



# INSTITUTO TECNOLÓGICO SUPERIOR DE JEREZ

Jerez de García Salinas

18 de Octubre del 2019

## “Ingeniería en Sistemas Computacionales”

Materia: Taller de Base de Datos

Quinto Semestre

Actividad 2: “Usuarios, Privilegios y Roles”



TECNOLÓGICO  
NACIONAL DE MÉXICO

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**ZACATECAS**  
2016-2021  
*Trabajemos Unidos*



MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

bd\_dreamho  
bd\_empresa  
bd\_prueba\_c  
empresa2  
empresa\_bd  
Tables  
depa  
C  
Fr  
Ti  
dept  
dept  
amnt.

Administration

Information

Table: departamentos

Columns: Dept\_No, Dept\_Name

Query 1 SQL File 3\* SQL File 4\*

Limit to 1000 rows

1  
2 CREATE USER 'rmedrano'@'localhost' IDENTIFIED BY 'rmedrano';  
3 SHOW databases;  
4 use mysql;  
5 SHOW tables;  
6 desc user;

Result Grid

Host	User	Select_priv	Insert_priv	Update_priv	Delete_priv	Create_priv	Drop_priv	Reload_priv	Shutdown_priv	Prv
localhost	mysql.session	N	N	N	N	N	N	N	Y	N
localhost	mysql.sys	N	N	N	N	N	N	N	N	N
localhost	r2d2	N	N	N	N	N	N	N	N	N
localhost	rmedrano	N	N	N	N	N	N	N	N	N
localhost	root	Y	Y	Y	Y	Y	Y	Y	Y	Y

Output

Action Output

#	Time	Action	Message	Duration / Fetch
10	20:32:00	SELECT * FROM user LIMIT 0, 1000	9 row(s) returned	0.016 sec / 0.000 sec
11	20:53:34	SELECT * FROM empresa_bd.departamentos LIMIT 0, 1000	0 row(s) returned	0.016 sec / 0.000 sec
12	20:55:30	SHOW databases	13 row(s) returned	0.000 sec / 0.000 sec
13	20:55:36	desc user	51 row(s) returned	0.016 sec / 0.000 sec
14	20:55:44	SELECT * FROM user LIMIT 0, 1000	9 row(s) returned	0.016 sec / 0.000 sec

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Context Help Snippets

08:56 p. m. 17/10/2019

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

bd\_dreamhome  
bd\_empresa  
bd\_prueba\_coned  
empresa2  
empresa\_bd  
Tables  
departame  
empleado  
localizador  
proyecto  
subordinad  
trabaja\_en  
Views  
Stored Procedu  
Administration

Information

Table: departamentos

Columns: Dept\_No, Dept\_Name

Query 1 SQL File 3\* SQL File 4\*

Limit to 1000 rows

5 SHOW tables;  
6 desc user;  
7 SELECT \* FROM user;  
8 GRANT CREATE, SELECT ON Empresa2.\* TO 'rmedrano'@'localhost';  
9 SELECT \* FROM user;  
10 FLUSH PRIVILEGES;  
11  
12 #----- Usuario 2  
13 CREATE USER 'jp231'@'localhost' IDENTIFIED BY '1kanWOP987';  
14 SELECT \* FROM user;  
15 GRANT SELECT, INSERT, DELETE, UPDATE ON Empresa2.empleado TO 'jp231'@'localhost';  
16 GRANT SELECT, INSERT, DELETE, UPDATE ON Empresa2.proyecto TO 'jp231'@'localhost';  
17 GRANT SELECT, INSERT, DELETE, UPDATE ON Empresa2.departamento TO 'jp231'@'localhost';  
18 SELECT \* FROM user;  
19 FLUSH PRIVILEGES;

Output

Action Output

#	Time	Action	Message	Duration / Fetch
23	21:39:24	SELECT * FROM user LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
24	21:39:52	GRANT SELECT, INSERT, DELETE, UPDATE ON Empresa2.empleado TO 'jp231'@'local...	0 row(s) affected	0.015 sec
25	21:39:58	GRANT SELECT, INSERT, DELETE, UPDATE ON Empresa2.proyecto TO 'jp231'@'localh...	0 row(s) affected	0.016 sec
26	21:40:05	GRANT SELECT, INSERT, DELETE, UPDATE ON Empresa2.departamento TO 'jp231'@'l...	0 row(s) affected	0.015 sec
27	21:40:11	FLUSH PRIVILEGES	0 row(s) affected	0.016 sec

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Context Help Snippets

09:40 p. m. 17/10/2019

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator SCHEMAS Filter objects

bd\_dreamhome  
bd\_empresa  
bd\_prueba\_coned  
empresa2  
Tables  
departame  
empleado  
localizador  
proyecto  
subordinad  
trabaja\_en  
Views  
Stored Procedu  
Administration

Query 1 SQL File 3 SQL File 4

Limit to 1000 rows

Usuario 2

```

12 #--
13 CREATE USER 'jp231'@'localhost' IDENTIFIED BY 'lkenWPOp987';
14 SELECT * FROM user;
15 GRANT SELECT, INSERT, DELETE, UPDATE ON Empresa2.empleado TO 'jp231'@'localhost';
16 GRANT SELECT, INSERT, DELETE, UPDATE ON Empresa2.proyecto TO 'jp231'@'localhost';
17 GRANT SELECT, INSERT, DELETE, UPDATE ON Empresa2.departamento TO 'jp231'@'localhost';
18 SELECT * FROM user;

```

Result Grid

Host	User	Select_priv	Insert_priv	Update_priv	Delete_priv	Create_priv	Drop_priv	Reload_priv	Shutdown_priv	Privs
192.168.4.57	Abraham	Y	Y	Y	Y	Y	Y	Y	Y	Y
localhost	c3po	N	N	N	N	N	N	N	N	N
localhost	jp231	N	N	N	N	N	N	N	N	N
localhost	luke	N	N	N	N	N	N	N	N	N
localhost	mysql.infoschema	Y	N	N	N	N	N	N	N	N

Table: departamentos

Columns: Dept\_No, Dept\_Name

Output

Action Output

#	Time	Action	Message	Duration / Fetch
19	21:00:10	SELECT host, user, select_priv, delete_priv, insert_priv, update_priv FROM user WHERE u...	1 row(s) returned	0.000 sec / 0.000 sec
20	21:01:25	FLUSH PRIVILEGES	0 row(s) affected	0.016 sec
21	21:01:30	SELECT * FROM user LIMIT 0, 1000	9 row(s) returned	0.015 sec / 0.000 sec
22	21:39:17	CREATE USER 'jp231'@'localhost' IDENTIFIED BY 'lkenWPOp987'	0 row(s) affected	0.047 sec
23	21:39:24	SELECT * FROM user LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Object Info

Escribe aquí para buscar

09:39 p. m.  
17/10/2019

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator SCHEMAS Filter objects

bd\_dreamhome  
bd\_empresa  
bd\_prueba\_coned  
empresa2  
Tables  
departame  
empleado  
localizador  
proyecto  
subordinad  
trabaja\_en  
Views  
Stored Procedu  
Administration

Query 1 SQL File 3 SQL File 4

Limit to 1000 rows

Usuario 3

```

21 #--
22 CREATE USER 'cajero'@'localhost' IDENTIFIED BY 'Juan_cajero1';
23 SELECT * FROM user;
24 GRANT CREATE, DROP ON Empresa2.empleado TO 'cajero'@'localhost';
25 SELECT * FROM user;
26 FLUSH PRIVILEGES;

```

Result Grid

Host	User	Select_priv	Insert_priv	Update_priv	Delete_priv	Create_priv	Drop_priv	Reload_priv	Shutdown_priv	Privs
192.168.4.57	Abraham	Y	Y	Y	Y	Y	Y	Y	Y	Y
localhost	c3po	N	N	N	N	N	N	N	N	N
localhost	cajero	N	N	N	N	N	N	N	N	N
localhost	jp231	N	N	N	N	N	N	N	N	N
localhost	luke	N	N	N	N	N	N	N	N	N

Table: departamentos

Columns: Dept\_No, Dept\_Name

Output

Action Output

#	Time	Action	Message	Duration / Fetch
25	21:39:58	GRANT SELECT, INSERT, DELETE, UPDATE ON Empresa2.proyecto TO 'jp231'@'localh...	0 row(s) affected	0.016 sec
26	21:40:05	GRANT SELECT, INSERT, DELETE, UPDATE ON Empresa2.departamento TO 'jp231'@1...	0 row(s) affected	0.015 sec
27	21:40:11	FLUSH PRIVILEGES	0 row(s) affected	0.016 sec
28	21:46:30	CREATE USER 'cajero'@'localhost' IDENTIFIED BY 'Juan_cajero1'	0 row(s) affected	0.047 sec
29	21:46:38	SELECT * FROM user LIMIT 0, 1000	11 row(s) returned	0.016 sec / 0.000 sec

Object Info

Escribe aquí para buscar

09:47 p. m.  
17/10/2019

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

bd\_dreamhome  
bd\_empresa  
bd\_prueba\_conex  
empresa2  
Tables  
departame  
empleado  
localizador  
proyecto  
subordinad  
trabaja\_en  
Views  
Stored Procedu  
Functions  
Administration  
Information

Table: departamentos

Columns:  
Dept\_No  
Dept\_Name

Query 1 SQL File 3 SQL File 4

Limit to 1000 rows

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

```
12 #----- Usuario 2
13 CREATE USER 'jp231'@'localhost' IDENTIFIED BY 'lkmnMPOP987';
14 SELECT * FROM user;
15 GRANT SELECT, INSERT, DELETE, UPDATE ON Empresa2.empleado TO 'jp231'@'localhost';
16 GRANT SELECT, INSERT, DELETE, UPDATE ON Empresa2.proyecto TO 'jp231'@'localhost';
17 GRANT SELECT, INSERT, DELETE, UPDATE ON Empresa2.departamento TO 'jp231'@'localhost';
18 SELECT * FROM user;
19 FLUSH PRIVILEGES;
20
21 #----- Usuario 3
22 CREATE USER 'cajero'@'localhost' IDENTIFIED BY 'juan_cajero1';
23 SELECT * FROM user;
24 GRANT CREATE, DROP ON Empresa2.* TO 'cajero'@'localhost';
25 SELECT * FROM user;
26 FLUSH PRIVILEGES;
```

Output

#	Time	Action	Message	Duration / Fetch
27	21:40:11	FLUSH PRIVILEGES	0 row(s) affected	0.016 sec
28	21:46:30	CREATE USER 'cajero'@'localhost' IDENTIFIED BY 'juan_cajero1'	0 row(s) affected	0.047 sec
29	21:46:38	SELECT * FROM user LIMIT 0, 1000	11 row(s) returned	0.016 sec / 0.000 sec
30	21:47:35	GRANT CREATE, DROP ON Empresa2.empleado TO 'cajero'@'localhost'	0 row(s) affected	0.032 sec
31	21:48:19	GRANT CREATE, DROP ON Empresa2.* TO 'cajero'@'localhost'	0 row(s) affected	0.016 sec

Object Info

Escribe aquí para buscar

09:48 p. m.  
17/10/2019

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

bd\_dreamhome  
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bd\_prueba\_conex  
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departame  
empleado  
localizador  
proyecto  
subordinad  
trabaja\_en  
Views  
Stored Procedu  
Functions  
Administration  
Information

Table: departamentos

Columns:  
Dept\_No  
Dept\_Name

Query 1 SQL File 3 SQL File 4

Limit to 1000 rows

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

```
12 #----- Usuario 2
13 CREATE USER 'jp231'@'localhost' IDENTIFIED BY 'lkmnMPOP987';
14 SELECT * FROM user;
15 GRANT SELECT, INSERT, DELETE, UPDATE ON Empresa2.empleado TO 'jp231'@'localhost';
16 GRANT SELECT, INSERT, DELETE, UPDATE ON Empresa2.proyecto TO 'jp231'@'localhost';
17 GRANT SELECT, INSERT, DELETE, UPDATE ON Empresa2.departamento TO 'jp231'@'localhost';
18 SELECT * FROM user;
19 FLUSH PRIVILEGES;
20
21 #----- Usuario 3
22 CREATE USER 'cajero'@'localhost' IDENTIFIED BY 'juan_cajero1';
23 SELECT * FROM user;
24 GRANT CREATE, DROP ON Empresa2.* TO 'cajero'@'localhost';
25 SELECT * FROM user;
26 FLUSH PRIVILEGES;
```

Output

#	Time	Action	Message	Duration / Fetch
28	21:46:30	CREATE USER 'cajero'@'localhost' IDENTIFIED BY 'juan_cajero1'	0 row(s) affected	0.047 sec
29	21:46:38	SELECT * FROM user LIMIT 0, 1000	11 row(s) returned	0.016 sec / 0.000 sec
30	21:47:35	GRANT CREATE, DROP ON Empresa2.empleado TO 'cajero'@'localhost'	0 row(s) affected	0.032 sec
31	21:48:19	GRANT CREATE, DROP ON Empresa2.* TO 'cajero'@'localhost'	0 row(s) affected	0.016 sec
32	21:49:07	FLUSH PRIVILEGES	0 row(s) affected	0.015 sec

Object Info

Escribe aquí para buscar

09:49 p. m.  
17/10/2019



MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

bd\_dreamhome  
bd\_empresa  
bd\_prueba\_conex  
empresa2  
Tables  
departame  
empleado  
localizaci  
proyecto  
subordinad  
trabaja\_en  
Views  
Stored Procedu  
Functions  
Administration  
Information

Query 1 SQL File 3 SQL File 4

Limit to 1000 rows

```
18 SELECT * FROM user;  
19 FLUSH PRIVILEGES;  
20  
21 #----- Usuario 3  
22 CREATE USER 'cajero'@'localhost' IDENTIFIED BY 'juan_cajero1';  
23 SELECT * FROM user;  
24 GRANT CREATE, DROP ON Empresa2.* TO 'cajero'@'localhost';  
25 SELECT * FROM user;  
26 FLUSH PRIVILEGES;  
27 SHOW GRANTS FOR 'cajero'@'localhost';  
28 #----- Cambios Usuario 2  
29 REVOKE SELECT ON Empresa2.empleado FROM 'jp231'@'localhost';  
30 REVOKE SELECT ON Empresa2.proyecto FROM 'jp231'@'localhost';  
31 REVOKE SELECT ON Empresa2.departamento FROM 'jp231'@'localhost';  
32
```

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Context Help Snippets

Table: departamentos

Columns: Dept\_No, Dept\_Name

Output

#	Time	Action	Message	Duration / Fetch
32	21:49:07	FLUSH PRIVILEGES	0 row(s) affected	0.015 sec
33	22:16:19	SHOW GRANTS FOR 'cajero'@'localhost'	3 row(s) returned	0.000 sec / 0.000 sec
34	22:25:53	REVOKE SELECT ON Empresa2.empleado FROM 'jp231'@'localhost'	0 row(s) affected	0.031 sec
35	22:26:07	REVOKE SELECT ON Empresa2.proyecto FROM 'jp231'@'localhost'	0 row(s) affected	0.016 sec
36	22:26:13	REVOKE SELECT ON Empresa2.departamento FROM 'jp231'@'localhost'	0 row(s) affected	0.016 sec

Object Info

Escribe aquí para buscar

10:26 p. m.  
17/10/2019