Instituto Tecnológico Superior de Jerez

Jerez de García Salinas a 04 de marzo del 2020

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S17070162

INGENIERÍA EN SISTEMAS COMPUTACIONALES

Administración de Bases de Datos.

6to. SEMESTRE.

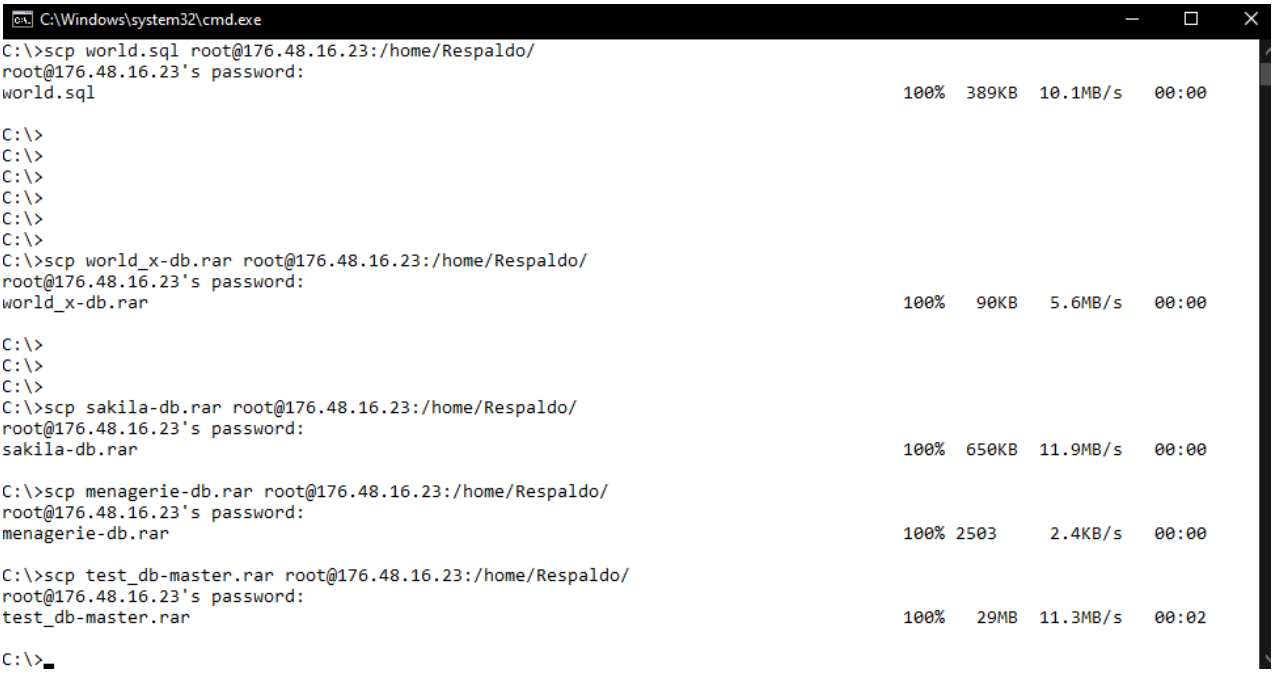
Tema 3

Reporte de Práctica.

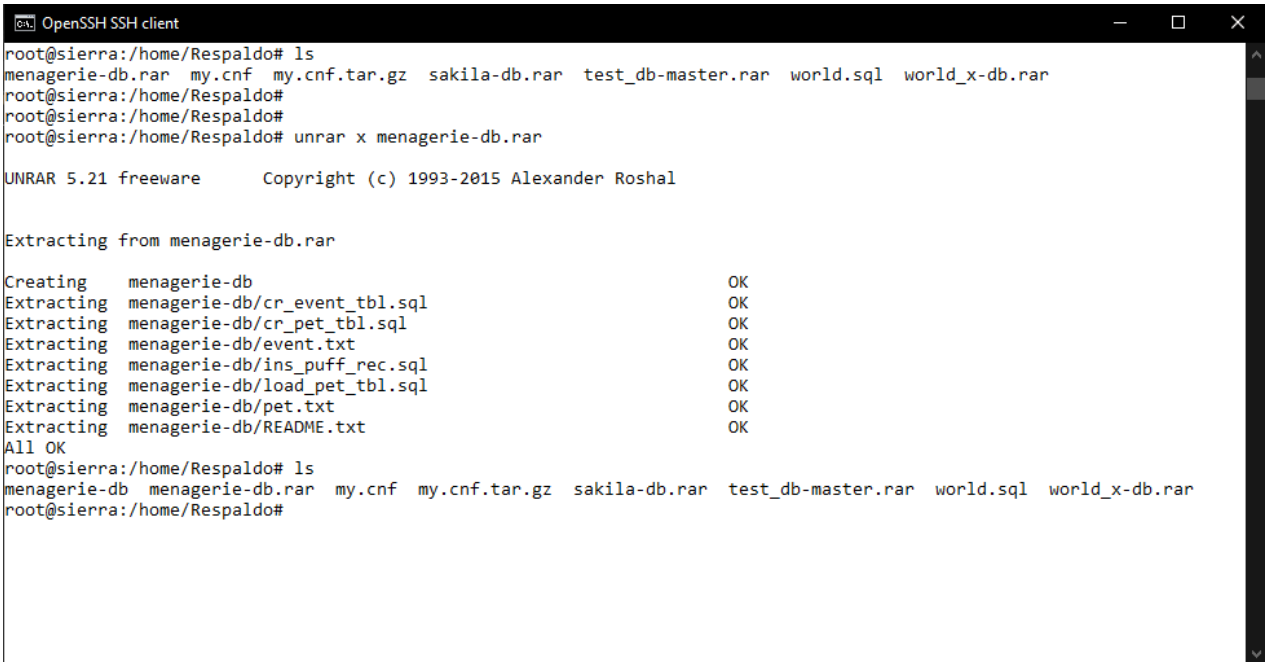
I.S.C. Salvador Acevedo Sandoval.

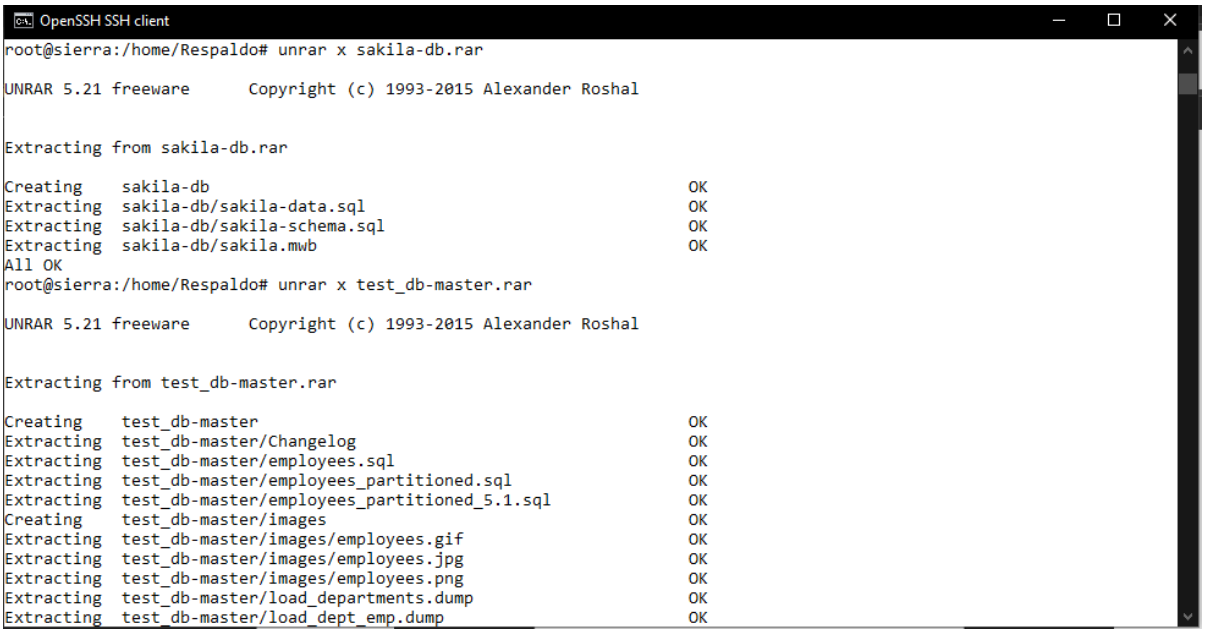
Procedimiento.

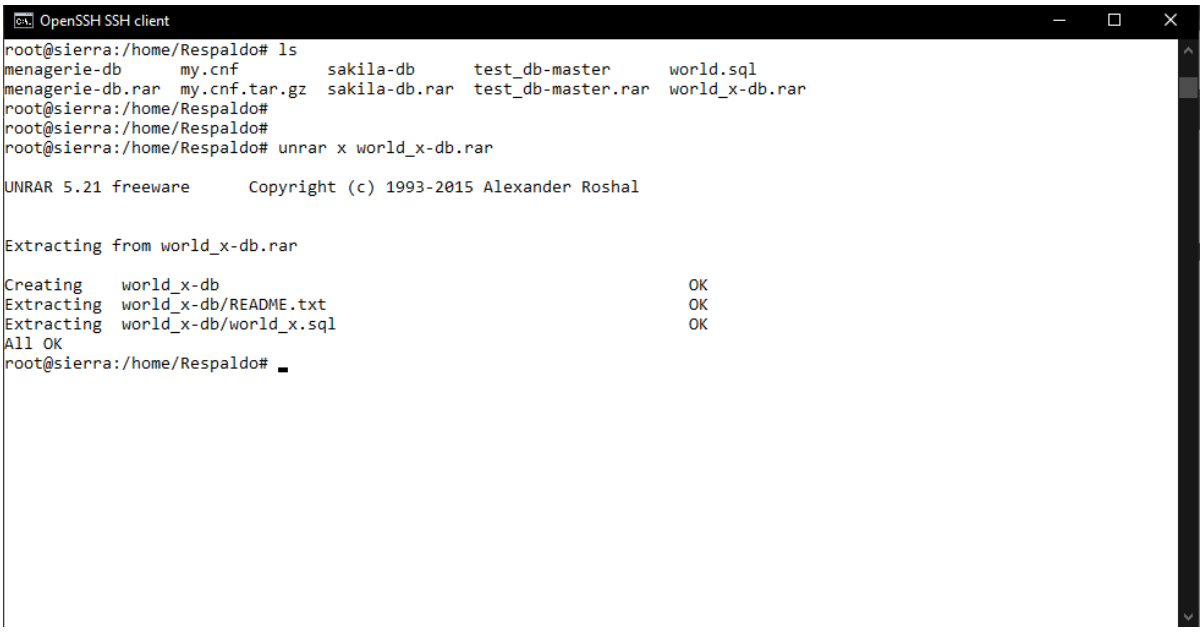
Primeramente, se inició el proceso para pasar los archivos locales al servidor Debian mediante el comando scp.



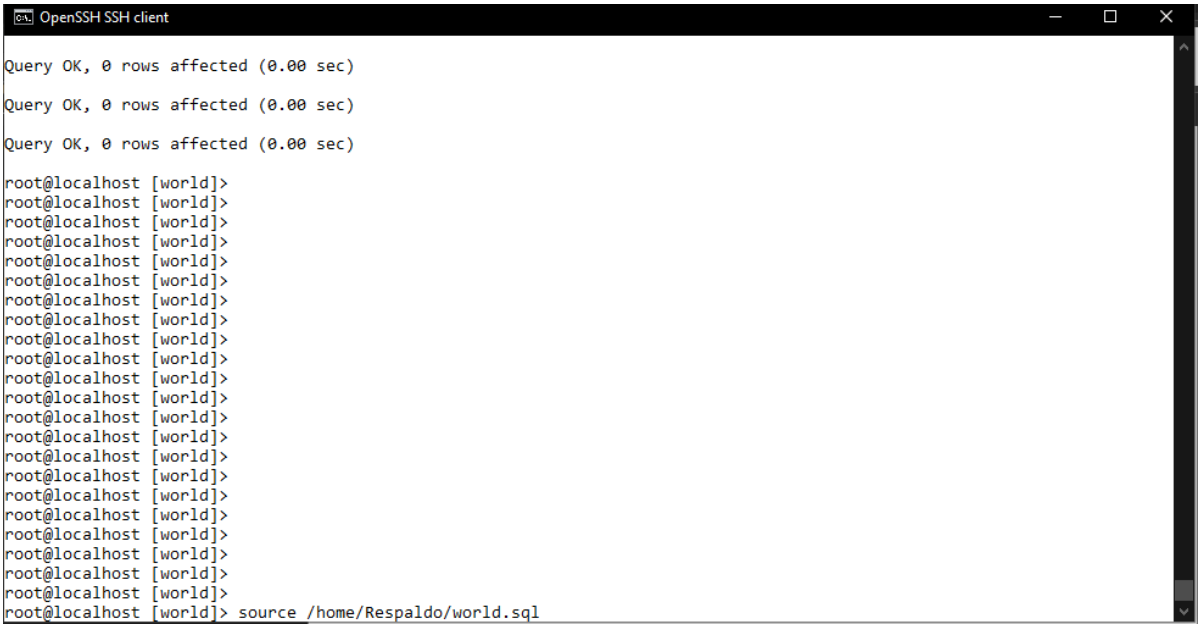
Una vez que las bases de datos estuvieran en el servidor, se descomprimieron los archivos para poder ser utilizados.

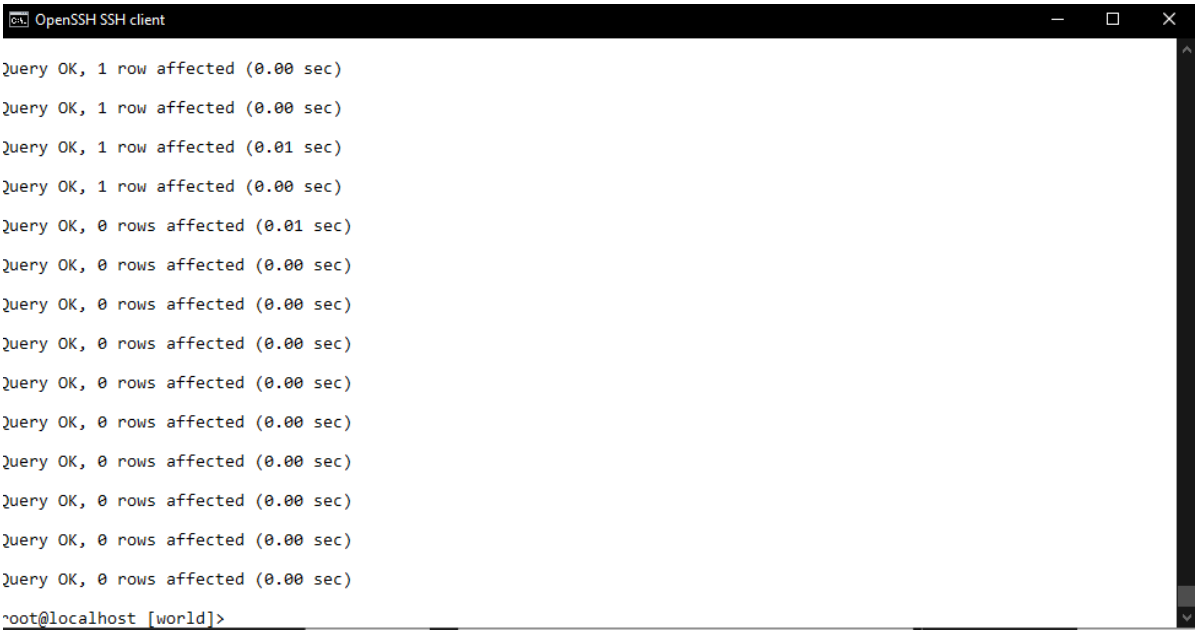



OpenSSH SSH client
root@sierra:/home/Respaldo# unrar x sakila-db.rar
UNRAR 5.21 freeware Copyright (c) 1993-2015 Alexander Roshal
Extracting from sakila-db.rar
Creating sakila-db OK
Extracting sakila-db/sakila-data.sql OK
Extracting sakila-db/sakila-schema.sql OK
Extracting sakila-db/sakila.mwb OK
All OK
root@sierra:/home/Respaldo# unrar x test_db-master.rar
UNRAR 5.21 freeware Copyright (c) 1993-2015 Alexander Roshal
Extracting from test_db-master.rar
Creating test_db-master OK
Extracting test_db-master/Changelog OK
Extracting test_db-master/employees.sql OK
Extracting test_db-master/employees_partitioned.sql OK
Extracting test_db-master/employees_partitioned_5.1.sql OK
Creating test_db-master/images OK
Extracting test_db-master/images/employees.gif OK
Extracting test_db-master/images/employees.jpg OK
Extracting test_db-master/images/employees.png OK
Extracting test_db-master/load_departments.dump OK
Extracting test_db-master/load_dept_emp.dump OK


OpenSSH SSH client
root@sierra:/home/Respaldo# ls
menagerie-db my.cnf sakila-db test_db-master world.sql
menagerie-db.rar my.cnf.tar.gz sakila-db.rar test_db-master.rar world_x-db.rar
root@sierra:/home/Respaldo#
root@sierra:/home/Respaldo#
root@sierra:/home/Respaldo# unrar x world_x-db.rar
UNRAR 5.21 freeware Copyright (c) 1993-2015 Alexander Roshal
Extracting from world_x-db.rar
Creating world_x-db OK
Extracting world_x-db/README.txt OK
Extracting world_x-db/world_x.sql OK
All OK
root@sierra:/home/Respaldo#

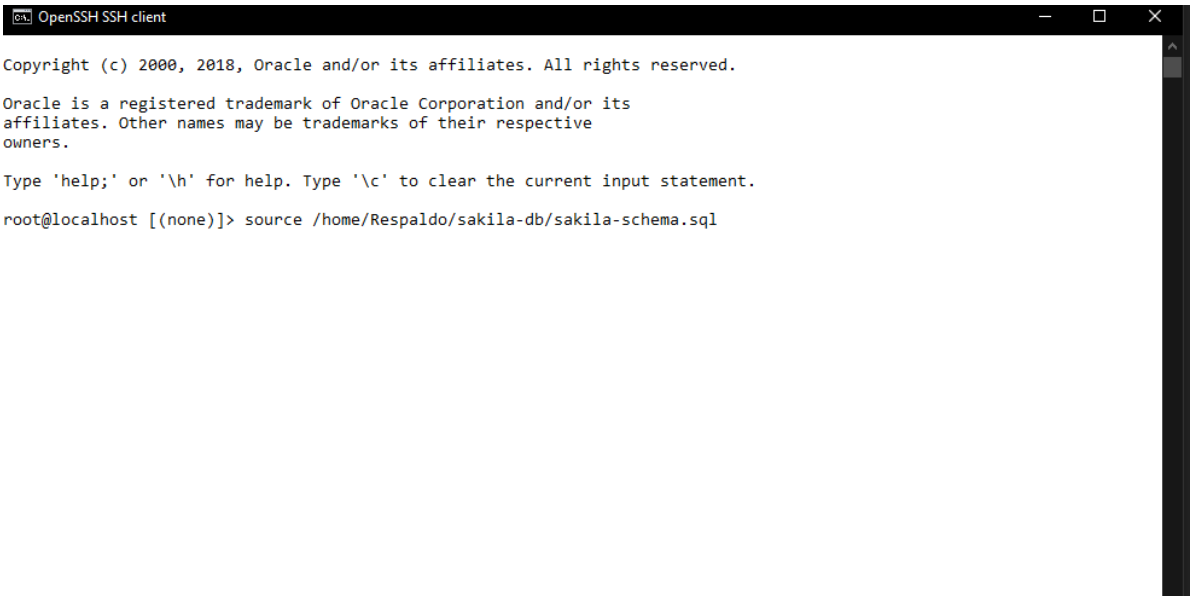
Una vez que las carpetas estuvieran descomprimidas, se procedió a importar las bases de datos mediante el comando “source” seguido de la ruta del archivo .sql y el nombre del mismo.

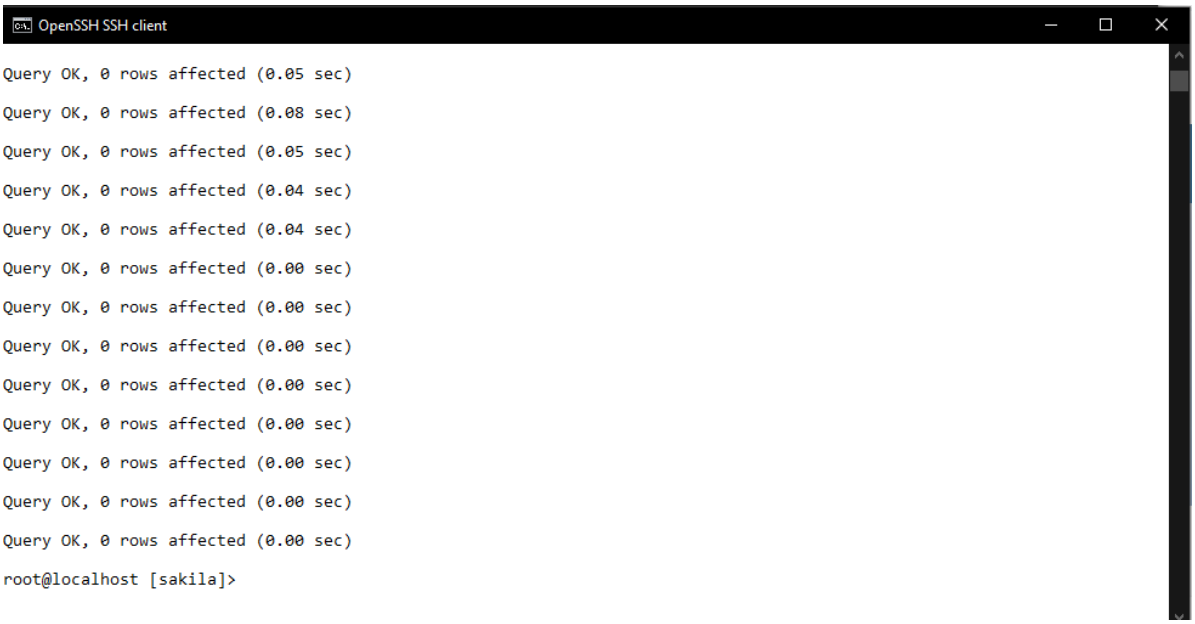


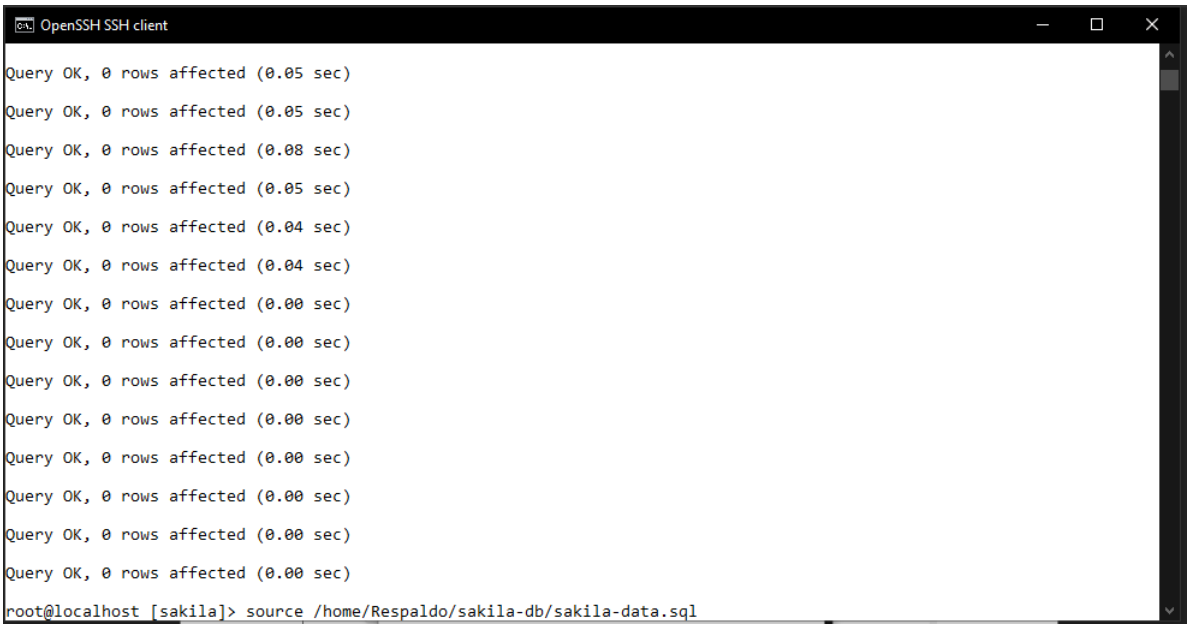


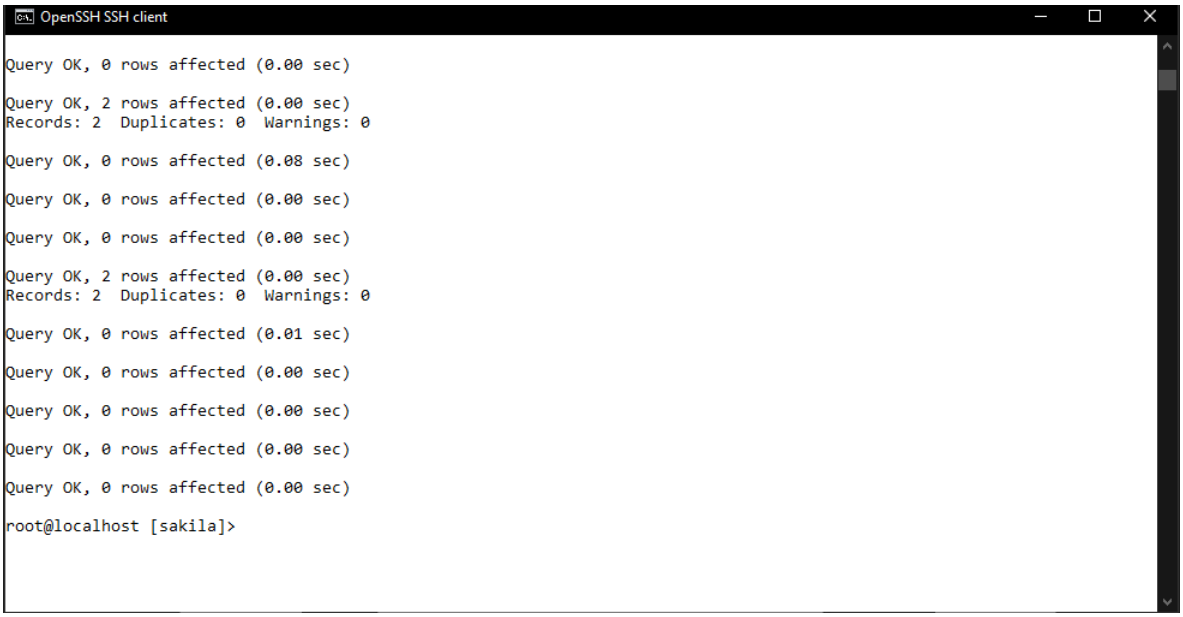
Lo mismo se realizó en todas las Bases de datos.

En este caso primeramente se instaló la base de datos sakila-schema.sql y posteriormente la base de datos sakila-data.sql.

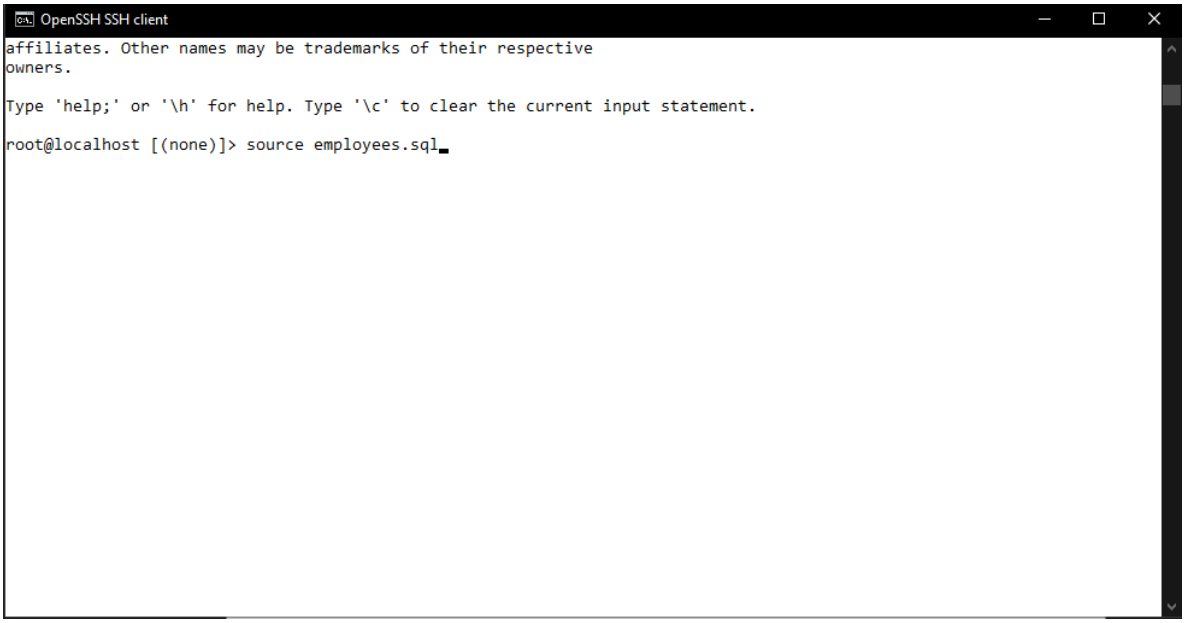


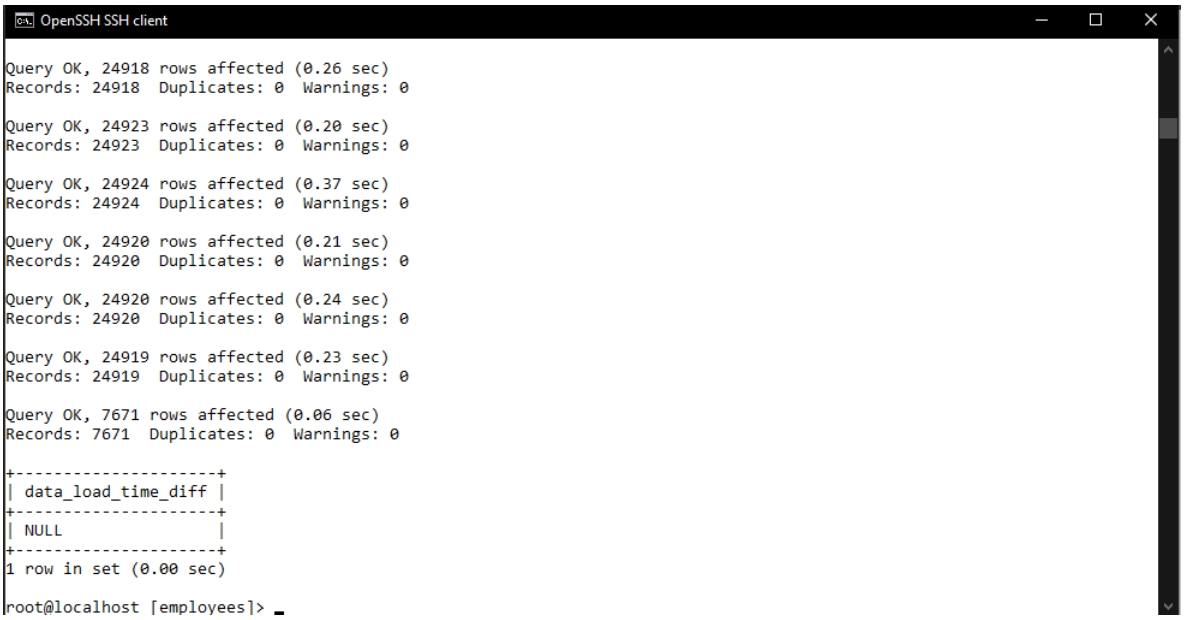



OpenSSH SSH client
Query OK, 0 rows affected (0.05 sec)
Query OK, 0 rows affected (0.05 sec)
Query OK, 0 rows affected (0.08 sec)
Query OK, 0 rows affected (0.05 sec)
Query OK, 0 rows affected (0.04 sec)
Query OK, 0 rows affected (0.04 sec)
Query OK, 0 rows affected (0.00 sec)
Query OK, 0 rows affected (0.00 sec)
Query OK, 0 rows affected (0.00 sec)
Query OK, 0 rows affected (0.00 sec)
Query OK, 0 rows affected (0.00 sec)
Query OK, 0 rows affected (0.00 sec)
Query OK, 0 rows affected (0.00 sec)
Query OK, 0 rows affected (0.00 sec)
root@localhost [sakila]> source /home/Respaldo/sakila-db/sakila-data.sql

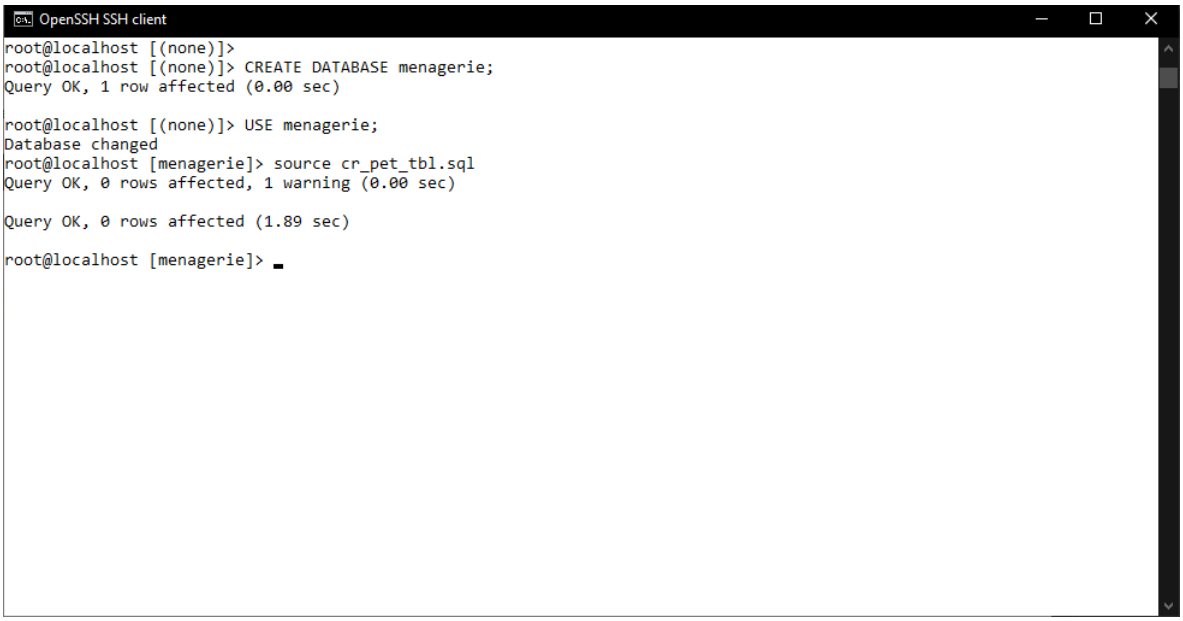

OpenSSH SSH client
Query OK, 0 rows affected (0.00 sec)
Query OK, 2 rows affected (0.00 sec)
Records: 2 Duplicates: 0 Warnings: 0
Query OK, 0 rows affected (0.08 sec)
Query OK, 0 rows affected (0.00 sec)
Query OK, 0 rows affected (0.00 sec)
Query OK, 2 rows affected (0.00 sec)
Records: 2 Duplicates: 0 Warnings: 0
Query OK, 0 rows affected (0.01 sec)
Query OK, 0 rows affected (0.00 sec)
Query OK, 0 rows affected (0.00 sec)
Query OK, 0 rows affected (0.00 sec)
Query OK, 0 rows affected (0.00 sec)
root@localhost [sakila]>

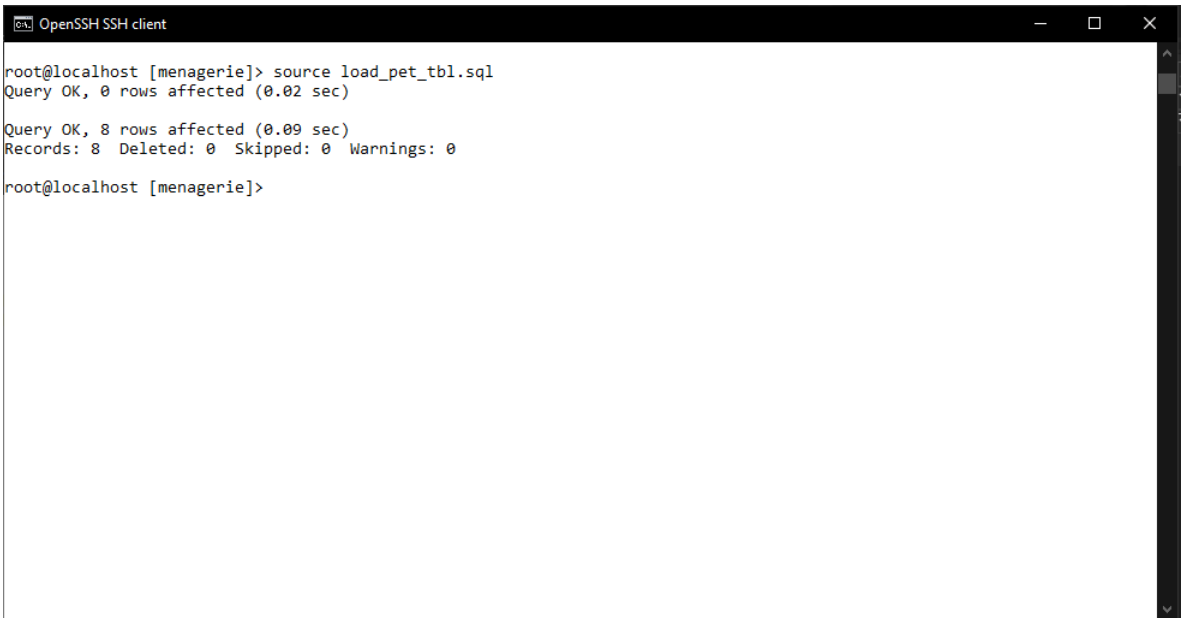
Para la base de datos employees fue el mismo procedimiento que en las anteriores. Aunque en esta se tenia que iniciar mysql en la carpeta donde se encontraba el archivo .sql.

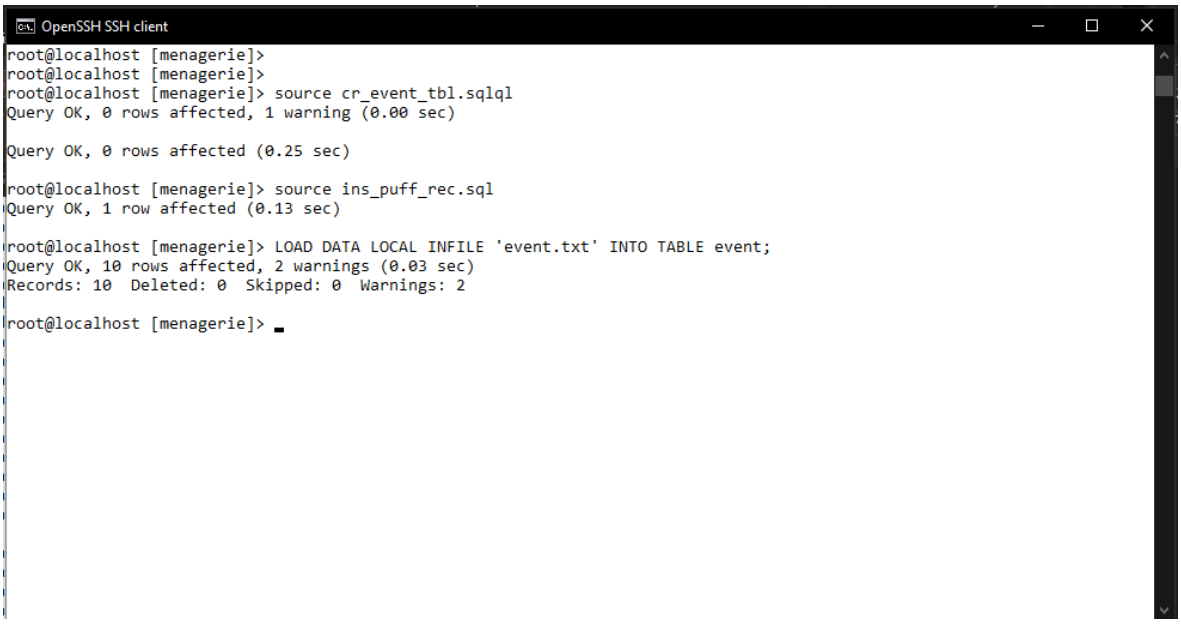




En la base de Datos menagerie fue un poco más complejo. Primero había que crear la base de datos manualmente para después importar los archivos .sql y finalmente cargar los datos desde archivos de texto. Para lograr esto se tiene que iniciar sesión de mysql con el comando mysql –local-infile=1 -u root -p

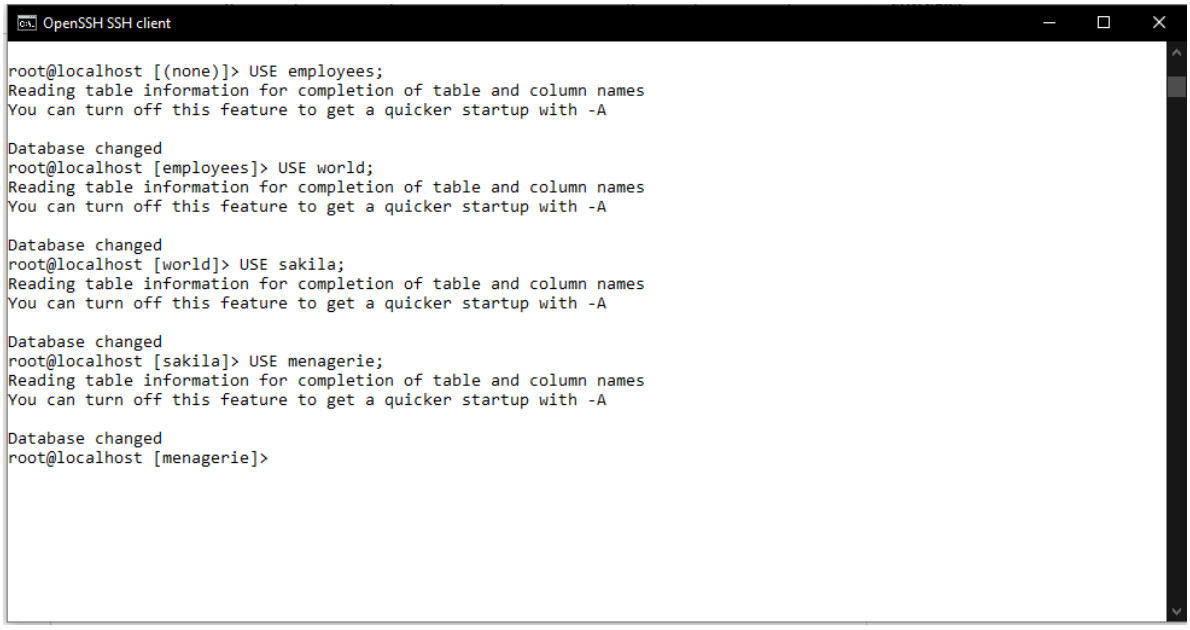






Resultados.

2. Captura de pantalla de la conexión a cada BD desde MySQL, donde aparezca su conexión a través de su cliente SSH (por ejemplo Putty).

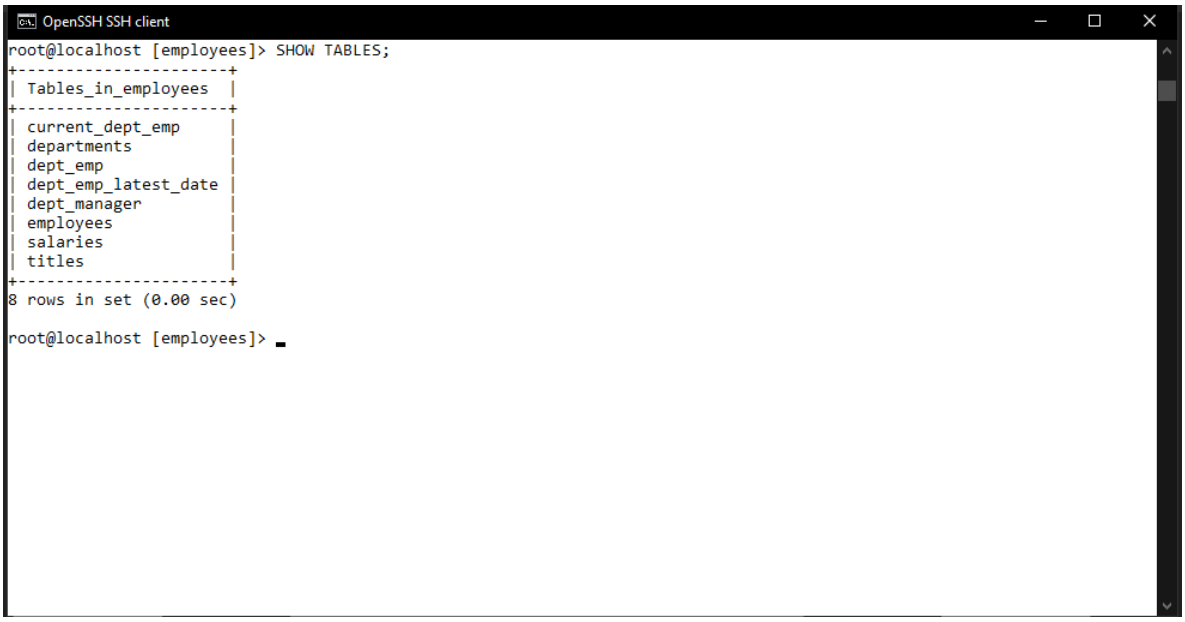


3. Además de una consulta de todas las bases de datos.

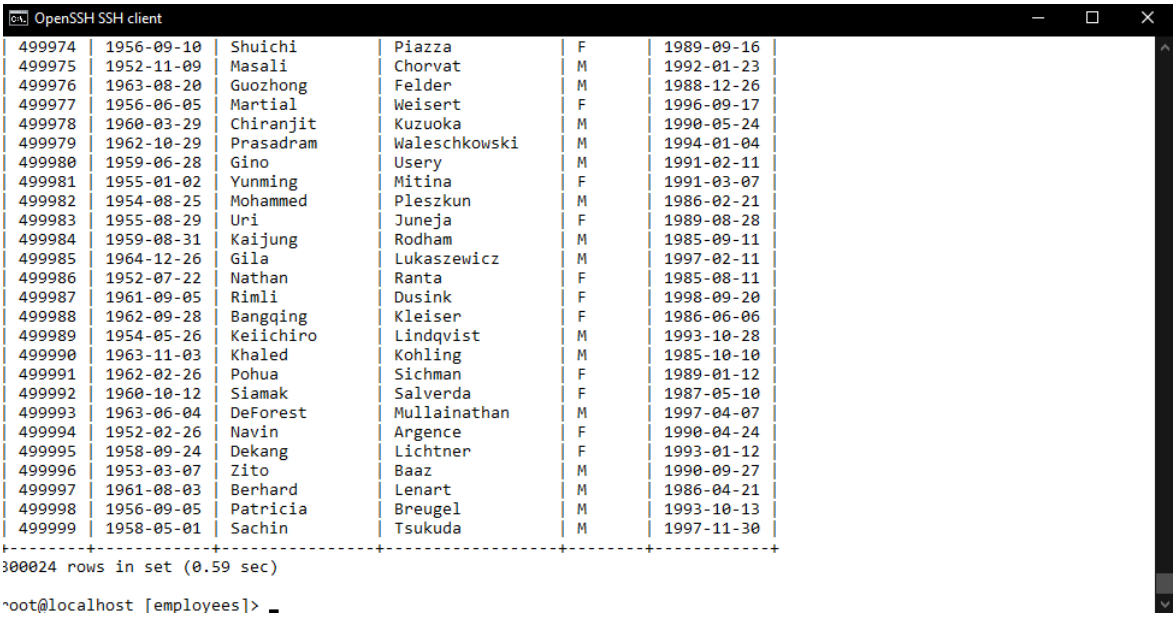
4. Una consulta de todas las tablas de las 5 bases de datos.

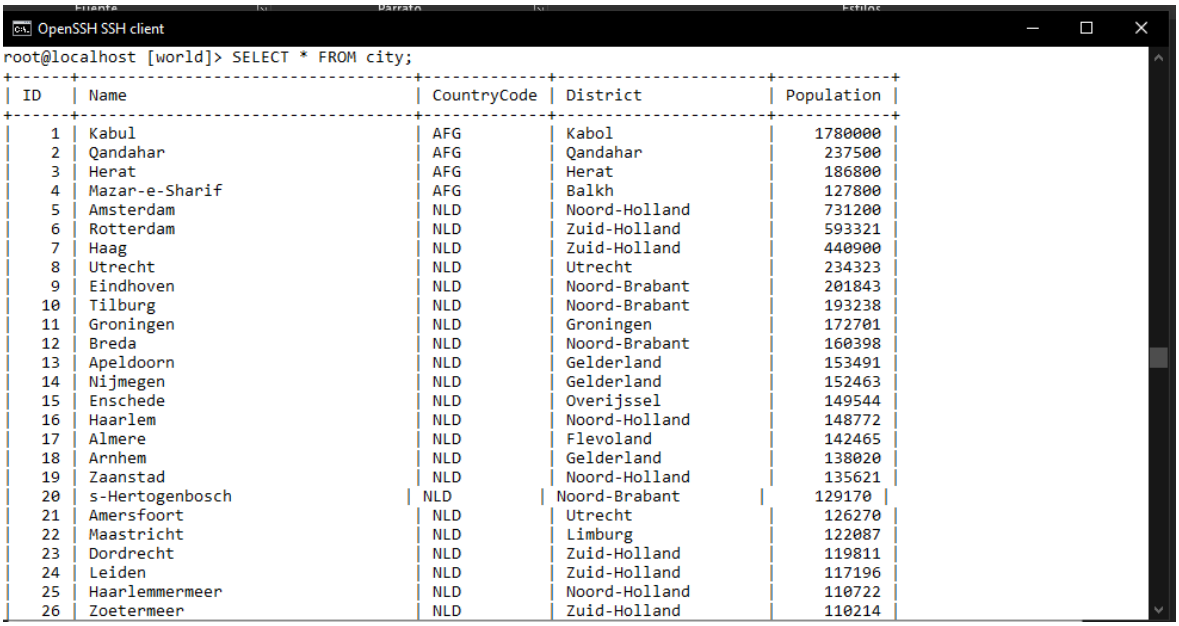
OpenSSH SSH client
+----------------------------+
| Tables_in_sakila |
+----------------------------+
| actor |
| actor_info |
| address |
| category |
| city |
| country |
| customer |
| customer_list |
| film |
| film_actor |
| film_category |
| film_list |
| film_text |
| inventory |
| language |
| nicer_but_slower_film_list |
| payment |
| rental |
| sales_by_film_category |
| sales_by_store |
| staff |
| staff_list |
| store |
+----------------------------+
23 rows in set (0.00 sec)
root@localhost [sakila]>

OpenSSH SSH client
root@localhost [world]> SHOW TABLES;
+-----------------+
| Tables_in_world |
+-----------------+
| city |
| country |
| countrylanguage |
+-----------------+
3 rows in set (0.00 sec)
root@localhost [world]>

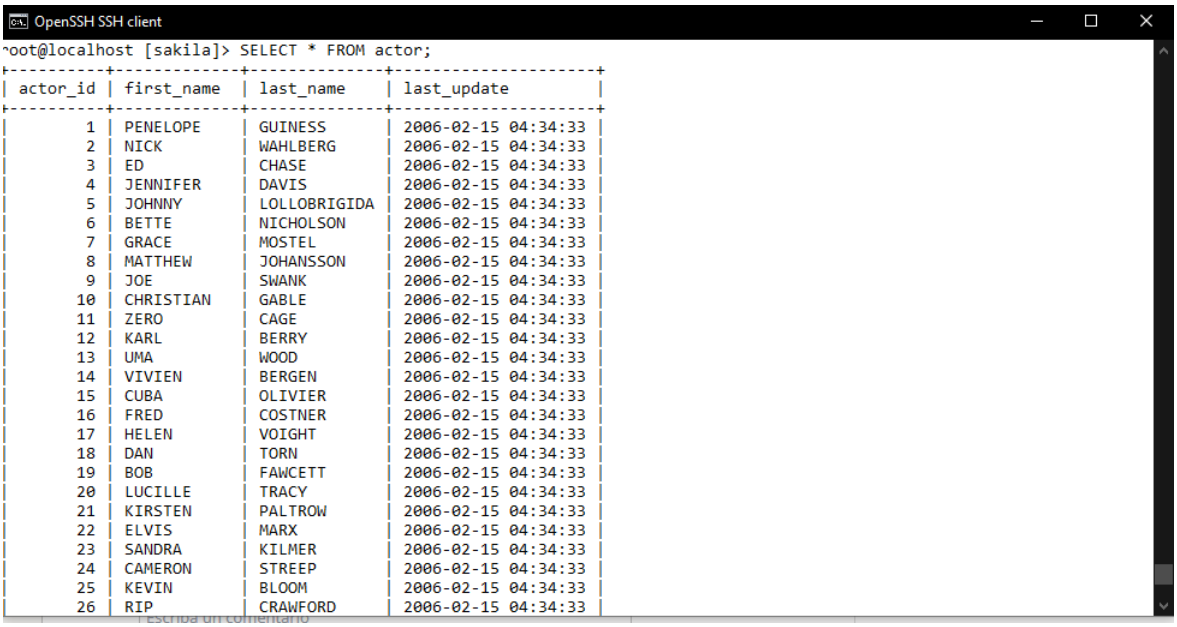


5. Una consulta de todos los registros de una tabla, para cada una de las BD.

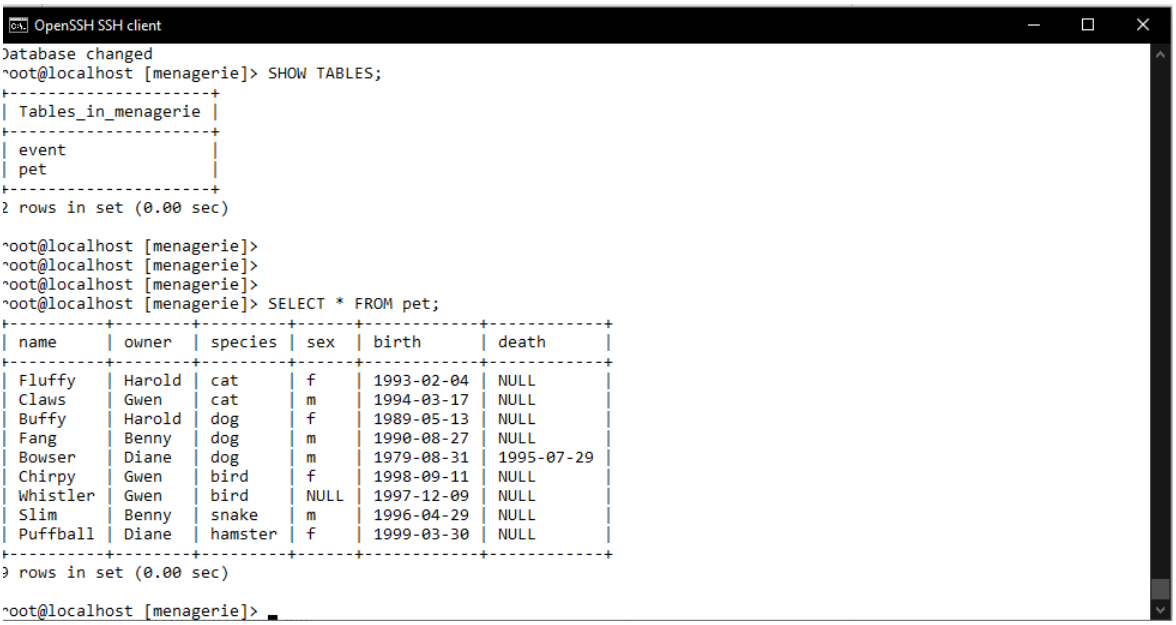




ID	Name	CountryCode	District	Population
1	Kabul	AFG	Kabol	1780000
2	Qandahar	AFG	Qandahar	237500
3	Herat	AFG	Herat	186800
4	Mazar-e-Sharif	AFG	Balkh	127800
5	Amsterdam	NLD	Noord-Holland	731200
6	Rotterdam	NLD	Zuid-Holland	593321
7	Haag	NLD	Zuid-Holland	440900
8	Utrecht	NLD	Utrecht	234323
9	Eindhoven	NLD	Noord-Brabant	201843
10	Tilburg	NLD	Noord-Brabant	193238
11	Groningen	NLD	Groningen	172701
12	Breda	NLD	Noord-Brabant	160398
13	Apeldoorn	NLD	Gelderland	153491
14	Nijmegen	NLD	Gelderland	152463
15	Enschede	NLD	Overijssel	149544
16	Haarlem	NLD	Noord-Holland	148772
17	Almere	NLD	Flevoland	142465
18	Arnhem	NLD	Gelderland	138020
19	Zaanstad	NLD	Noord-Holland	135621
20	s-Hertogenbosch	NLD	Noord-Brabant	129170
21	Amersfoort	NLD	Utrecht	126270
22	Maastricht	NLD	Limburg	122087
23	Dordrecht	NLD	Zuid-Holland	119811
24	Leiden	NLD	Zuid-Holland	117196
25	Haarlemmermeer	NLD	Noord-Holland	110722
26	Zoetermeer	NLD	Zuid-Holland	110214



actor_id	first_name	last_name	last_update
1	PENELOPE	GUINESS	2006-02-15 04:34:33
2	NICK	WAHLBERG	2006-02-15 04:34:33
3	ED	CHASE	2006-02-15 04:34:33
4	JENNIFER	DAVIS	2006-02-15 04:34:33
5	JOHNNY	LOLLOBRIGIDA	2006-02-15 04:34:33
6	BETTE	NICHOLSON	2006-02-15 04:34:33
7	GRACE	MOSTEL	2006-02-15 04:34:33
8	MATTHEW	JOHANSSON	2006-02-15 04:34:33
9	JOE	SWANK	2006-02-15 04:34:33
10	CHRISTIAN	GABLE	2006-02-15 04:34:33
11	ZERO	CAGE	2006-02-15 04:34:33
12	KARL	BERRY	2006-02-15 04:34:33
13	UMA	WOOD	2006-02-15 04:34:33
14	VIVIEN	BERGEN	2006-02-15 04:34:33
15	CUBA	OLIVIER	2006-02-15 04:34:33
16	FRED	COSTNER	2006-02-15 04:34:33
17	HELEN	VOIGHT	2006-02-15 04:34:33
18	DAN	TORN	2006-02-15 04:34:33
19	BOB	FAWCETT	2006-02-15 04:34:33
20	LUCILLE	TRACY	2006-02-15 04:34:33
21	KIRSTEN	PALTROW	2006-02-15 04:34:33
22	ELVIS	MARX	2006-02-15 04:34:33
23	SANDRA	KILMER	2006-02-15 04:34:33
24	CAMERON	STREEP	2006-02-15 04:34:33
25	KEVIN	BLOOM	2006-02-15 04:34:33
26	RIP	CRAWFORD	2006-02-15 04:34:33


OpenSSH SSH client
Database changed
root@localhost [menagerie]> SHOW TABLES;
+---------------------+
| Tables_in_menagerie |
+---------------------+
| event |
| pet |
+---------------------+
2 rows in set (0.00 sec)
root@localhost [menagerie]>
root@localhost [menagerie]>
root@localhost [menagerie]>
root@localhost [menagerie]> SELECT * FROM pet;
+----------+--------+---------+------+------------+------------+
| name | owner | species | sex | birth | death |
+----------+--------+---------+------+------------+------------+
Fluffy	Harold	cat	f	1993-02-04	NULL
Claws	Gwen	cat	m	1994-03-17	NULL
Buffy	Harold	dog	f	1989-05-13	NULL
Fang	Benny	dog	m	1990-08-27	NULL
Bowser	Diane	dog	m	1979-08-31	1995-07-29
Chirpy	Gwen	bird	f	1998-09-11	NULL
Whistler	Gwen	bird	NULL	1997-12-09	NULL
Slim	Benny	snake	m	1996-04-29	NULL
Puffball	Diane	hamster	f	1999-03-30	NULL
+----------+--------+---------+------+------------+------------+
9 rows in set (0.00 sec)
root@localhost [menagerie]>