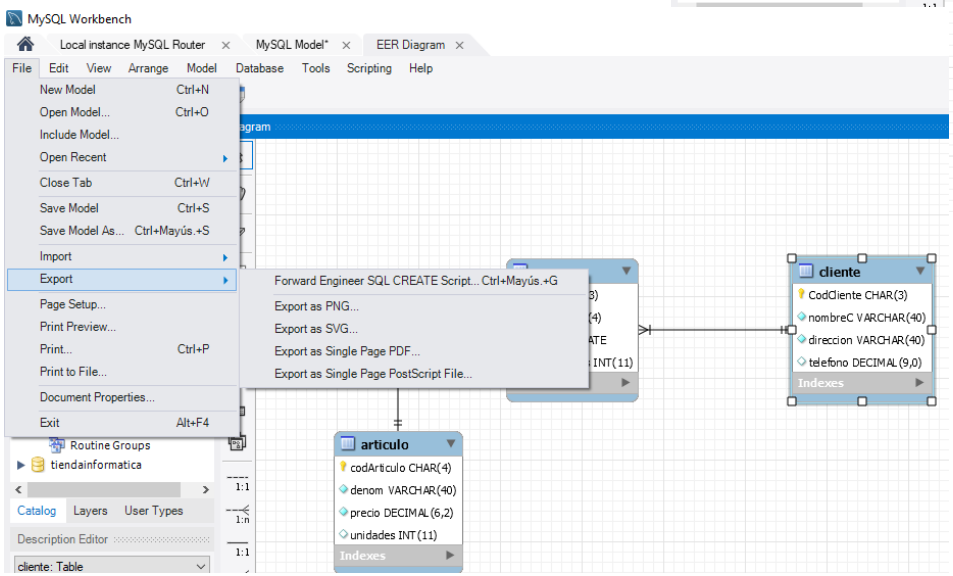

MySQL Workbench
Local instance MySQL Router
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
aloja
Tables
actividad
alojamiento
habitacion
personal
realizaactividad
Views
Stored Procedures
Functions
campocalculado
sakila
sys
world
Administration Schemas
Information
Schema: aloja
Object Info Session
Query Completed
tablasTienda
SQL File 4*
Limit to 1000 rows
1 DROP DATABASE IF EXISTS tiendaInformatica;
3 CREATE DATABASE TiendaInformatica;
4 USE tiendaInformatica;
5 DROP TABLE IF EXISTS compra;
6 DROP TABLE IF EXISTS cliente;
7 DROP TABLE IF EXISTS articulo;
9 CREATE TABLE cliente (
10 CodCliente char(3),
11 nombreC varchar(40) not null,
12 direccion varchar(40) not null,
13 telefono numeric(9,0),
5
Salida del historial
Compilación correcta o mensajes de error
SQLAdditions
Jump to
CREATE DATABASE Syntax:
CREATE {DATABASE | SCHEMA
[create_specification] .
create_specification:
[DEFAULT] CHARACTER S
| [DEFAULT] COLLATE [=]
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
24 11:07:27 INSERT INTO compra VALUES('011', '0005', '26/10/06', 2) 1 row(s) affected
25 11:07:27 INSERT INTO compra VALUES('012', '0002', '01/11/06', 1) 1 row(s) affected
26 11:07:27 INSERT INTO compra VALUES('012', '0003', '01/11/06', 3) 1 row(s) affected
27 11:07:27 INSERT INTO compra VALUES('013', '0006', '27/10/06', 2) 1 row(s) affected
28 11:07:27 INSERT INTO compra VALUES('013', '0003', '27/10/06', 2) 1 row(s) affected 0.110 sec
29 11:07:27 INSERT INTO compra VALUES('015', '0004', '03/11/06', 1) 1 row(s) affected 0.219 sec
30 11:07:27 INSERT INTO compra VALUES('015', '0002', '24/11/06', 1) 1 row(s) affected 0.141 sec
31 11:07:28 INSERT INTO compra VALUES('015', '0007', '15/11/06', 2) 1 row(s) affected 0.062 sec
Copy Row
Copy Action
Copy Response
Copy Duration
Clear
Botón derecho del ratón y clear,
para limpiar los mensajes anteriores


MySQL Workbench
Local instance MySQL Router
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
aloja
Tables
actividad
alojamiento
habitacion
personal
realizaactividad
Views
Stored Procedures
Functions
campocalculado
sakila
sys
world
Information
Schema: aloja
tablasTienda
SQL File 4*
Limit to 1000 rows
1 CREATE DATABASE db1;
2 USE db1;
6
Schema:
Esquemas de las bases de datos que tenemos o hemos tenido en el servidor.
En el esquema actual está la base de datos de los alojamientos de la Comunidad de Madrid. He desplegado las tablas y podemos observar las distintas tablas de las que está compuesta la Base de Datos
SQLAdditions
Jump to
CREATE DATABASE Syntax:
CREATE {DATABASE | SCHEMA
[create_specification] .
create_specification:
[DEFAULT] CHARACTER S
| [DEFAULT] COLLATE [=]
CREATE DATABASE creates a databas with the given name. To use this statement, you need the CREATE privilege for the database. CREATE SCHEMA is a synonym for CREATE DATABASE.
Context Help
Snippets
Output
Action Output
Time Action Message Duration / Fetch


MySQL Workbench
Local instance MySQL Router
File Edit View Query Database Server Tools Scripting Help
Connect to Database... Ctrl+U
Manage Connections...
Reverse Engineer... Ctrl+R
Schema Transfer Wizard...
Migration Wizard...
Edit Type Mappings for Generic Migration...
Search Table Data...
Navigator
SCHEMAS
Filter objects
aloja
Tables
actividad
alojamiento
habitacion
personal
realizaactividad
Views
Limit to 1000 rows
tiendaInformatica;
nformatica;
5 DROP TABLE IF EXISTS compra;
6 DROP TABLE IF EXISTS cliente;
7 DROP TABLE IF EXISTS articulo;
Reverse Engineer Database
Connection Options
Connect to DBMS
Select Schemas
Retrieve Objects
Select Objects
Reverse Engineer
Results
Set Parameters for Connecting to a DBMS
Stored Connection: Local instance MySQL Router
Select from saved connection settings
Connection Method: Standard (TCP/IP)
Method to use to connect to the RDBMS
Parameters SSL Advanced
Hostname: localhost
Port: 3306
Name or IP address of the server host - and TCP/IP port.
Username: root
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.
Dejamos las opciones por defecto, importante seleccionar la base de datos que queremos pasar al modelo EER
Crear modelo EER de la base de datos
Connection Options
Connect to DBMS
Select Schemas
Retrieve Objects
Select Objects
Reverse Engineer
Results
Connect to DBMS and Fetch Information
The following tasks will now be executed. Please monitor the execution.
Press Show Logs to see the execution logs.
Connect to DBMS
Retrieve Schema List from Database
Check Common Server Configuration Issues
Execution Completed Successfully
Fetch finished.
Reverse Engineer Database
Connection Options
Connect to DBMS
Select Schemas
Retrieve Objects
Select Objects
Select Schemas to Reverse Engineer
Back Next Cancel
Select the schemas you want to include:
aloja
campocalculado
sakila
tiendainformatica
world
Connection Options
Connect to DBMS
Select Schemas
Retrieve Objects
Select Objects
Reverse Engineer
Results
Select Objects to Reverse Engineer
Import MySQL Table Objects
3 Total Objects, 3 Selected

Con estos pasos hemos creado las tablas y las relaciones de la base de datos que hemos seleccionado





Podemos exportar las tablas como imagen (png) o como pdf, según nos interese. Para la realización de un proyecto de Bases de Datos nos interesa la imagen.

ntic
master
revolucionamos la comunicación
UNIVERSIDAD
COMPLUTENSE
MADRID