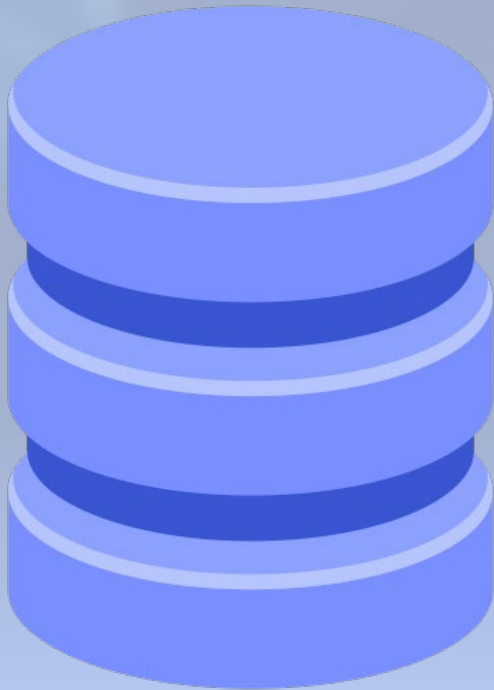


MYSQL: PERMISOS Y USUARIOS II



**GESTIÓN DE BASES DE DATOS
JUAN CARLOS NAVIDAD GARCÍA**

a) Crear un usuario que se llame administrador.

```
mysql> CREATE USER 'administrador'@'localhost' IDENTIFIED BY 'root';  
Query OK, 0 rows affected (0.01 sec)
```

b) Asígnale permisos de consulta, actualización y borrado sobre todas las tablas de la base de datos SPORTSHOP excepto la de VENTAS.

```
mysql> GRANT SELECT,UPDATE,DELETE ON sportshop.clientes TO administrador@localhost;  
Query OK, 0 rows affected (0.00 sec)  
  
mysql> GRANT SELECT,UPDATE,DELETE ON sportshop.productos TO administrador@localhost;  
Query OK, 0 rows affected (0.00 sec)  
  
mysql> GRANT SELECT,UPDATE,DELETE ON sportshop.proveedores TO administrador@localhost;  
Query OK, 0 rows affected (0.00 sec)
```

c) Conéctate con ese usuario y comprueba que puedes ejecutar una consulta, un borrado y una actualización sobre todas las tablas excepto la de VENTAS.

```
C:\wamp64\bin\mysql\mysql8.0.31\bin>mysql -u administrador -h 127.0.0.1 -p  
Enter password: ****  
Welcome to the MySQL monitor.  Commands end with ; or \g.  
Your MySQL connection id is 83  
Server version: 8.0.31 MySQL Community Server - GPL  
  
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owners.  
  
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.  
mysql> |
```

1. Clientes:

```
mysql> SELECT * FROM clientes;
```

CODCLI	NOMBRE	FECHANAC	TFNO
1000	Sergio Puente Piedra	2002-10-22	674730593
1406	Francisco Suarez Campos	2001-03-25	666555444
1303	Cristobal Perez Martinez	2000-10-26	652106476
7389	Sergio Castillo Lopez	2003-08-15	693467210
7943	José Cuenca Perez	2002-03-18	786326541
6666	Luisa Gómez Castro	1972-03-25	69696969
1004	Javier Masip Cano	1997-01-07	654827168
5555	Francisco López López	2000-01-01	677777777
4444	Laura Lopez Exposito	1995-03-20	609776331
6060	Marco Vietti SanJuan	1987-09-02	643332563

```
10 rows in set (0.00 sec)

mysql> UPDATE clientes SET tfno=643332563 WHERE codcli=5555;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> DELETE FROM clientes WHERE codcli=5555;
Query OK, 1 row affected (0.00 sec)
```

2. Productos:

```
mysql> SELECT * FROM productos;
```

CODPROD	DESCRIPCION	PRECIOCOMPR	PVP	FECHACOMPR	STOCK	PROVEEDOR
J935	Bate de Beisbol	18.99	22.50	2021-04-25	20	JOM
D001	Raqueta de Tenis	18.00	20.00	2020-05-05	15	DUN
A234	Zapatillas de Baloncesto James Harden	80.00	100.00	2021-02-12	5	ADI
N007	Bañador Negro	90.00	100.00	2020-09-11	70	NIK
A999	Botas de Futbol Predator	90.00	110.00	2020-06-12	30	ADI
L798	Guantes de Boxeo	50.00	89.00	2021-07-10	20	LEO
B200	Bicicleta Electrica	3599.00	4299.00	2021-09-24	5	BH
P222	Mallas Negras	14.00	21.00	2020-01-01	15	PUM
L034	Saco Boxeo Leone 1947 Basic 30Kg	75.00	155.00	2022-02-14	3	LEO
H003	Raqueta Head Graphene XT Prestige	56.00	205.00	2018-12-12	-25	HEA
A020	Chancas Hombre Adilette	3.95	24.95	2017-07-15	6	ADI
H002	Pala Padel Head Evolution	19.00	55.95	2018-12-12	6	HEA
A103	Gorra con visera	2.25	14.75	2017-03-15	12	ADI
J004	Camiseta Termica Negra L	2.25	8.06	2017-09-30	14	JOM
J008	Chaqueton Snow Negro XL	38.95	105.22	2017-10-30	2	JOM
N001	Zapatillas Running 40-43	23.50	69.95	2017-06-15	30	NIK
N010	Zapatillas Basket 44-46	21.95	65.95	2017-06-15	2	NIK
R504	Malla Gimnasio Mujer	5.50	17.90	2017-08-15	7	REE
R512	Calcetines Unisex 38-42 P	1.25	5.75	2018-10-09	8	REE
H020	Pala Padel Head Omega Pro	38.00	99.95	2018-12-12	3	HEA
M010	Mizuno Wave Unitus 4	38.95	65.45	2017-11-28	0	MIZ
N002	Chandal Nike Rojo	29.00	59.00	2018-10-30	6	NIK
H100	Zapatillas Head Revolt Pro	23.00	94.00	2018-12-12	7	HEA
R222	Pack Calcetines Reebok	2.00	9.00	2020-10-21	25	REE
R223	Chandal Reebok Blanco	25.00	100.00	2020-10-22	6	REE
R220	Chandal Reebok Gris	25.00	90.00	2020-10-22	2	REE
R221	Chandal Reebok Negro	25.00	90.00	2020-10-22	5	REE
R224	Chandal Reebok Rojo	25.00	90.00	2020-10-22	6	REE
R750	Muñequera Elastica Negra	0.20	3.00	2020-11-26	200	REE
M055	Gorra invierno	2.50	8.75	2021-04-19	10	MIZ
H055	Zapatilla Running	30.00	55.75	2021-04-19	5	HEA
L010	Zapatillas Boxeo Leone premium	21.00	59.00	2022-02-14	2	LEO
C020	Fofo polar Sherpa	39.00	89.99	2022-03-14	3	COL
C030	Zapatilla Senderismo TrailStorm	39.00	99.99	2022-03-14	5	COL
N012	Zapatillas Adidas	40.00	80.00	2023-03-20	40	ADI

```
35 rows in set (0.00 sec)

mysql> UPDATE productos SET pvp=70 WHERE codprod="N012";
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> DELETE FROM productos WHERE codprod="N012";
Query OK, 1 row affected (0.00 sec)
```

3. Proveedores:

```
mysql> SELECT * FROM proveedores;
+-----+-----+-----+-----+
| CODIGO | DESCRIPCION | TFNO | WEB |
+-----+-----+-----+-----+
| JOM | Joma | 953740102 | www.joma.es |
| DUN | Dunlod | 953740103 | www.dun.es |
| ADI | Adidas | 953740104 | www.adidas.es |
| NIK | Nike | 953740105 | www.nike.es |
| LEO | Leone | 953740106 | www.leone.es |
| BH | BH | 953740107 | www.bh.es |
| PUM | Puma | 953740108 | www.puma.es |
| TEN | Tenth | 608409265 | www.tenth.es |
| VAN | Vans | 619291083 | www.vans.es |
| COL | Columbia SportWear | 600192384 | https://www.columbiasportswear.es/ |
+-----+-----+-----+-----+
10 rows in set (0.00 sec)

mysql> UPDATE proveedores SET web="www.columbiasportswear.es" WHERE codigo="COL";
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> DELETE FROM proveedores WHERE codigo="COL";
Query OK, 1 row affected (0.00 sec)
```

d) Comprueba los permisos que tiene el usuario administrador.

```
mysql> SHOW GRANTS FOR administrador@localhost;
+-----+-----+-----+-----+
| Grants for administrador@localhost |
+-----+-----+-----+-----+
| GRANT USAGE ON *.* TO `administrador`@`localhost` |
| GRANT SELECT, UPDATE, DELETE ON `sportshop`.`clientes` TO `administrador`@`localhost` |
| GRANT SELECT, UPDATE, DELETE ON `sportshop`.`productos` TO `administrador`@`localhost` |
| GRANT SELECT, UPDATE, DELETE ON `sportshop`.`proveedores` TO `administrador`@`localhost` |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

e) Intentar hacer un borrado sobre cualquier tabla y comprueba que no te lo permite.

```
mysql> DROP TABLE clientes;
ERROR 1142 (42000): DROP command denied to user 'administrador'@'localhost' for table 'clientes'
```

- f) **Crear otro usuario (inventa el nombre) para que solo tenga permiso de selección sobre las tablas clientes y de inserción sobre proveedores de la base de datos DEPORTES. Comprueba que es así con distintas órdenes.**

```
mysql> CREATE USER 'clase_prueba'@'localhost' IDENTIFIED BY 'clase';
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> GRANT SELECT ON deportes.clientes TO clase_prueba@localhost;
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> GRANT INSERT ON deportes.proveedores TO clase_prueba@localhost;
Query OK, 0 rows affected (0.00 sec)
```

```
C:\wamp64\bin\mysql\mysql8.0.31\bin>mysql -u clase_prueba -h 127.0.0.1 -p
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 93
Server version: 8.0.31 MySQL Community Server - GPL
```

```
mysql> SHOW GRANTS FOR clase_prueba@localhost;
+-----+
| Grants for clase_prueba@localhost |
+-----+
| GRANT USAGE ON *.* TO `clase_prueba`@`localhost` |
| GRANT SELECT ON `deportes`.`clientes` TO `clase_prueba`@`localhost` |
| GRANT INSERT ON `deportes`.`proveedores` TO `clase_prueba`@`localhost` |
+-----+
3 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM clientes;
+-----+
| CodCli | Nombre           | FechaNac | Tfno |
+-----+
| 2478   | Jesus Martinez   | 1982-10-16 | 600875920 |
| 2648   | Feliz Avila      | 2000-05-25 | 619625586 |
| 2656   | Mario Lopez      | 1990-11-01 | 953758722 |
| 2678   | Ana Rodriguez    | 1970-10-16 | 619500487 |
| 2770   | Carmen Martinez  | 1985-07-11 | 619669335 |
| 2866   | Patricia Fernandez | 2000-09-19 | 602557441 |
| 2985   | Carlos Martinez  | 2001-04-18 | 625879954 |
| 2287   | Violeta Ruiz     | 2000-09-03 | 687558905 |
| 2245   | Cristobal Cano   | 1970-10-15 | 666789003 |
+-----+
9 rows in set (0.00 sec)
```

```
mysql> INSERT INTO proveedores VALUES("VAN","Vans","917652919","www.vans.com");
Query OK, 1 row affected (0.00 sec)
```

g) Asigna al usuario anterior permisos de consulta sobre la tabla productos, pero sólo a los campos descripción, precio de venta y stock. Haz una consulta sobre dicha tabla y comprueba los resultados.

```
mysql> GRANT SELECT(descripcion,pvp,stock) ON deportes.articulos TO clase_prueba@localhost;
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> select preciocompra from articulos;
ERROR 1143 (42000): SELECT command denied to user 'clase_prueba'@'localhost' for column 'preciocompra' in table 'articulos'
mysql> select descripcion, pvp, stock from articulos;
```

descripcion	pvp	stock
Raqueta Head Graphene Xt Prestige	205.00	-13
Chancas Hombre Adilette	22.46	6
Pala Padel Head Evolution	55.95	6
Gorra con visera	13.28	12
Camiseta Termica Negra L	8.96	14
Chaqueton Snow Negro XL	116.91	2
Zapatillas Running 40-43	69.95	3
Zapatillas Basket 44-46	65.95	2
Malla Gimnasio Mujer	17.90	7
Calcetines Unisex 38-42 P	5.75	8
Pala Padel Head Omega Pro	99.95	3
Mizuno Wave Unitus 4	65.45	0
Chandal Nike Rojo	59.00	6
Zapatillas Head Revolt Pro	94.00	7
Pack Calcetines Reebok	9.00	25
Chandal Reebok Blanco	100.00	6
Chandal Reebok Gris	90.00	2
Chandal Reebok Negro	90.00	5
Chandal Reebok Rojo	90.00	6
Zapatillas Running	63.00	30

```
20 rows in set (0.00 sec)
```

h) Borra el usuario que acabas de crear.

```
mysql> REVOKE SELECT ON deportes.clientes FROM clase_prueba@localhost;
Query OK, 0 rows affected (0.00 sec)

mysql> REVOKE INSERT ON deportes.proveedores FROM clase_prueba@localhost;
Query OK, 0 rows affected (0.00 sec)

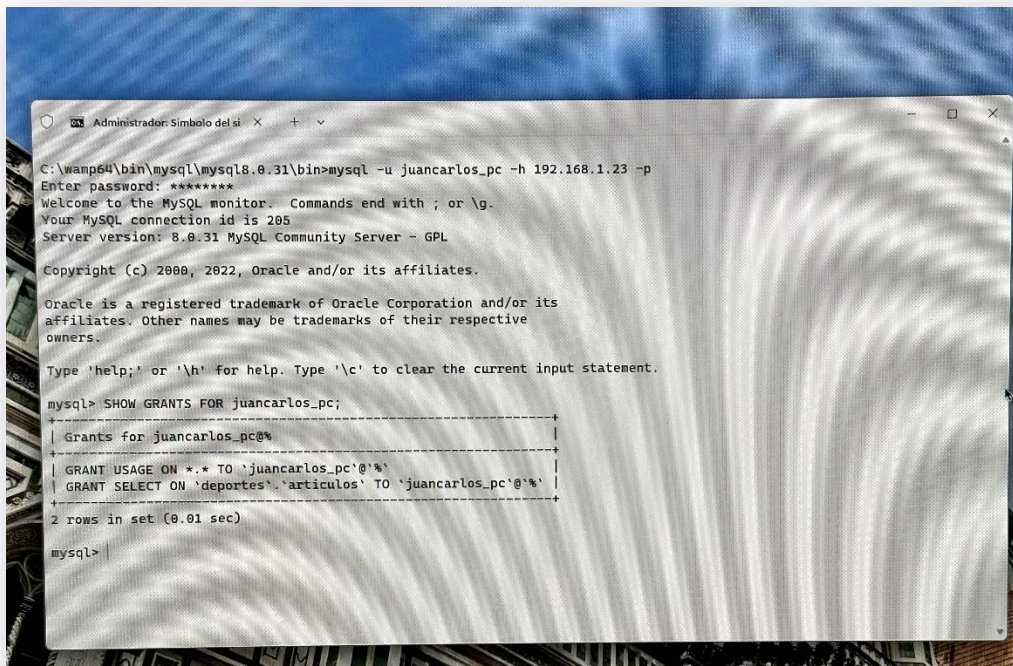
mysql> REVOKE SELECT ON deportes.articulos FROM clase_prueba@localhost;
Query OK, 0 rows affected (0.00 sec)

mysql> DROP USER clase_prueba@localhost;
Query OK, 0 rows affected (0.00 sec)
```


- i) Crea un usuario para un compañero. Asígnale los permisos que quieras sobre una base de datos de tu elección. Tu compañero tendrá que conectarse con él a tu servidor, y para ello deberás facilitarle tu IP y comprobará los permisos que tiene y las bases de datos sobre las que tiene acceso.

```
mysql> CREATE USER 'juancarlos_pc'@'%' IDENTIFIED BY 'portatil';
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> GRANT SELECT ON deportes.articulos TO 'juancarlos_pc'@'%' ;
Query OK, 0 rows affected (0.00 sec)
```



```
C:\wamp64\bin\mysql\mysql8.0.31\bin>mysql -u juancarlos_pc -h 192.168.1.23 -p
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 285
Server version: 8.0.31 MySQL Community Server - GPL

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owners.

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

mysql> SHOW GRANTS FOR juancarlos_pc;
+-----+
| Grants for juancarlos_pc@% |
+-----+
| GRANT USAGE ON *.* TO 'juancarlos_pc'@'%' |
| GRANT SELECT ON 'deportes'.articulos TO 'juancarlos_pc'@'%' |
+-----+
2 rows in set (0.01 sec)

mysql> |
```

j) Intenta realizar una acción no permitida sobre alguna tabla a las que tienes acceso con el usuario del punto anterior.

```
mysql> SELECT * FROM articulos;
```

CodArt	Descripcion	PrecioCompra	PVP	FechaCompra	Stock	Proveedor
H003	Raqueta Head Graphene Xt Prestige	56.00	205.00	2020-12-12	-13	HEA
A020	Chancas Hombre Adilette	3.95	22.46	2019-07-15	6	ADI
H002	Pala Padel Head Evolution	19.00	55.95	2020-12-12	6	HEA
A103	Gorra con visera	2.25	13.28	2019-03-15	12	ADI
J004	Camiseta Termica Negra L	2.25	8.96	2019-09-30	14	JOM
J008	Chaqueton Snow Negro XL	38.95	116.91	2019-10-30	2	JOM
N001	Zapatillas Running 40-43	23.50	69.95	2019-06-15	3	NIK
N010	Zapatillas Basket 44-46	21.95	65.95	2019-06-15	2	NIK
R504	Malla Gimnasio Mujer	5.50	17.90	2019-08-15	7	REE
R512	Calcetines Unisex 38-42 P	1.25	5.75	2020-10-09	8	REE
H020	Pala Padel Head Omega Pro	38.00	99.95	2020-12-12	3	HEA
M010	Mizuno Wave Unitis 4	38.95	65.45	2019-11-28	0	MIZ
N002	Chandal Nike Rojo	29.00	59.00	2020-10-30	6	NIK
H100	Zapatillas Head Revolt Pro	23.00	94.00	2020-12-12	7	HEA
R222	Pack Calcetines Reebok	2.00	9.00	2022-08-21	25	REE
R223	Chandal Reebok Blanco	25.00	100.00	2022-08-22	6	REE
R220	Chandal Reebok Gris	25.00	90.00	2022-08-22	2	REE
R221	Chandal Reebok Negro	25.00	90.00	2022-08-22	5	REE
R224	Chandal Reebok Rojo	25.00	90.00	2022-09-22	6	REE
H004	Zapatillas Running	35.00	63.00	2023-03-03	30	ADI

```

20 rows in set (0.03 sec)

mysql> UPDATE articulos SET PVP=49.90 WHERE codart="N002";
ERROR 1142 (42000): UPDATE command denied to user 'juancarlos_pc'@'192.168.1.21' for table 'articulos'
mysql>

```