

# PERMISOS Y CANDADOS MYSQL

**SERGIO ÁLVAREZ**

**VERSIÓN 1.0**

# PERMISOS

# CREAR USUARIO

PowerTools transactions window help

0\_1

User Manager

User ejemplo@%

Delete User Add New User Help

ejemplo@%

- Global Privileges
- Object Level Privileges
  - information\_schema
  - bd\_inventario2020\_1
  - ejemplo\_dane
  - ejemplo\_out
  - horometros
  - metro
  - mysql
  - performance\_schema
  - reservas\_cdc\_examen
  - reservas\_cdc\_examen
  - sys

Edit the user name, password and various limitations of this user

Username ejemplo Host %

Password Password Retype Password

Plugin mysql\_native\_password

Maximum number of queries per hour 0

Maximum number of updates per hour 0

Maximum number of connections per hour 0

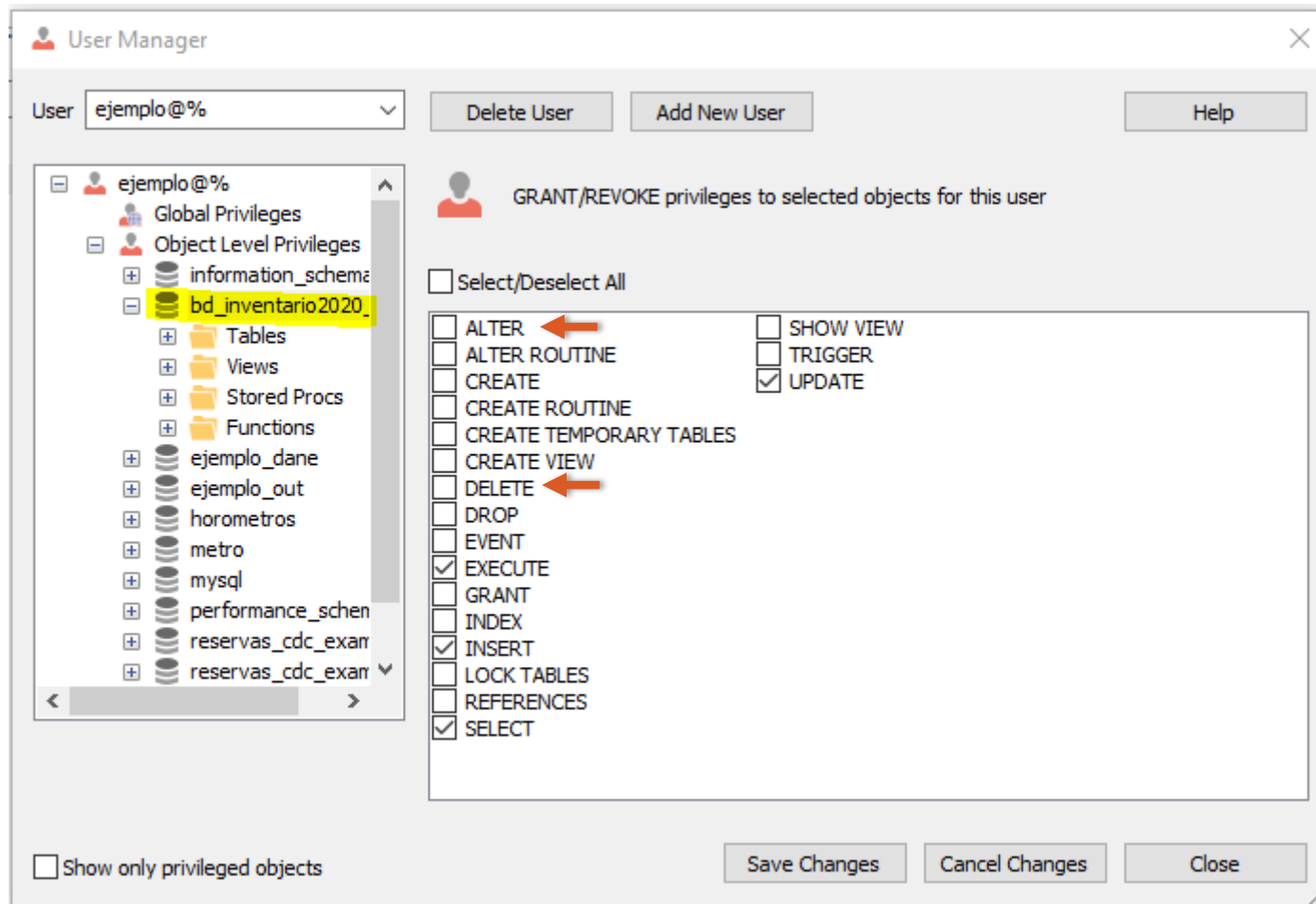
Maximum number of user connections 0

(Note - 0 means no limitations)

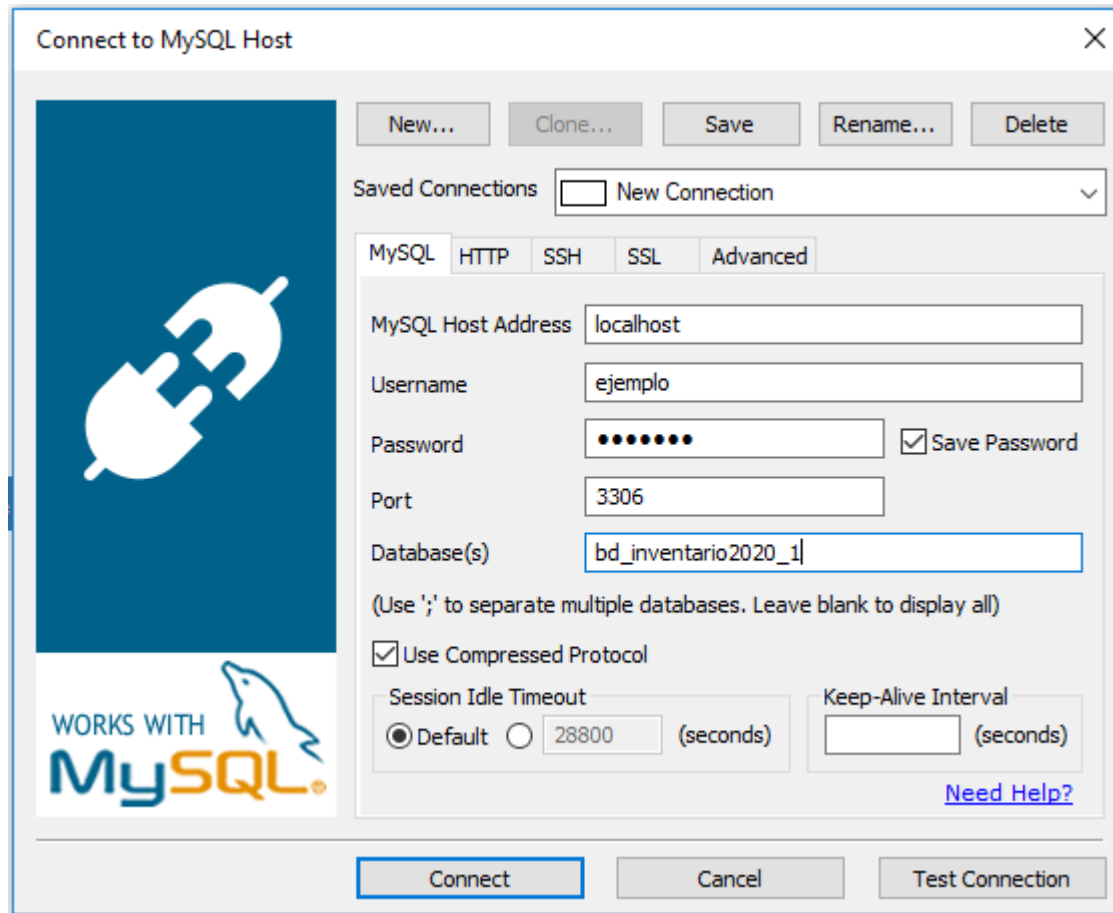
☐ Show only privileged objects

Save Changes Cancel Changes Close

# PERMISOS X BASE DE DATOS



# OTRA INSTANCIA SQLYOG Y NUEVA CONEXIÓN



Connect to MySQL Host

New... Clone... Save Rename... Delete

Saved Connections ☐ New Connection

MySQL HTTP SSH SSL Advanced

MySQL Host Address localhost

Username ejemplo

Password ..... ☒ Save Password

Port 3306

Database(s) bd\_inventario2020\_1

(Use ';' to separate multiple databases. Leave blank to display all)

☒ Use Compressed Protocol

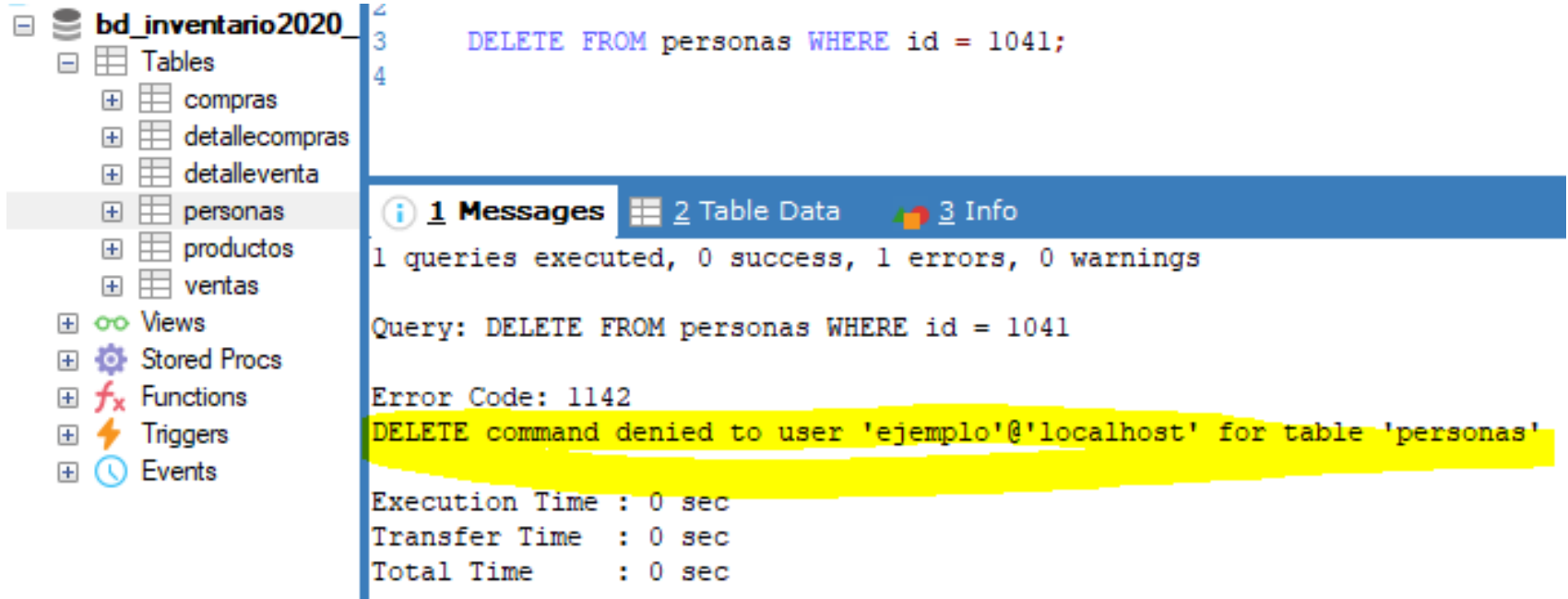
Session Idle Timeout ☒ Default ☐ 28800 (seconds)

Keep-Alive Interval  (seconds)

[Need Help?](#)

Connect Cancel Test Connection

# SIN PERMISO PARA BORRAR



The screenshot shows a database management interface with a sidebar on the left and a main query editor on the right. The sidebar lists the database 'bd\_inventario2020' and its contents: Tables (compras, detallecompras, detalleventa, personas, productos, ventas), Views, Stored Procs, Functions, Triggers, and Events. The 'personas' table is selected. The main editor shows a SQL query: `DELETE FROM personas WHERE id = 1041;`. Below the query, a status bar indicates '1 Messages', '2 Table Data', and '3 Info'. The 'Messages' tab is active, showing the following output:

```
1 queries executed, 0 success, 1 errors, 0 warnings

Query: DELETE FROM personas WHERE id = 1041

Error Code: 1142
DELETE command denied to user 'ejemplo'@'localhost' for table 'personas'

Execution Time : 0 sec
Transfer Time  : 0 sec
Total Time     : 0 sec
```

The error message is highlighted in yellow.

# PERMISOS MODIFICAR

Filter tables in bd\_inventario2020\_1

Filter (Ctrl+Shift+B)

ejemplo@localhost

bd\_inventario2020\_1

- Tables
  - compras
    - Columns
      - nmcompra, int(11)
      - persona\_id, int(11)
      - fecompra, date
    - Indexes
  - detallecompras
  - detalleventa
  - personas
  - productos
  - ventas
- Views
- Stored Procs
- Functions
- Triggers
- Events

Scheduled Backups presents a wizard driven interface to take backups : Reason #4

Query 1 History compras\* x +

Table Name: compras Engine: InnoDB

Database: bd\_inventario2020\_1 Character Set: utf8 Collation: utf8\_general\_ci

1 Columns 2 Indexes 3 Foreign Keys 4 Check Constraint 5

Column Name	Data Type	Length	Default	PK?	Not Null?	Unsigned
nmcompra	int	11		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
persona_id	int	11		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
fecompra	date			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	bool			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

MySQL Error

MySQL Error

Executed SQL statement

```
ALTER TABLE bd_inventario2020_1.compras  
ADD COLUMN d BOOL NULL AFTER fecompra
```

Error number: 1142

Error message

```
ALTER command denied to user 'ejemplo'@'localhost' for table 'compra
```

Save To Text File... OK

<http://www.webyog.com>

# **PRUEBA DE CONCURRENCIA**



# VALIDAR AUTOCOMMIT

SQLyog Community 64 - [Conexion\_Usuario\_Ejemplo - ejemplo@localhost\*]

Format current query : Reason #62 to upgrade

Query 1 x History +

```
1 SHOW VARIABLES LIKE '%commit%';
```

1 Result 2 Profiler 3 Messages 4 Table Data

Variable_name	Value
autocommit	OFF
binlog_group_commit_sync_delay	0
binlog_group_commit_sync_no_delay_count	0
binlog_order_commits	ON
innodb_api_bk_commit_interval	5
innodb_commit_concurrency	0
innodb_flush_log_at_trx_commit	1

SQLyog Community 64 - [LocalHost/bd\_inventario2020\_1 - root@localhost\*]

LocalHost x +

Filter tables in bd\_inventario2020\_1

Filter (Ctrl+Shift+B)

root@localhost

- bd\_inventario2020\_1
- ejemplo\_dane
- ejemplo\_out
- horometros
- information\_schema
- metro
- mysql
- performance\_schema
- reservas\_cdc\_examen\_a
- reservas\_cdc\_examen\_b
- sys

Import schema and data from any ODBC compliant data source

Query 1 x History + Query 2

```
1 SHOW VARIABLES LIKE '%commit%';
```

1 Result 2 Profiler 3 Messages 4 Table Data

Variable_name	Value
autocommit	OFF
binlog_group_commit_sync_delay	0

# SIN COMMIT – USUARIO EJEMPLO

SQLyog Community 64 - [Conexion\_Usuario\_Ejemplo/bd\_inventario2020\_1 - ejemplo@localhost\*]

File Edit Favorites Database Table Others Tools Powertools Transactions Window Help

bd\_inventario2020\_1

Conexion\_Usua... x +

Filter tables in bd\_invent...  
Filter (Ctrl+Shift+B)

ejemplo@localhost  
bd\_inventario2020\_1  
Tables  
compras  
detallecompras  
detalleventa  
personas  
productos  
ventas  
Views  
Stored Procs  
Functions  
Triggers  
Events

Print your database schema using Visual Schema Designer : Reason #9 to upgrade

Query 1 x History +

```
1 INSERT INTO personas
2 (id, nombre, direccion, telefono, snmoroso )
3 VALUES
4 ( 2021, 'Juan Ramirez','calle 50 nro 50-1','2323232','n');
```

1 Messages 2 Table Data 3 Info

1 queries executed, 1 success, 0 errors, 0 warnings

Query: INSERT INTO personas (id, nombre, direccion, telefono, snmoroso ) VALUES ( 2021,

1 row(s) affected

1 Messages 2 Table Data 3 Info

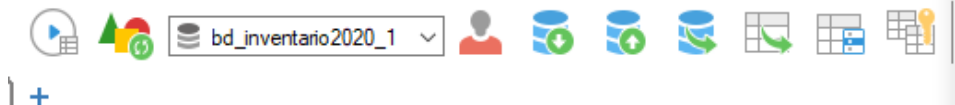
Limit rows First row 0 # of rows 1000

id	nombre	direccion	telefono	snmoroso
1035	Juan	Calle 75 B # 46 a 12	2117576	S
1036	felipe	Calle 75 B # 46 a 12	2117576	S
1037	alberto	Calle 75 B # 46 a 12	2117576	N
1038	Sebas	Calle 75 B # 46 a 12	2117576	N
1039	Santiago	Calle 75 B # 46 a 12	2117576	N
1040	Camilo	Calle 75 B # 46 a 12	2117576	N
1041	Herma	Calle 75 B # 46 a 12	2117576	N
2021	Juan Ramirez	calle 50 nro 50-1	2323232	n
*	(NULL)	(NULL)	(NULL)	N

# SIN COMMIT – USUARIO EJEMPLO

-- [Conexion\_Usuario\_Ejemplo/bd\_inventario2020\_1 - ejemplo@localhost\*]

Database Table Others Tools Powertools Transactions Window Help



No nag screens on startup and shutdown : Reason #1 to upgrade

```
Query 1 x History +
1 INSERT INTO personas
2 (id, nombre, direccion, telefono, snmoroso )
3 VALUES
4 ( 2021, 'Juan Ramirez','calle 50 nro 50-1','2323232','n');
```

1 Messages 2 Table Data 3 Info

id	nombre	direccion	telefono	snmoroso
1035	juan	Calle 75 B # 46 a 12	2117576	S
1036	felipe	Calle 75 B # 46 a 12	2117576	S
1037	alberto	Calle 75 B # 46 a 12	2117576	N
1038	Sebas	Calle 75 B # 46 a 12	2117576	N
1039	Santiago	Calle 75 B # 46 a 12	2117576	N
1040	Camilo	Calle 75 B # 46 a 12	2117576	N
1041	Herma	Calle 75 B # 46 a 12	2117576	N
2021	Juan Ramirez	calle 50 nro 50-1	2323232	n
*	(NULL)	(NULL)	(NULL)	N

SQLyog Community 64 - [LocalHost/bd\_inventario2020\_1 - root@localhost\*]

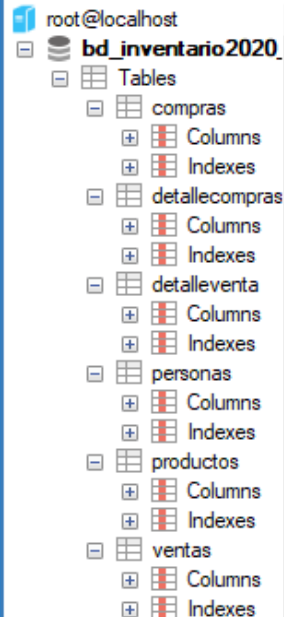
File Edit Favorites Database Table Others Tools Powertools Transactions



LocalHost x +

Filter events in bd\_inventari...

Filter (Ctrl+Shift+B)



Data Search - match any text pattern with regular expressions

```
Query 1 x History +
1 SELECT * FROM personas;
```

1 Result 2 Profiler 3 Messages

id	nombre	direccion
1035	juan	Calle 75 B # 46 a 12
1036	felipe	Calle 75 B # 46 a 12
1037	alberto	Calle 75 B # 46 a 12
1038	Sebas	Calle 75 B # 46 a 12
1039	Santiago	Calle 75 B # 46 a 12
1040	Camilo	Calle 75 B # 46 a 12
1041	Herma	Calle 75 B # 46 a 12

# COMMIT EN AMBOS

- [Conexion\_Usuario\_Ejemplo/bd\_inventario2020\_1 - ejemplo@localhost\*]

Database Table Others Tools Powertools Transactions Window Help



+

No nag screens on startup and shutdown : Reason #1 to upgrade

Query 1 x History +

1 COMMIT;

1 Messages 2 Table Data 3 Info

1 queries executed, 1 success, 0 errors, 0 warnings

Query: commit

0 row(s) affected

Execution Time : 0.001 sec

Transfer Time : 0 sec

Total Time : 0.001 sec

SQLyog Community 64 - [LocalHost/bd\_inventario2020\_1 - root@localhost\*]

File Edit Favorites Database Table Others Tools Powertools Transa



LocalHost x +

Filter events in bd\_inventari...

Filter (Ctrl+Shift+B)

root@localhost  
bd\_inventario2020\_1  
Tables  
compras  
Columns  
Indexes  
detallecompras  
Columns  
Indexes  
detalleventa  
Columns  
Indexes  
personas  
Columns  
Indexes  
productos

Query Profiler helps you identify problem SQ

Query 1 x History +

1 COMMIT;

1 Messages 2 Table Data 3 Info

1 queries executed, 1 success, 0 errors,

Query: commit

0 row(s) affected

Execution Time : 0 sec

Transfer Time : 0.001 sec

Total Time : 0.001 sec

# SE REFRESCAN LOS CAMBIOS EN ROOT

SQLyog Community 64 - [LocalHost/bd\_inventario2020\_1 - root@localhost\*]

File Edit Favorites Database Table Others Tools Powertools Transactions Window Help

bd\_inventario2020\_1

LocalHost

Filter events in bd\_inventari...  
Filter (Ctrl+Shift+B)

root@localhost  
bd\_inventario2020\_1  
Tables  
compras  
Columns  
Indexes  
detallecompras  
Columns  
Indexes  
detalleventa  
Columns  
Indexes  
personas  
Columns  
Indexes  
productos  
Columns  
Indexes  
ventas  
Columns  
Indexes

Visually create SQL statements without the need to remember column names : Reason #12

Query 1 x History +

```
1 SELECT * FROM personas;
```

1 Result 2 Profiler 3 Messages 4 Table Data 5 Info

(Read Only)

Limit rows First row 0

id	nombre	direccion	telefono	snmoroso
1035	juan	Calle 75 B # 46 a 12	2117576	S
1036	felipe	Calle 75 B # 46 a 12	2117576	S
1037	alberto	Calle 75 B # 46 a 12	2117576	N
1038	Sebas	Calle 75 B # 46 a 12	2117576	N
1039	Santiago	Calle 75 B # 46 a 12	2117576	N
1040	Camilo	Calle 75 B # 46 a 12	2117576	N
1041	Herma	Calle 75 B # 46 a 12	2117576	N
2021	Juan Ramirez	calle 50 nro 50-1	2323232	n

# SINTAXIS CORRECTA

```
START TRANSACTION;  
INSERT INTO personas  
    (id, nombre, direccion, telefono, snmoroso )  
VALUES  
    ( 2022, 'Diana Ochoa', 'calle 1 sur nro 10-1', '454545', 'N' );  
COMMIT ;
```

# CANDADOS

# FORMA MANUAL, SIN TRANSACCIONES

```
1  LOCK TABLES
2      tbl_name [[AS] alias] lock_type
3      [, tbl_name [[AS] alias] lock_type] ...
4
5  lock_type: {
6      READ [LOCAL]
7      | [LOW_PRIORITY] WRITE
8  }
9
10 UNLOCK TABLES
```

MySQL enables client sessions to acquire table locks explicitly for the purpose of cooperating with other sessions for access to tables, or to prevent other sessions from modifying tables during periods when a session requires exclusive access to them. A session can acquire or release locks only for itself. One session cannot acquire locks for another session or release locks held by another session.

Locks may be used to emulate transactions or to get more speed when updating tables. This is explained in more detail in [Table-Locking Restrictions and Conditions](#).



# LOCKING READS

- SELECT ... LOCK IN SHARE MODE

Sets a shared mode lock on any rows that are read. Other sessions can read the rows, but cannot modify them until your transaction commits. If any of these rows were changed by another transaction that has not yet committed, your query waits until that transaction ends and then uses the latest values.

- SELECT ... FOR UPDATE

For index records the search encounters, locks the rows and any associated index entries, the same as if you issued an `UPDATE` statement for those rows. Other transactions are blocked from updating those rows, from doing `SELECT ... LOCK IN SHARE MODE`, or from reading the data in certain transaction isolation levels. Consistent reads ignore any locks set on the records that exist in the read view. (Old versions of a record cannot be locked; they are reconstructed by applying [undo logs](#) on an in-memory copy of the record.)

```
1  SELECT * FROM parent WHERE NAME = 'Jones' LOCK IN SHARE MODE;
```