



Instituto Tecnológico Superior de Jerez

Jerez de García Salinas, Zacatecas.

Fecha: 04/03/2020

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Ing. Sistemas Computacionales

Materia: Administración de Bases de Datos

Semestre: 8°

Actividad: Mapa Conceptual

Docente: I.S.C. Salvador Acevedo Sandoval

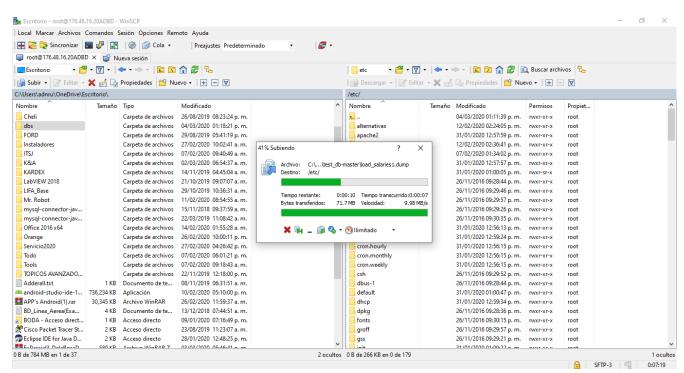




En esta actividad instalaremos las bases de datos que nos ofrece el propio MySQL dentro de su documentación. Dichas bases de datos deberán ser instaladas en nuestro servidor debían, en el cual tenemos la versión 5.5 de MySQL todo esto con la ayuda de la documentación de la <u>página oficial</u>.

Ya que tenemos las bases de datos descargadas, se creo una carpeta con nombre de "dbs" en donde estarían almacenadas las bases de datos a instalar.

Esta carpeta la pasamos a nuestro servidor debian dentro de la carpeta "etc" de nuestro propio servidor. En mi caso utilice la herramienta de Win SCP el cual nos ayuda a interactuar fácilmente con nuestras carpetas del servidor.





root@localhost:[world]>

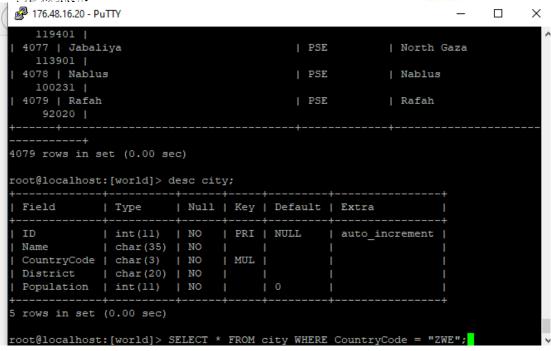


World

```
176.48.16.20 - PuTTY
                                                                            X
root@oscar:~# mysql -u root -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 38
Server version: 5.5.62-0+deb8ul (Debian)
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affiliates. Other names may be trademarks of their respective
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
root@localhost:[(none)]> SOURCE /etc/dbs/world.sql/world.sql;
176.48.16.20 - PuTTY
                                                                             root@oscar:~# mysql -u root -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 39
Server version: 5.5.62-0+deb8ul (Debian)
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affiliates. Other names may be trademarks of their respective
Type 'help;' or 'h' for help. Type 'c' to clear the current input statement.
root@localhost:[(none)]> 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
```



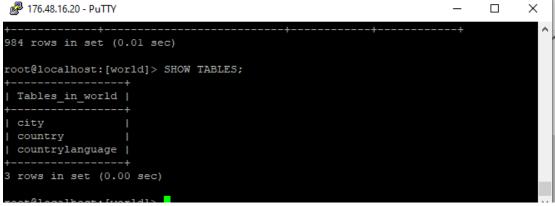




₱ 176.48.16.20 - PuTTY				_	×
Field Type	Null Key	y Default	Extra	I	^
ID int(11) Name char(3) CountryCode char(3) District char(2) Population int(11)	5) NO) NO MUI)) NO		auto_increment	+	
rows in set (0.00 sec		1 city WHERE (CountryCode = "2	WE";	
ID Name	CountryCode	District	Population		
4068 Harare 4069 Bulawayo 4070 Chitungwiza 4071 Mount Darwin 4072 Mutare 4073 Gweru	ZWE ZWE 	Harare Bulawayo Harare Harare Manicaland Midlands	++ 1410000 621742 274912 164362 131367 128037 +		
oot@localhost:[world]	>				V







orld]> select * from	IsOff1 T F F F T T F F F F F F F F	age;+	5.3 9.5 76.7 7.4 0.9 32.1 52.4 1.9 8.8 2.4 4.2		
anguage nglish apiamento panish alochi ari ashto urkmenian zbek mbo hokwe ongo uchazi uumbe-nganguela	Isoffi	cial Percer	5.3 9.5 76.7 7.4 0.9 32.1 52.4 1.9 8.8 2.4 4.2		
nglish apiamento ppanish alochi ari ashto urkmenian zbek mbo hokwe onchazi uimbe-nganguela	F		9.5 76.7 7.4 0.9 32.1 52.4 1.9 8.8 2.4 4.2		
apiamento panish alochi ari ashto urkmenian zbek mbo hokwe ongo uchazi uimbe-nganguela	. F F F T F F F F		76.7 7.4 0.9 32.1 52.4 1.9 8.8 2.4 4.2		
panish alochi ari ashto urkmenian zbek mbo hokwe ongo uchazi uimbe-nganguela	F T T F F F F		7.4 0.9 32.1 52.4 1.9 8.8 2.4 4.2		
alochi ari ashto zbek mbo nokwe ongo uchazi uimbe-nganguela	. F T F F F F F		0.9 32.1 52.4 1.9 8.8 2.4 4.2		
ari ashto urkmenian zbek mbo hokwe ongo uchazi uimbe-nganguela	T T F F F F F		32.1 52.4 1.9 8.8 2.4 4.2		
ashto urkmenian zbek mbo hokwe ongo uchazi uimbe-nganguela	T F F F F F		52.4 1.9 8.8 2.4 4.2		
urkmenian zbek mbo ongo uchazi uimbe-nganguela	F F F F F		1.9 8.8 2.4 4.2		
zbek mbo nokwe ongo uchazi uimbe-nganguela	F F F F F		8.8 2.4 4.2		
mbo hokwe ongo uchazi uimbe-nganguela	- F - F - F - F - F - F - F - F - F - F		2.4 4.2		
hokwe ongo uchazi uimbe-nganguela	- H - H - H - H		4.2		
ongo uchazi uimbe-nganguela	F F F				
uchazi uimbe-nganguela	, F F				
uimbe-nganguela	F		13.2		
			2.4		
uvale			5.4		
	F		3.6		
bundu	F		21.6		
yaneka-nkhumbi	F		5.4		
vimbundu	F		37.2		
nglish	T		0.0		
lbaniana	T		97.9		
reek	F		1.8		
acedonian	F		0.1		
atalan	T		32.3		
rench	F		6.2		
ortuguese	F		10.8		
panish	F		44.6		
amoan					
	untish untish apiamento rabic indi ndian Languages talian panish mmenian zerbaijani nglish amoan	T T T T T T T T T T	T	T	T

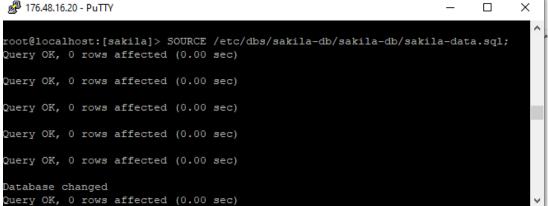


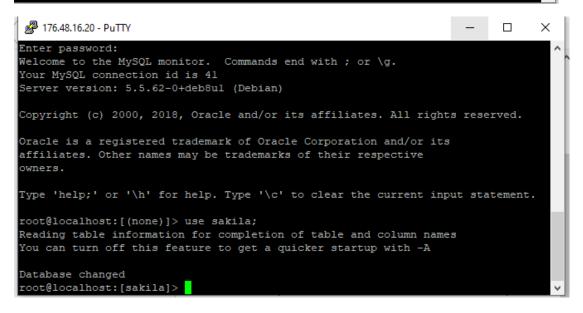


```
176.48.16.20 - PuTTY
                                                                             ×
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 40
Server version: 5.5.62-0+deb8ul (Debian)
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owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
root@localhost:[(none)]> SOURCE /etc/dbs/sakila-db/sakila-db/sakila-schema.sql;
Query OK, 0 rows affected (0.00 sec)
Query OK, 0 rows affected, 1 warning (0.00 sec)
Query OK, 1 row affected (0.03 sec)
Database changed
Query OK, 0 rows affected (0.24 sec)
Query OK, 0 rows affected (0.06 sec)
Query OK, 0 rows affected (0.05 sec)
Query OK, 0 rows affected (0.10 sec)
Query OK, 0 rows affected (0.08 sec)
Query OK, 0 rows affected (0.06 sec)
Query OK, 0 rows affected (0.10 sec)
Query OK, 0 rows affected (0.06 sec)
```













176.48.16.20 - PuTTY Х Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective Type 'help;' or '\h' for help. Type '\c' to clear the current input statement. root@localhost:[(none)]> 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]>





₱ 176.48.16.20 - PuTTY			_	×
	+			
23 rows in set (0.00 sec)				
coot@localhost:[sakila]> S	SELECT * FROM ac	ctor;		
	+	++		
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		
27 JULIA	MCQUEEN	2006-02-15 04:34:33		
28 WOODY	HOFFMAN	2006-02-15 04:34:33		
29 ALEC	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		
34 AUDREY	OLIVIER	2006-02-15 04:34:33		
35 JUDY	DEAN	2006-02-15 04:34:33		
36 BURT	DUKAKIS	2006-02-15 04:34:33		



rows in set (0.00 sec)

root@localhost:[world x]>



```
176.48.16.20 - PuTTY
                                                                            ×
root@oscar:/etc/dbs# mysql -u root -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 43
Server version: 5.5.62-0+deb8ul (Debian)
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affiliates. Other names may be trademarks of their respective
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
root@localhost:[(none)]> SOURCE /etc/dbs/world_x-db/world_x-db/world_x.sql;
176.48.16.20 - PuTTY
                                                                           ×
root@localhost:[world x]> show tables;
 Tables_in_world_x |
 country
 countrylanguage
```





```
root@localhost:[world x]> SELECT * FROM country;
 Code | Name
                                                       | Capital | Code2
      | Aruba
                                                             129 | AW
 ABW
 AFG
      | Afghanistan
                                                               1 | AF
       | Angola
                                                              56 |
                                                                   ΑO
       | Anguilla
                                                              62
                                                                   AI
       | Albania
                                                              34 |
                                                                   AL
 AND
       Andorra
                                                                   AD
       | Netherlands Antilles
                                                                   AN
       | United Arab Emirates
                                                                   ΑE
       | Argentina
                                                              69 I
                                                                   AR
      | Armenia
 ARM
                                                             126 | AM
 ASM
      | American Samoa
                                                              54 | AS
 ATA
      | Antarctica
                                                            NULL | AQ
```

EMPLOYE

```
# 176.48.16.20 - PuTTY
                                                                              \times
root@oscar:/etc/dbs# mysql -u root -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \gray{g}.
Your MySQL connection id is 44
Server version: 5.5.62-0+deb8ul (Debian)
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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)]> exit
Bve
root@oscar:/etc/dbs# ls
menagerie-db sakila-db test db-master world.sql world x-db
root@oscar:/etc/dbs# cd /test_db-master
-bash: cd: /test_db-master: No such file or directory
root@oscar:/etc/dbs# cd /etc/dbs/test db-master/test db-master
root@oscar:/etc/dbs/test_db-master/test_db-master# ls
                               load dept emp.dump
Changelog
                                                        objects.sql
README.md
                               load_dept_manager.dump sakila
employees.sql load_employees.dump
employees_partitioned.sql load_salariesl.dump
employees.sql
                                                        show_elapsed.sql
                                                         sql test.sh
employees_partitioned_5.1.sql load_salaries2.dump
                                                        test employees md5.sql
                               load salaries3.dump
                                                        test employees sha.sql
                               load_titles.dump
load_departments.dump
root@oscar:/etc/dbs/test db-master/test db-master#
```





load_departments.dump load_titles.dump
root@oscar:/etc/dbs/test_db-master/test_db-master# mysql -u root -p -t <employees.s< td=""></employees.s<>
ql – –
Enter password:
++
INFO
++
CREATING DATABASE STRUCTURE
+
+
INFO
<u> </u>
storage engine: InnoDB
·
+
INFO
1
LOADING departments
1 2012-10 deput of 1
·
INFO
1 2110
LOADING employees
DOIDTING CINDINGCES
++
INFO
1 110
LOADING dept emp
Dobbing dept_emp
·
INFO
1
LOADING dept manager
LOADING dept_manager
*
INFO
Tare 1
LOADING titles
LOADING CICLES
INFO
TRIO
LIOADING enlaring
LOADING salaries
+





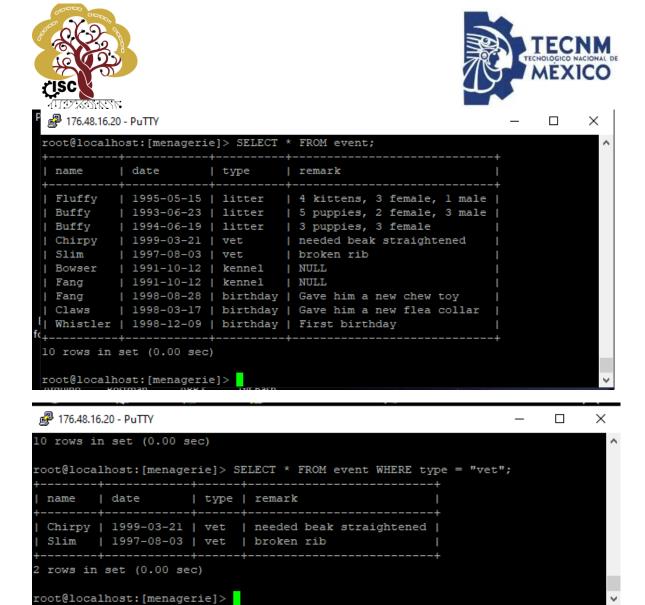
```
Welcome to the MySQL monitor. Commands end with ; or \gray{g}.
Your MySQL connection id is 46
Server version: 5.5.62-0+deb8ul (Debian)
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owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
root@localhost:[(none)]> use employees;
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]> show tables;
| Tables_in_employees |
 current_dept_emp
 departments
 dept_emp
 dept_emp_latest_date |
 dept_manager
  employees
 salaries
root@localhost:[employees]>
```

₱ 176.48.16.20 - PuTTY		- □ ×
root@localhost:[employees]> S	ELECT * FROM titles WHERE from_d	late = "1999-12-21"; ^
emp_no title	from_date	
+	-++	
12310 Senior Engineer	1999-12-21 9999-01-01	
12811 Technique Leader	1999-12-21 9999-01-01	
13519 Senior Staff	1999-12-21 9999-01-01	
18828 Senior Engineer	1999-12-21 9999-01-01	
20717 Engineer	1999-12-21 9999-01-01	
20912 Senior Staff	1999-12-21 9999-01-01	
30161 Senior Engineer	1999-12-21 2000-05-18	
33540 Engineer	1999-12-21 9999-01-01	
35266 Senior Staff	1999-12-21 9999-01-01	
37939 Staff	1999-12-21 9999-01-01	
39550 Staff	1999-12-21 9999-01-01	
45075 Senior Staff	1999-12-21 9999-01-01	
46941 Senior Engineer	1999-12-21 9999-01-01	
49871 Senior Staff	1999-12-21 9999-01-01	
56190 Staff	1999-12-21 9999-01-01	
57459 Senior Staff	1999-12-21 9999-01-01	
57463 Senior Staff	1999-12-21 9999-01-01	
60471 Engineer	1999-12-21 9999-01-01	
77056 Staff	1999-12-21 9999-01-01	
77176 Engineer	1999-12-21 2000-03-13	
77439 Senior Staff	1999-12-21 9999-01-01	
77826 Staff	1999-12-21 9999-01-01	
78981 Engineer	1999-12-21 9999-01-01	
81260 Senior Staff	1999-12-21 9999-01-01	
83217 Senior Engineer	1999-12-21 9999-01-01	
84519 Senior Engineer	1999-12-21 9999-01-01	
85439 Senior Engineer	1999-12-21 9999-01-01	
87750 Staff	1999-12-21 9999-01-01	
92474 Senior Engineer	1999-12-21 9999-01-01	~





```
176.48.16.20 - PuTTY
                                                                          Х
 oot@oscar:/etc/dbs/menagerie-db/menagerie-db# mysql -u root -p --local-infile=1
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \gray{g}.
Your MySQL connection id is 54
Server version: 5.5.62-0+deb8ul (Debian)
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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)]> 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 (0.03 sec)
 root@localhost:[menagerie]> SOURCE cr event tbl.sql;
Query OK, 0 rows affected, 1 warning (0.00 sec)
Query OK, 0 rows affected (0.06 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]>
176.48.16.20 - PuTTY
                                                                           root@localhost:[menagerie]> SHOW TABLES;
 Tables_in_menagerie |
 event
 pet
 rows in set (0.00 sec)
oot@localhost:[menagerie]>
```



Al realizar la instalación de esta base de datos surgió un error el cual se solucionó estableciendo el valor de una variable global. Como lo indica en este <u>articulo</u> solo establecimos los valores en 1 e iniciamos nuestro MySQL estableciendo la misma variable en 1.