



INSTITUTO TECNOLÓGICO SUPERIOR DE JEREZ



INGENIERÍA EN SISTEMAS COMPUTACIONALES

ADMINISTRACIÓN DE BASES DE DATOS

8° SEMESTRE

I.S.C. SALVADOR ACEVEDO SANDOVAL

“REPORTE: IMPORTACIÓN DE BDs EN MySQL DEBIAN”

ALBAR DE LA TORRE GARCÍA







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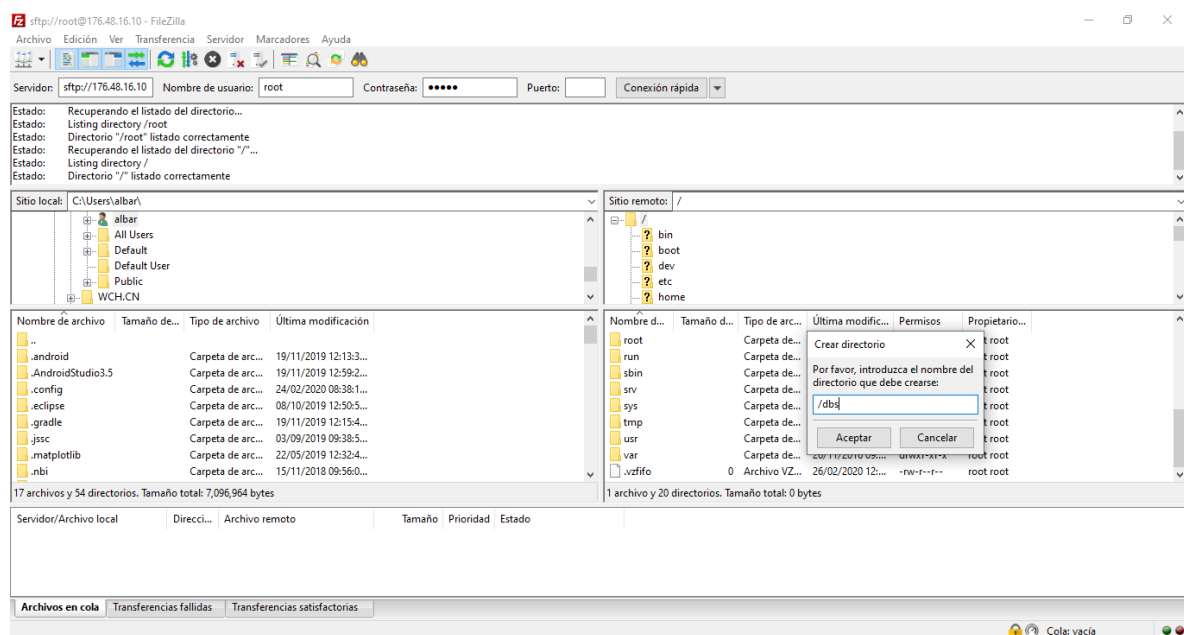
JEREZ ZACATECAS

04 DE MARZO DEL 2019

En esta actividad se busca realizar la instalación o, mejor dicho, importación de algunas bases de datos proporcionadas por MySQL para poder realizar pruebas.

	sakila-data.sql	22/01/2020 05:13 p. m.	SQL Text File	3,274 KB
	sakila-schema.sql	22/01/2020 05:13 p. m.	SQL Text File	24 KB
	world.sql	26/02/2020 08:28 p. m.	SQL Text File	390 KB
	world_x.sql	28/01/2020 01:07 p. m.	SQL Text File	546 KB
	employees.sql	09/04/2019 12:13 p. m.	SQL Text File	5 KB
	menagerie-db	13/12/2010 03:53 a. m.	Carpeta de archivos	

Al realizar la actividad en un servidor debían lo primero que se debe hacer es mediante algún programa FTP, pasar los archivos necesarios en alguno de sus directorios o bien crear uno para este propósito.



En mi caso utilice FileZila en donde cree el directorio dbs donde posteriormente introduciría todos los archivos necesarios.

Sitio remoto: /dbs						
/						
<ul style="list-style-type: none"> <li>bin</li> <li>boot</li> <li>dbs</li> <li>dev</li> <li>etc</li> </ul>						
Nombre d...	Tamaño d...	Tipo de arc...	Última modific...	Permisos	Propietario...	
..						
menager...		Carpeta de...	03/03/2020 11:...	drwxr-xr-x	root root	
employee...	4,193	SQL Text File	03/03/2020 11:...	-rw-r--r--	root root	
sakila-da...	3,351,768	SQL Text File	03/03/2020 11:...	-rw-r--r--	root root	
sakila-sc...	24,278	SQL Text File	03/03/2020 11:...	-rw-r--r--	root root	
world.sql	398,635	SQL Text File	03/03/2020 11:...	-rw-r--r--	root root	
world_x....	558,791	SQL Text File	03/03/2020 11:...	-rw-r--r--	root root	
5 archivos y 1 directorio. Tamaño total: 4,337,665 bytes						

Después me conecte mediante putty a mi servidor debían y ubique el directorio.

```

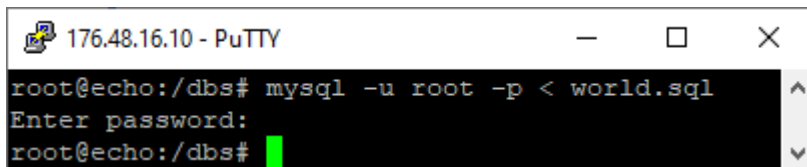
176.48.16.10 - PuTTY
login as: root
root@176.48.16.10's password:
Access denied
root@176.48.16.10's password:

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Tue Mar  3 12:58:36 2020 from 176.48.16.1
root@echo:~# cd /
root@echo:/# ls
bin  dbs  etc  lib  lost+found  mnt  proc  run  srv  tmp  var
boot  dev  home  lib64  media      opt  root  sbin  sys  usr
root@echo:/# cd dbs
root@echo:/dbs# ls
employees.sql  sakila-data.sql  world.sql
menagerie-db  sakila-schema.sql  world_x.sql
root@echo:/dbs#

```

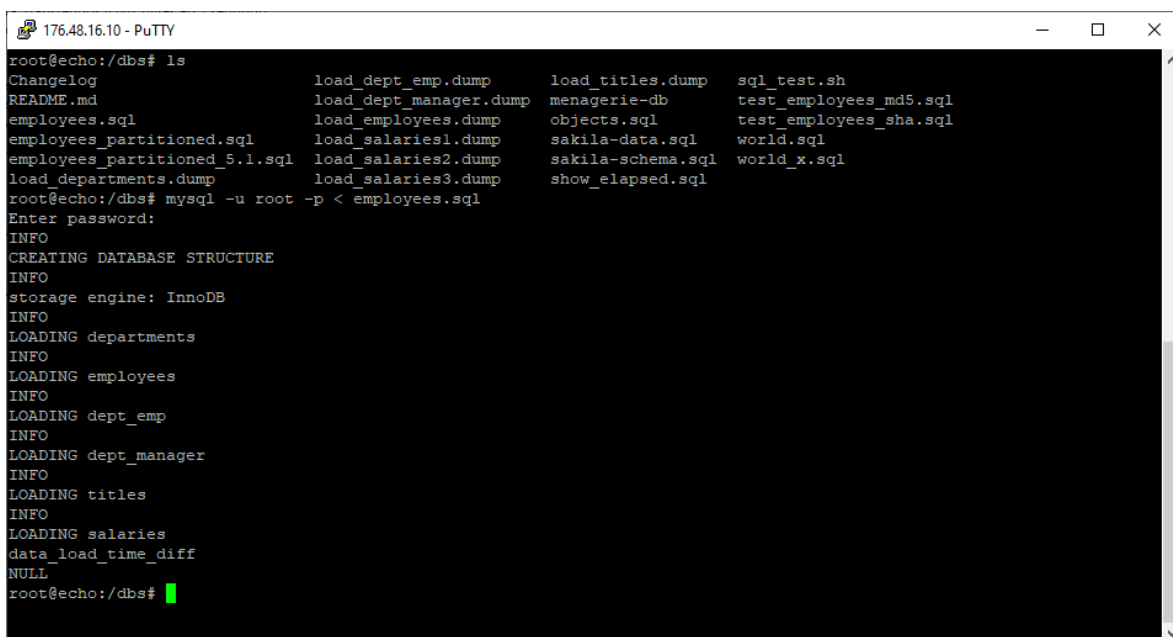
La primera base de datos que importe, fue la de world. Esto se realiza mediante el comando que se muestra a continuación.



```
176.48.16.10 - PuTTY
root@echo:/dbs# mysql -u root -p < world.sql
Enter password:
root@echo:/dbs#
```

Cabe mencionar que el símbolo < representa que se realizara la importación y posteriormente seguido del directorio y el archivo, pero al ya está ubicados en el directorio, solo fue necesario poner el nombre del archivo.

La siguiente base de datos que importe fue la de employees, el comando es el mismo seleccionando el archivo correspondiente, sin embargo, en este caso, esta BD necesita de algunos archivos que vienen en la descarga y tienen que estar en el mismo directorio que employees.sql



```
176.48.16.10 - PuTTY
root@echo:/dbs# ls
Changelog          load_dept_emp.dump      load_titles.dump       sql_test.sh
README.md          load_dept_manager.dump  menagerie-db           test_employees_md5.sql
employees.sql       load_employees.dump     objects.sql            test_employees_sha.sql
employees_partitioned.sql  load_salaries1.dump    sakila-data.sql        world.sql
employees_partitioned_5.1.sql  load_salaries2.dump    sakila-schema.sql      world_x.sql
load_departments.dump  load_salaries3.dump    show_elapsed.sql
root@echo:/dbs# mysql -u root -p < employees.sql
Enter password:
INFO
CREATING DATABASE STRUCTURE
INFO
storage engine: InnoDB
INFO
LOADING departments
INFO
LOADING employees
INFO
LOADING dept_emp
INFO
LOADING dept_manager
INFO
LOADING titles
INFO
LOADING salaries
data_load_time_diff
NULL
root@echo:/dbs#
```

Posteriormente instale sakila, esta BD cuenta con 2 archivos de los cuales ambos deben de ser ejecutados usando el mismo comando solo para el primer archivo, ya que este crea la base de datos y las tablas, para ejecutar el segundo comando hay que escribir el nombre de la base de datos antes del símbolo <, esto debido a que el segundo archivo solo hace los inserts y hay que indicar en que base de datos se va a trabajar.

```
176.48.16.10 - PuTTY
root@echo:/dbs# ls
Changelog                load_dept_emp.dump      load_titles.dump       sql_test.sh
README.md               load_dept_manager.dump  menagerie-db           test_employees_md5.sql
employees.sql            load_employees.dump     objects.sql            test_employees_sha.sql
employees_partitioned.sql load_salaries1.dump     sakila-data.sql        world.sql
employees_partitioned_5.1.sql load_salaries2.dump     sakila-schema.sql      world_x.sql
load_departments.dump   load_salaries3.dump     show_elapsed.sql
root@echo:/dbs# mysql -u root -p < sakila-schema.sql
Enter password:
root@echo:/dbs# mysql -u root -p sakila < sakila-data.sql
Enter password:
root@echo:/dbs#
```

Para la última base de datos, hay que entrar en su directorio, el cual esta a su vez en donde están las demás bases de datos.

Una vez en el directorio entraremos a MySQL de manera habitual y creamos manualmente la base de datos.

```
176.48.16.10 - PuTTY
root@echo:~# mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 58
Server version: 5.5.62-0+deb8u1 (Debian)

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Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

root@localhost:~# CREATE DATABASE menagerie;
Query OK, 1 row affected (0.00 sec)

root@localhost:~#
```

Después salimos del MySQL y realizamos el primer import como lo hicimos anteriormente.

```
176.48.16.10 - PuTTY
root@echo:/dbs/menagerie-db# ls
README.txt  cr_event_tbl.sql  cr_pet_tbl.sql  event.txt  ins_puff_rec.sql  load_pet_tbl.sql  pet.txt
root@echo:/dbs/menagerie-db# mysql -u root -p menagerie < cr_pet_tbl.sql
Enter password:
root@echo:/dbs/menagerie-db#
```

Entramos nuevamente a MySQL y usamos la BD y ponemos los siguientes comando para ir cargando las tablas y sus inserts correspondientes.

```
176.48.16.10 - PuTTY
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

root@localhost:[(none)]> LOAD DATA LOCAL INFILE 'pet.txt' INTO TABLE pet;
ERROR 1046 (3D000): No database selected
root@localhost:[(none)]> use menagerie;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
root@localhost:[menagerie]> LOAD DATA LOCAL INFILE 'pet.txt' INTO TABLE pet;
Query OK, 8 rows affected (0.04 sec)
Records: 8 Deleted: 0 Skipped: 0 Warnings: 0

root@localhost:[menagerie]> SOURCE ins_puff_rec.sql
Query OK, 1 row affected (0.05 sec)

root@localhost:[menagerie]> SOURCE cr_event_tbl.sql
Query OK, 0 rows affected, 1 warning (0.00 sec)

Query OK, 0 rows affected (0.05 sec)

root@localhost:[menagerie]> LOAD DATA LOCAL INFILE 'event.txt' INTO TABLE event;
Query OK, 10 rows affected, 2 warnings (0.04 sec)
Records: 10 Deleted: 0 Skipped: 0 Warnings: 2

root@localhost:[menagerie]>
```

## Resultados

Muestra de la correcta creación de las bases de datos.

```
176.48.16.10 - PuTTY
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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

root@localhost:[(none)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| Escuela |
| Usuarios_sistema |
| employees |
| menagerie |
| mysql |
| mysqlslap |
| performance_schema |
| sakila |
| world |
| world_x |
+-----+
11 rows in set (0.00 sec)

root@localhost:[(none)]>
```

## Muestra de las tablas de Empleos y Menagerie

```
176.48.16.10 - PuTTY

root@localhost:[employees]> show tables;
+-----+
| Tables_in_employees |
+-----+
| current_dept_emp |
| departments |
| dept_emp |
| dept_emp_latest_date |
| dept_manager |
| employees |
| salaries |
| titles |
+-----+
8 rows in set (0.00 sec)

root@localhost:[employees]> use menagerie;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
root@localhost:[menagerie]> show tables;
+-----+
| Tables_in_menagerie |
+-----+
| event |
| pet |
+-----+
2 rows in set (0.00 sec)

root@localhost:[menagerie]>
```

## Muestra de las tablas de Sakila

```
176.48.16.10 - PuTTY

root@localhost:[menagerie]> use sakila;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
root@localhost:[sakila]> show tables;
+-----+
| 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]>
```

## Muestra de tablas de world

```
176.48.16.10 - PuTTY

| 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]> use world;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
root@localhost:[world]> show tables;
+-----+
| Tables_in_world |
+-----+
| city             |
| country          |
| countrylanguage  |
+-----+
3 rows in set (0.00 sec)

root@localhost:[world]>
```



Select de una tabla de Employees con un límite de 15 registros.

```
176.48.16.10 - PuTTY
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
root@localhost:[employees]> select * from titles LIMIT 15;
+-----+-----+-----+-----+
| emp_no | title           | from_date | to_date   |
+-----+-----+-----+-----+
| 10001 | Senior Engineer | 1986-06-26 | 9999-01-01 |
| 10002 | Staff           | 1996-08-03 | 9999-01-01 |
| 10003 | Senior Engineer | 1995-12-03 | 9999-01-01 |
| 10004 | Engineer        | 1986-12-01 | 1995-12-01 |
| 10004 | Senior Engineer | 1995-12-01 | 9999-01-01 |
| 10005 | Senior Staff    | 1996-09-12 | 9999-01-01 |
| 10005 | Staff           | 1989-09-12 | 1996-09-12 |
| 10006 | Senior Engineer | 1990-08-05 | 9999-01-01 |
| 10007 | Senior Staff    | 1996-02-11 | 9999-01-01 |
| 10007 | Staff           | 1989-02-10 | 1996-02-11 |
| 10008 | Assistant Engineer | 1998-03-11 | 2000-07-31 |
| 10009 | Assistant Engineer | 1985-02-18 | 1990-02-18 |
| 10009 | Engineer        | 1990-02-18 | 1995-02-18 |
| 10009 | Senior Engineer | 1995-02-18 | 9999-01-01 |
| 10010 | Engineer        | 1996-11-24 | 9999-01-01 |
+-----+-----+-----+-----+
15 rows in set (0.00 sec)

root@localhost:[employees]>
```

Select de una tabla de Managerie

```
176.48.16.10 - PuTTY
Database changed
root@localhost:[menagerie]> show tables;
+-----+
| Tables_in_menagerie |
+-----+
| event                |
| pet                  |
+-----+
2 rows in set (0.00 sec)

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]>
```

Select de una tabla de Sakila

```
176.48.16.10 - PuTTY
```

```

sales_by_store
staff
staff_list
store
-----
23 rows in set (0.00 sec)

root@localhost:[sakila]> select * from actor;

```

actor_id	first_name	last_name	last_update
1	EMELOPE	GUINNESS	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	VIVIAN	BERSEN	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	PAITROW	2006-02-15 04:34:33
22	ELVIS	WAINES	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
27	JULIA	MCQUEEN	2006-02-15 04:34:33
28	WOODY	HOFFMAN	2006-02-15 04:34:33
29	ALIC	WAYNE	2006-02-15 04:34:33
30	SANDRA	PECK	2006-02-15 04:34:33
31	SISSY	SOBIESKI	2006-02-15 04:34:33
32	TIM	HACKMAN	2006-02-15 04:34:33
33	MILLA	PECK	2006-02-15 04:34:33

## Select de una tabla de World

```
176.48.16.10 - PuTTY
```

```

root@localhost:[world]> select * from country;

```

Code	Name	Continent	Region	SurfaceArea	IndepYear	Population	LifeExpectancy	GNP
GNPoid	LocalName	GovernmentForm	HeadOfState	Capital	Code2			
ABW	Aruba	North America	Caribbean	193.00	NULL	103000	78.4	828.00
793.00	Aruba		Nonmetropolitan Territory of The Netherlands	Beatrix	129	AW		
AFG	Afghanistan	Asia	Southern and Central Asia	652090.00	1919	22720000	45.9	5976.00
NULL	Afghanistan/Afqanestan		Islamic Emirate	Mohammad Omar	1	AF		
AGO	Angola	Africa	Central Africa	1246700.00	1975	12878000	38.3	6648.00
7984.00	Angola		Republic	Jos Eduardo dos Santos	56	AO		
AIA	Anguilla	North America	Caribbean	96.00	NULL	8000	76.1	63.20
NULL	Anguilla		Dependent Territory of the UK	Elisabeth II	62	AI		
ALB	Albania	Europe	Southern Europe	28748.00	1912	3401200	71.6	3205.00
2500.00	Albania		Republic	Rexhep Mejdani	34	AL		
AND	Andorra	Europe	Southern Europe	468.00	1278	78000	83.5	1630.00
NULL	Andorra		Parliamentary Coprincipality		55	AD		
ANT	Netherlands Antilles	North America	Caribbean	800.00	NULL	217000	74.7	1941.00
NULL	Netherlands Antilles		Nonmetropolitan Territory of The Netherlands	Beatrix	33	AN		
ARE	United Arab Emirates	Asia	Middle East	83600.00	1971	2441000	74.1	37966.00
36846.00	Al-Imarat al-Arabiya al-Muttahida		Emirate Federation	Yayid bin Sultan al-Nahayan	65	AE		
ARG	Argentina	South America	South America	2780400.00	1816	37032000	75.1	340238.00
323310.00	Argentina		Federal Republic	Fernando de la R	69	AR		
ARM	Armenia	Asia	Middle East	29800.00	1991	3520000	66.4	1813.00
1627.00	Hajastan		Republic	Robert Kotarjan	126	AM		
ASM	American Samoa	Oceania	Polynesia	199.00	NULL	68000	76.1	334.00
NULL	America Samoa		US Territory	George W. Bush	54	AS		
ATA	Antarctica	Antarctica	Antarctica	13120000.00	NULL	0	NULL	0.00
NULL	Antarctica		Co-administrated		NULL	AQ		
ATF	French Southern territories	Antarctica	Antarctica	7780.00	NULL	0	NULL	0.00
NULL	Terres australes franaises		Nonmetropolitan Territory of France	Jacques Chirac	NULL	TF		
ATG	Antigua and Barbuda	North America	Caribbean	442.00	1981	68000	70.5	612.00
584.00	Antigua and Barbuda		Constitutional Monarchy	Elisabeth II	63	AG		
AUS	Australia	Oceania	Australia and New Zealand	7741220.00	1901	18896000	79.8	351182.00
392911.00	Australia		Constitutional Monarchy, Federation	Elisabeth II	135	AU		
AUT	Austria	Europe	Western Europe	83859.00	1918	8091800	77.7	211860.00
206025.00	Asterreich		Federal Republic	Thomas Klestil	1523	AT		
AZE	Azerbaijan	Asia	Middle East	86600.00	1991	7734000	62.9	4127.00
4100.00	Azərbaycan		Federal Republic	Heydar Aliyev	144	AZ		
BDI	Burundi	Africa	Eastern Africa	27834.00	1962	6695000	46.2	903.00
982.00	Burundi/Uburundi		Republic	Pierre Buyoya	552	BI		
BEL	Belgium	Europe	Western Europe	30518.00	1830	10239000	77.8	249704.00

## Conclusión

La instalación de las bases de datos en el debían se realizan de manera muy similar al MySQL local de nuestro equipo, sin embargo, se pueden presentar algunos problemas debido a la diferencia de versiones no obstante se logró realizar la actividad de manera satisfactoria pudiendo crear las bases de datos, crear sus tablas y realizar todos los inserts de los registros a las bases de datos para posteriormente utilizarlas para pruebas y ejercicios.