

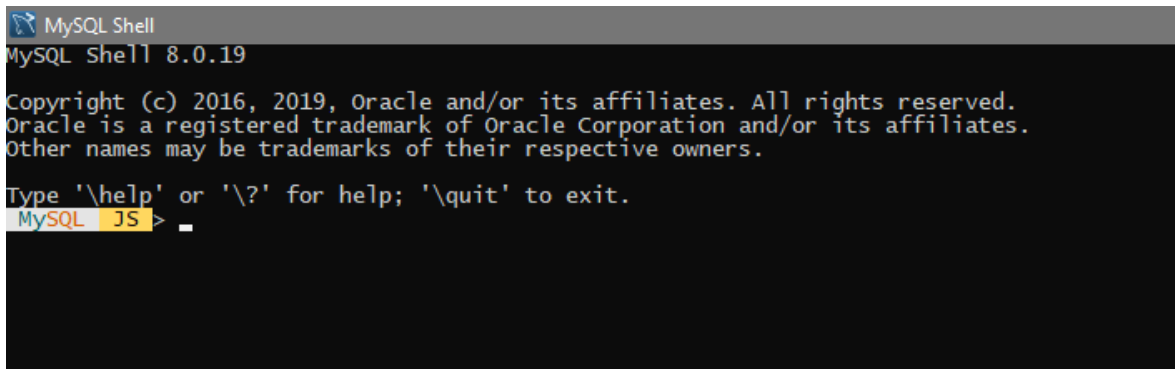
Connecting to the MySQL Server and Creating Schema

We use the MySQL Shell 8.0.19 to work on the database and set it up. MySQL Shell is a powerful tool with ability to run JavaScript, Python and SQL scripts on the same shell to perform data definitions operations, data manipulation operations and support for altering the database preferences.

The documentation of MySQL Shell can be found on

<https://dev.mysql.com/doc/mysql-shell/8.0/en/>

During the MySQL Server setup the configuration of “root” users have been setup with a root password “*****” and server runs on port 3307 of local host.

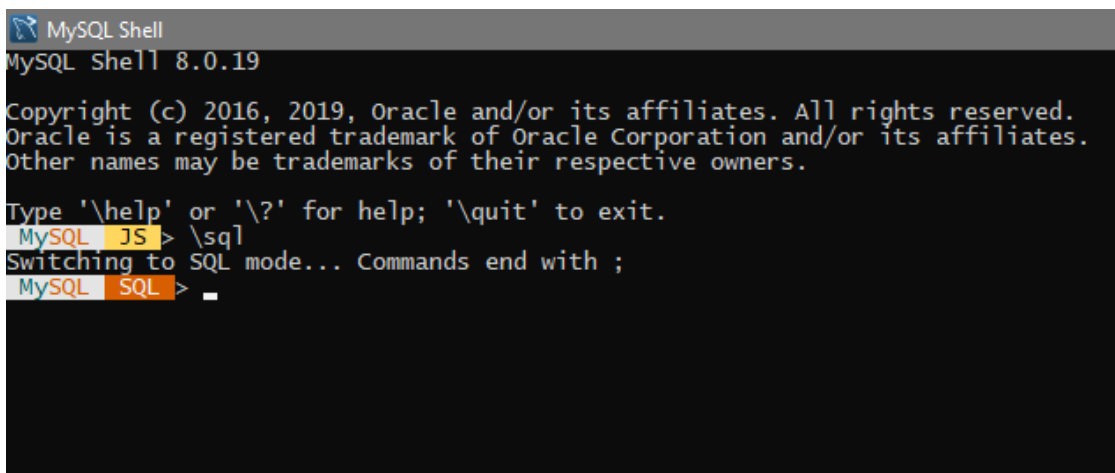


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MySQL Shell
MySQL Shell 8.0.19

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Other names may be trademarks of their respective owners.

Type '\help' or '? for help; '\quit' to exit.
MySQL JS > _
```

The shell opens as JavaScript shell. Use the command “\sql “ to switch to MySQL command line.



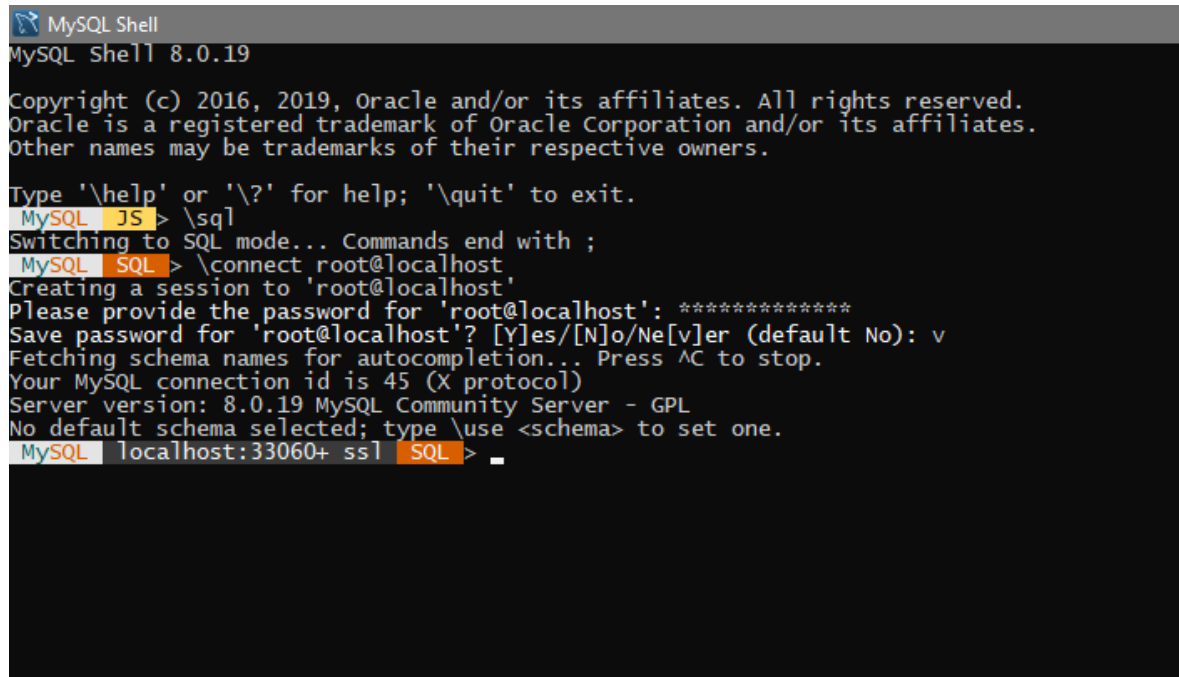
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MySQL Shell 8.0.19

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Type '\help' or '? for help; '\quit' to exit.
MySQL JS > \sql
Switching to SQL mode... Commands end with ;
MySQL SQL > _
```

Logging in as root user:

Now we login as the root user in order to access the database using “\connect root@localhost”. This will prompt for the password and type in your root password. (There will be a prompt asking to store passwords, do enter your preferences and press Enter).

A screenshot of a MySQL Shell terminal window. The title bar says "MySQL Shell". The text inside shows the MySQL Shell 8.0.19 version, copyright information for Oracle, and instructions on how to use the shell. The user enters "\sql" to switch to SQL mode. Then they enter "\connect root@localhost" to log in as the root user. The terminal prompts for a password, which is masked with asterisks. It then asks if the user wants to save the password, and the user presses 'v'. The terminal shows the connection ID is 45 and the server version is 8.0.19 MySQL Community Server - GPL. The prompt changes to "localhost:33060+ ssl SQL >".

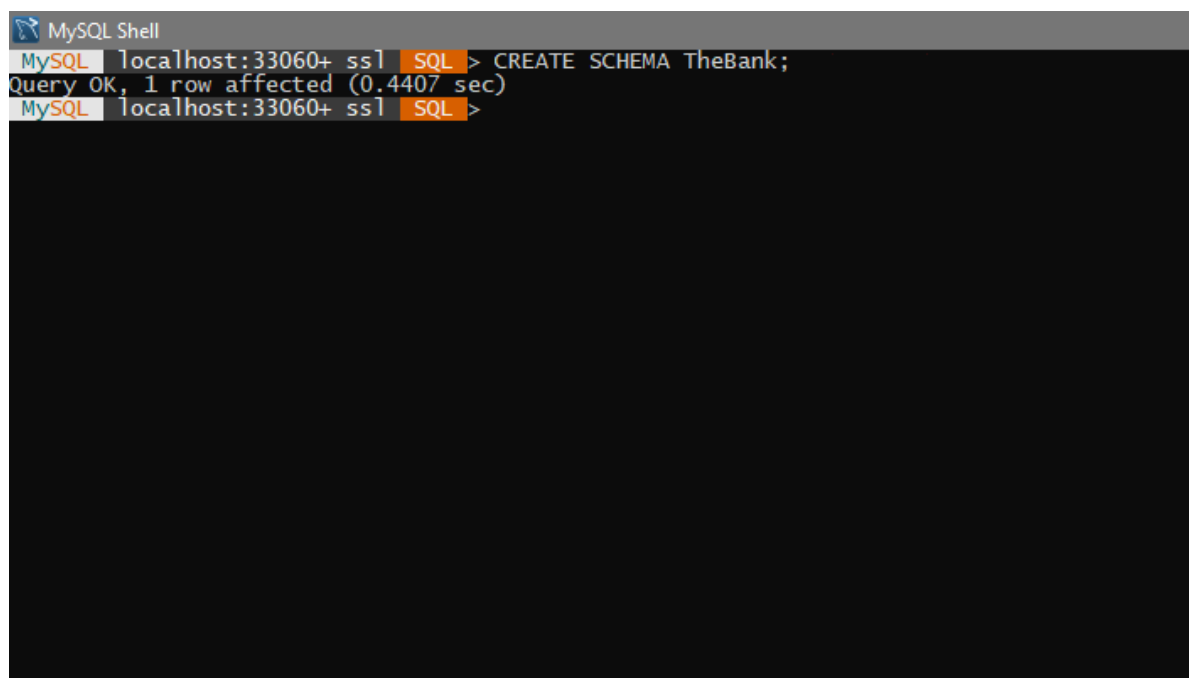
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MySQL Shell
MySQL Shell 8.0.19

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Type '\help' or '\?' for help; '\quit' to exit.
MySQL JS > \sql
Switching to SQL mode... Commands end with ;
MySQL SQL > \connect root@localhost
Creating a session to 'root@localhost'
Please provide the password for 'root@localhost': *****
Save password for 'root@localhost'? [Y]es/[N]o/[e]ver (default No): v
Fetching schema names for autocompletion... Press ^C to stop.
Your MySQL connection id is 45 (X protocol)
Server version: 8.0.19 MySQL Community Server - GPL
No default schema selected; type \use <schema> to set one.
MySQL localhost:33060+ ssl SQL > _
```

The connection to the server has been established and now we are logged in as root user. Now we proceed to creating and setting up our schema. (USE CTRL+L TO CLEAR SCREEN).

We create schema “TheBank” using “CREATE SCHEMA TheBank;”

A screenshot of a MySQL Shell terminal window. The title bar says "MySQL Shell". The text inside shows the user entering "CREATE SCHEMA TheBank;" at the prompt. The terminal responds with "Query OK, 1 row affected (0.4407 sec)". The prompt then changes to "localhost:33060+ ssl SQL >".

```
MySQL Shell
MySQL localhost:33060+ ssl SQL > CREATE SCHEMA TheBank;
Query OK, 1 row affected (0.4407 sec)
MySQL localhost:33060+ ssl SQL >
```