



# UNIVERSIDAD TECNOLÓGICA DE SAN LUIS RIO COLORADO

**Copias de seguridad de tablas**

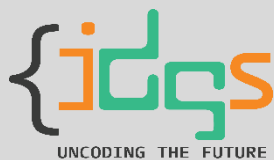
**MTRA. Julia Elizabeth García Herrera**

**ALUMNO: VICTOR MANUEL GALVAN COVARRUBIAS**

**ING. EN DESARROLLO Y GESTIÓN DE SOFTWARE**

San Luis Río Colorado, Sonora

Mayo, 2022



```
Simbolo del sistema - mysql -u root -p
Microsoft Windows [Versión 10.0.19044.1706]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\acer>cd C:\Program Files\MySQL\MySQL Server 8.0\bin

C:\Program Files\MySQL\MySQL Server 8.0\bin>mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 5.5.5-10.4.22-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2016, Oracle and/or its affiliates. All rights reserved.

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

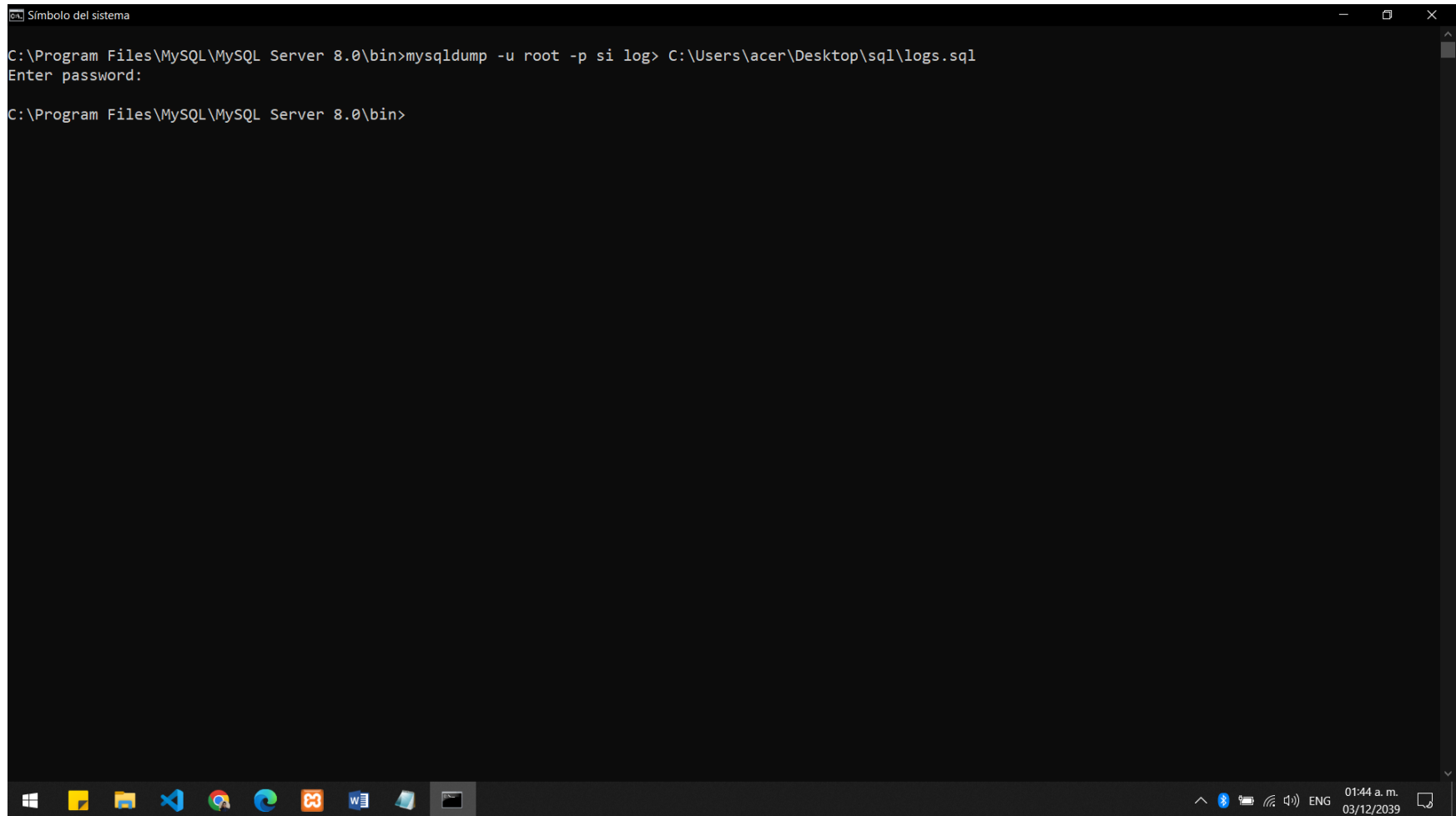
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+-----+
| Database |
+-----+
| adminsorteos |
| bettergym |
| coppel |
| information_schema |
| local1 |
| mysql |
| performance_schema |
| phpmyadmin |
| si |
| test |
+-----+
10 rows in set (0.00 sec)

mysql> use si;
Database changed
mysql> show tables;
+-----+
| Tables_in_si |
+-----+
| admin |
| log |
| user |
+-----+
3 rows in set (0.01 sec)

mysql> show tables;
```

Ingresamos a MySQL desde la terminal y mostramos las tablas que tenemos disponibles para poder crear la copia de seguridad de estas.



```
Símbolo del sistema
C:\Program Files\MySQL\MySQL Server 8.0\bin>mysqldump -u root -p si log> C:\Users\acer\Desktop\sql\logs.sql
Enter password:
C:\Program Files\MySQL\MySQL Server 8.0\bin>
```

Ejecutamos el comando para crea la copia de la tabla de la cual después haremos respaldo.

```
Simbolo del sistema - mysql -u root -p
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 14
Server version: 5.5.5-10.4.22-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2016, Oracle and/or its affiliates. All rights reserved.

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.

mysql> use si;
Database changed
mysql> show tables
    -> ;
+-----+
| Tables_in_si |
+-----+
| admin        |
| log          |
| user         |
+-----+
3 rows in set (0.00 sec)

mysql> DROP TABLE log;
Query OK, 0 rows affected (0.01 sec)

mysql> show tables;
+-----+
| Tables_in_si |
+-----+
| admin        |
| user         |
+-----+
2 rows in set (0.00 sec)

mysql>
```

Ingresamos de nuevo a MySQL y borramos la tabla.

```
Selecionar Símbolo del sistema - mysql -u root -p

C:\Program Files\MySQL\MySQL Server 8.0\bin>mysql -u root -p si< C:\Users\acer\Desktop\sql\log.sql
Enter password:

C:\Program Files\MySQL\MySQL Server 8.0\bin>mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 18
Server version: 5.5.5-10.4.22-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2016, Oracle and/or its affiliates. All rights reserved.

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

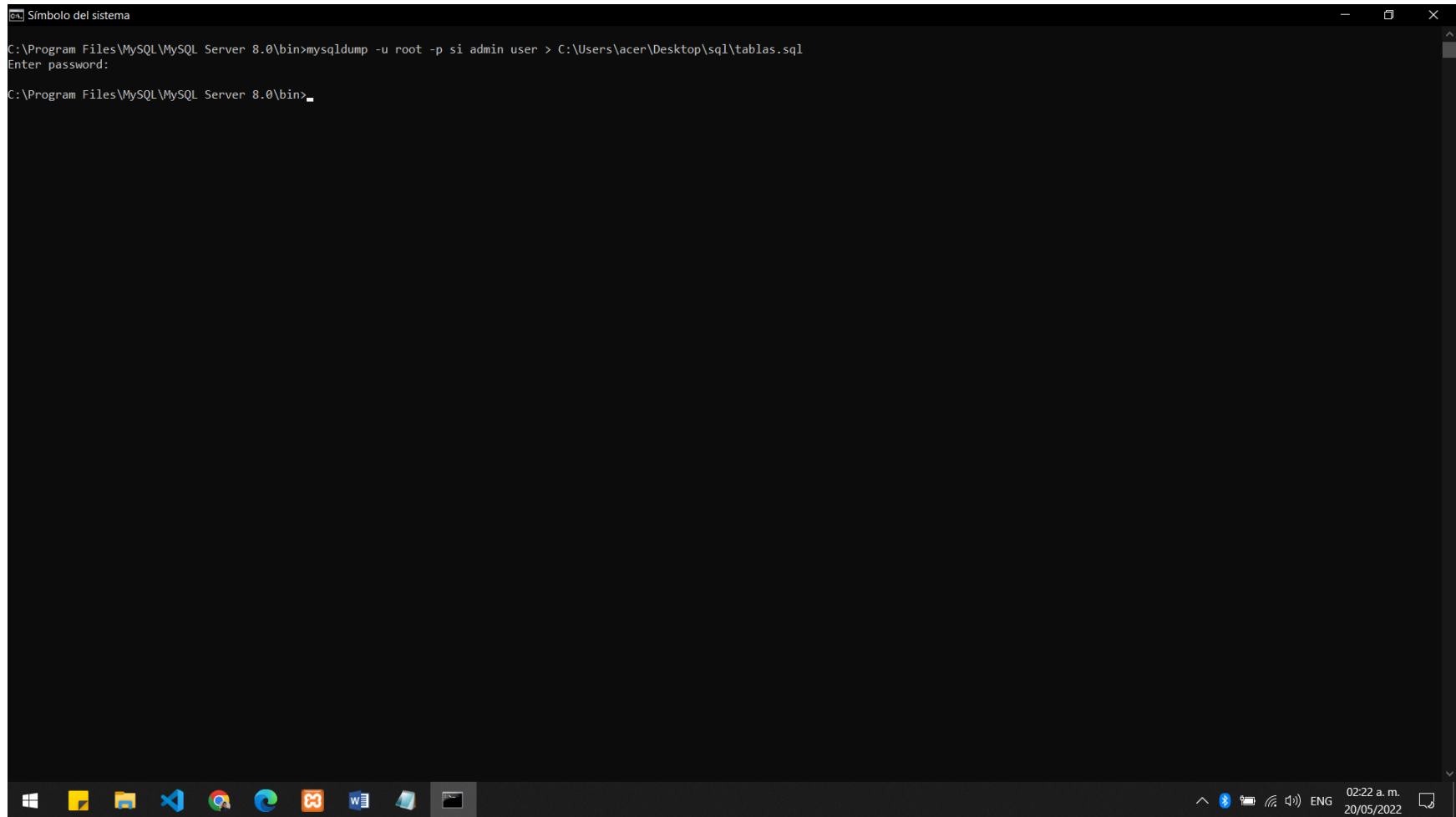
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use si;
Database changed
mysql> SELECT * FROM log;
+----+-----+
| logid | fecha      |
+----+-----+
| 1     | 2022-01-01 |
| 2     | 2022-01-02 |
| 3     | 2022-01-03 |
| 4     | 2022-01-04 |
| 5     | 2022-01-05 |
| 6     | 2022-01-06 |
| 7     | 2022-01-07 |
| 8     | 2022-01-08 |
| 9     | 2022-01-09 |
| 10    | 2022-01-10 |
| 11    | 2022-01-11 |
| 12    | 2022-01-12 |
| 13    | 2022-01-13 |
| 14    | 2022-01-14 |
| 15    | 2022-01-15 |
+----+-----+
15 rows in set (0.00 sec)

mysql>
```

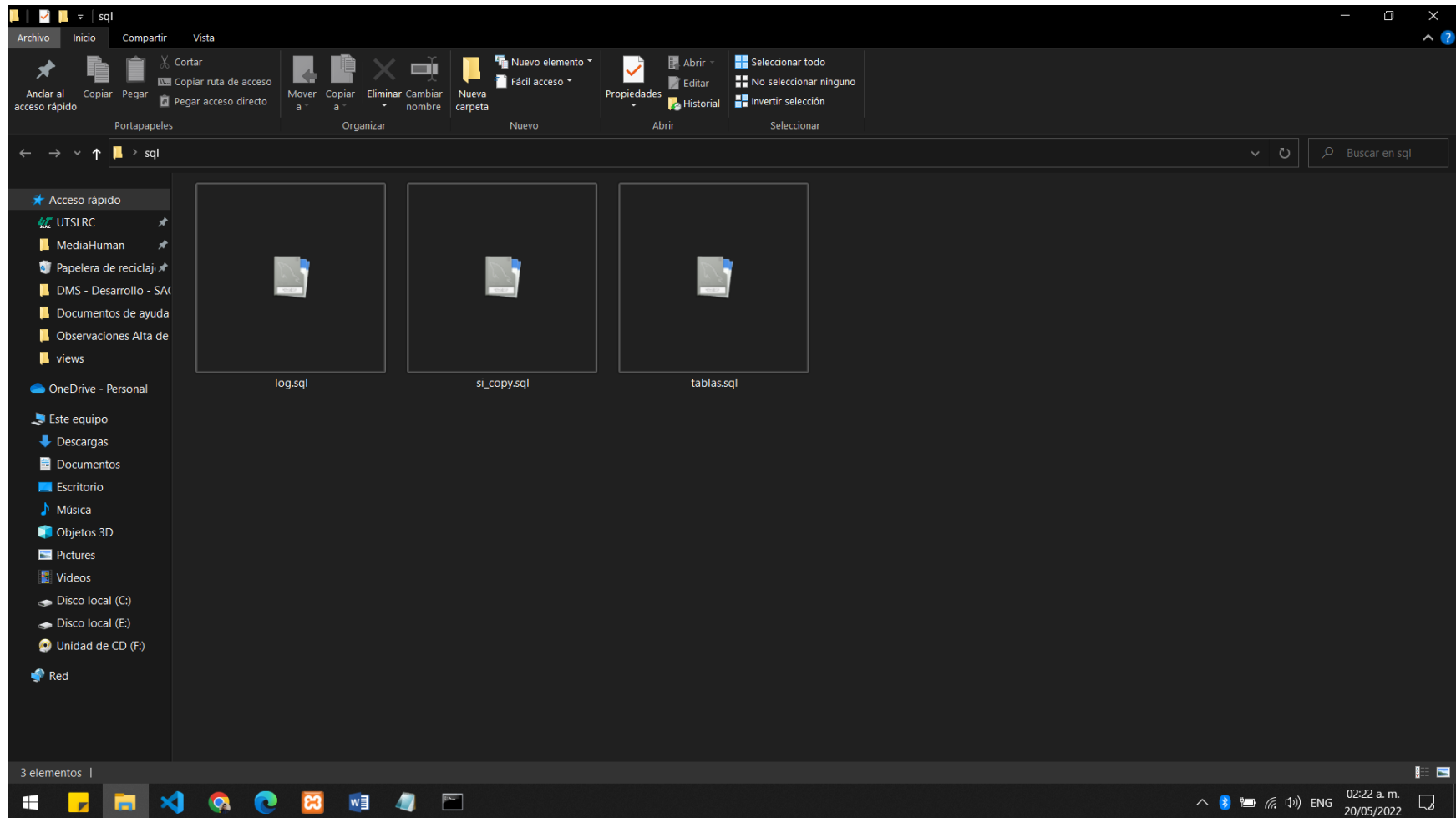
Ejecutamos el comando para cargar la copia de seguridad que creamos y así cargarla a nuestra base de datos. Como podemos observar todos los registros fueron restaurados.

A continuación, realizaremos el mismo proceso para para dos tablas.

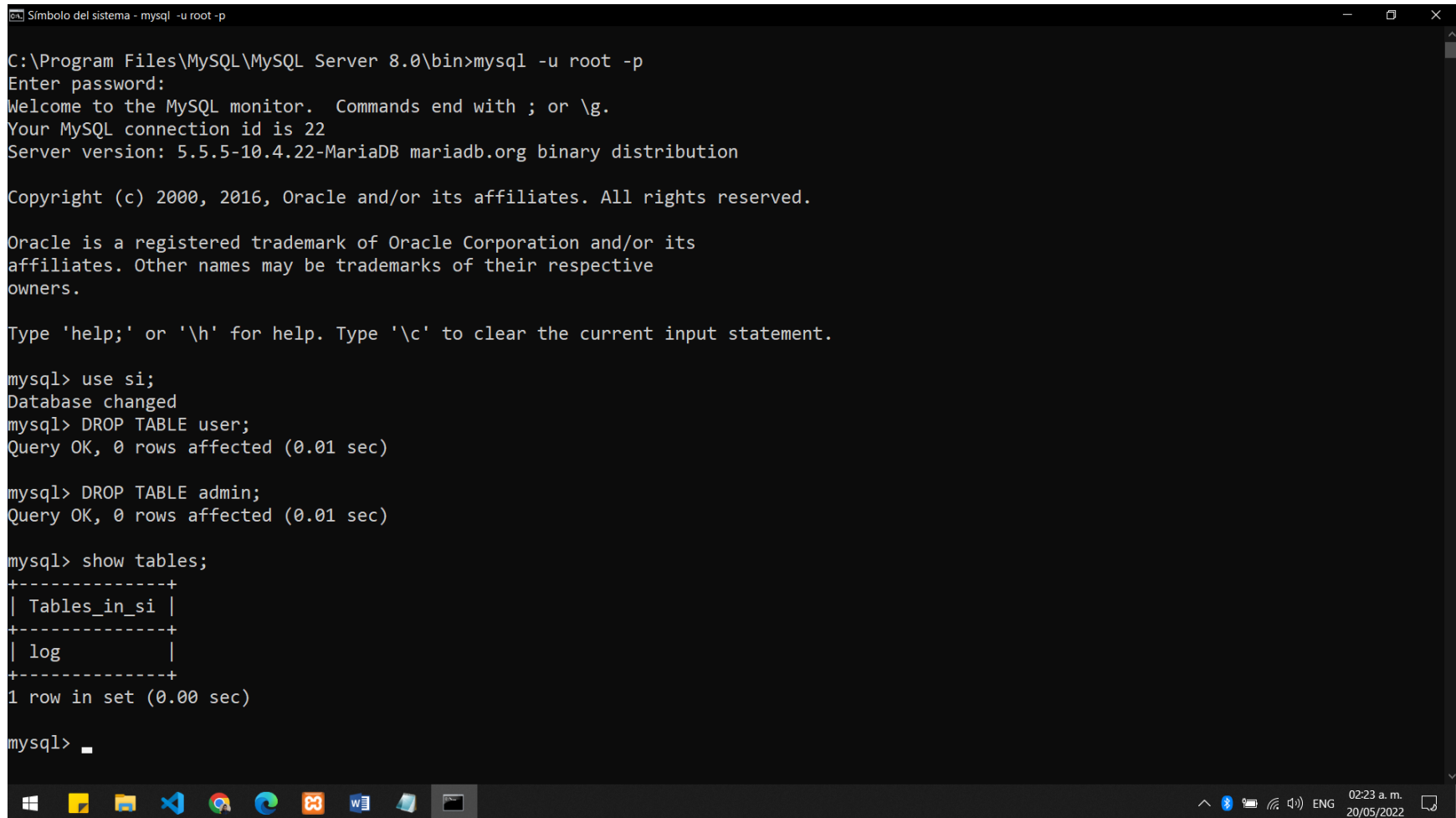


```
Símbolo del sistema
C:\Program Files\MySQL\MySQL Server 8.0\bin>mysqldump -u root -p si admin user > C:\Users\acer\Desktop\sql\tablas.sql
Enter password:
C:\Program Files\MySQL\MySQL Server 8.0\bin>
```

Creamos la copia de seguridad de las dos tablas que deseemos.



Se crea el archivo de respaldo.



```
Símbolo del sistema - mysql -u root -p

C:\Program Files\MySQL\MySQL Server 8.0\bin>mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 22
Server version: 5.5.5-10.4.22-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2016, Oracle and/or its affiliates. All rights reserved.

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.

mysql> use si;
Database changed
mysql> DROP TABLE user;
Query OK, 0 rows affected (0.01 sec)

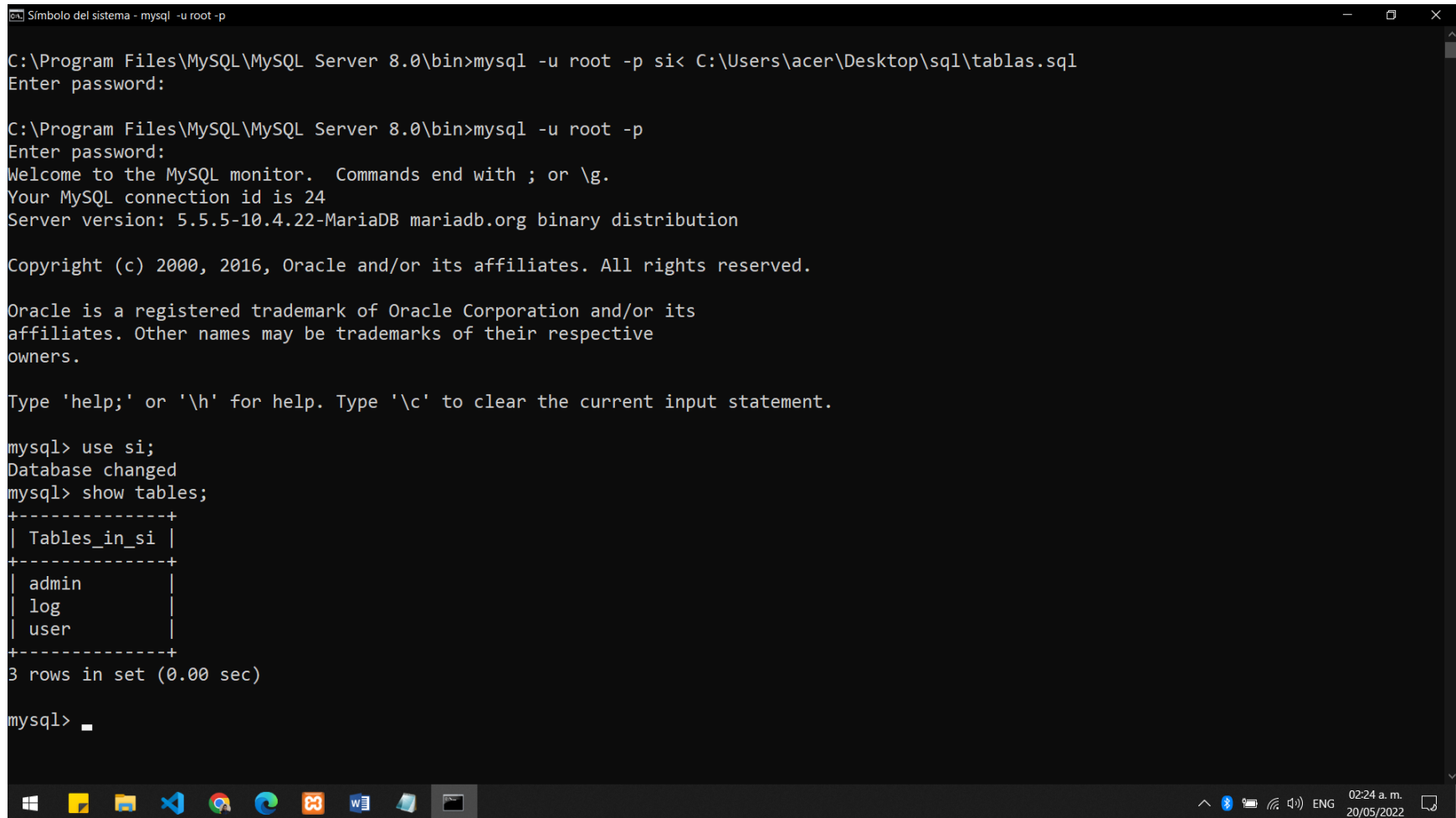
mysql> DROP TABLE admin;
Query OK, 0 rows affected (0.01 sec)

mysql> show tables;
+-----+
| Tables_in_si |
+-----+
| log          |
+-----+
1 row in set (0.00 sec)

mysql> 
```

Borramos las tablas para poder cargarlas desde la copia de seguridad.





Simbolo del sistema - mysql -u root -p

```
C:\Program Files\MySQL\MySQL Server 8.0\bin>mysql -u root -p si< C:\Users\acer\Desktop\sql\tablas.sql
Enter password:

C:\Program Files\MySQL\MySQL Server 8.0\bin>mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 24
Server version: 5.5.5-10.4.22-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2016, Oracle and/or its affiliates. All rights reserved.

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.

mysql> use si;
Database changed
mysql> show tables;
+-----+
| Tables_in_si |
+-----+
| admin        |
| log          |
| user         |
+-----+
3 rows in set (0.00 sec)

mysql> 
```

The screenshot shows a Windows taskbar at the bottom with various application icons and a system tray on the right displaying the time as 02:24 a.m. on 20/05/2022.

Ejecutamos el comando para cargar la copia de seguridad a nuestra base de datos.

```
Simbolo del sistema - mysql -u root -p
+-----+
| Tables_in_si |
+-----+
| admin        |
| log          |
| user         |
+-----+
3 rows in set (0.00 sec)

mysql> SELECT * FROM user;
+-----+-----+-----+-----+
| userid | name | correo_electronico | contrasenia |
+-----+-----+-----+-----+
| 1      | 1    | 1                  | 1            |
| 2      | 2    | 1                  | 1            |
| 3      | 3    | 1                  | 1            |
| 4      | 4    | 1                  | 1            |
| 5      | 5    | 1                  | 1            |
| 6      | 6    | 1                  | 1            |
| 7      | 7    | 1                  | 1            |
| 8      | 8    | 1                  | 1            |
| 9      | 9    | 1                  | 1            |
| 10     | 10   | 1                  | 1            |
| 11     | 11   | 1                  | 1            |
| 12     | 12   | 1                  | 1            |
| 13     | 13   | 1                  | 1            |
| 14     | 14   | 1                  | 1            |
| 15     | 15   | 1                  | 1            |
| 16     | 15   | 1                  | 1            |
+-----+-----+-----+-----+
16 rows in set (0.00 sec)

mysql>
```

Mostramos los registros de la primera tabla.

```
Simbolo del sistema - mysql -u root -p
+-----+-----+-----+-----+
| 11 | 11 | 1 | 1 |
| 12 | 12 | 1 | 1 |
| 13 | 13 | 1 | 1 |
| 14 | 14 | 1 | 1 |
| 15 | 15 | 1 | 1 |
| 16 | 15 | 1 | 1 |
+-----+-----+-----+-----+
16 rows in set (0.00 sec)

mysql> SELECT * FROM admin;
+-----+-----+-----+-----+
| adminid | name | correo_electronico | contrasenia |
+-----+-----+-----+-----+
| 1 | 1 | 1 | 1 |
| 2 | 2 | 1 | 1 |
| 3 | 3 | 1 | 1 |
| 4 | 4 | 1 | 1 |
| 5 | 5 | 1 | 1 |
| 6 | 6 | 1 | 1 |
| 7 | 7 | 1 | 1 |
| 8 | 8 | 1 | 1 |
| 9 | 9 | 1 | 1 |
| 10 | 10 | 1 | 1 |
| 11 | 11 | 1 | 1 |
| 12 | 12 | 1 | 1 |
| 13 | 13 | 1 | 1 |
| 14 | 14 | 1 | 1 |
| 15 | 15 | 1 | 1 |
| 16 | 15 | 1 | 1 |
+-----+-----+-----+-----+
16 rows in set (0.00 sec)

mysql> _
```

Mostramos los registros de la segunda tabla.