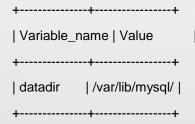
How is Data saved in MySQL (linux)

Data in MySQL

- This is based on Linux file system.
- Basically MySQL stores data in files in hard disk.
- It stores the files in a specific directory that has the system variable "datadir".
- Opening a mysql console and running the following command will tell you exactly where the folder is located.
- mysql> SHOW VARIABLES LIKE 'datadir';

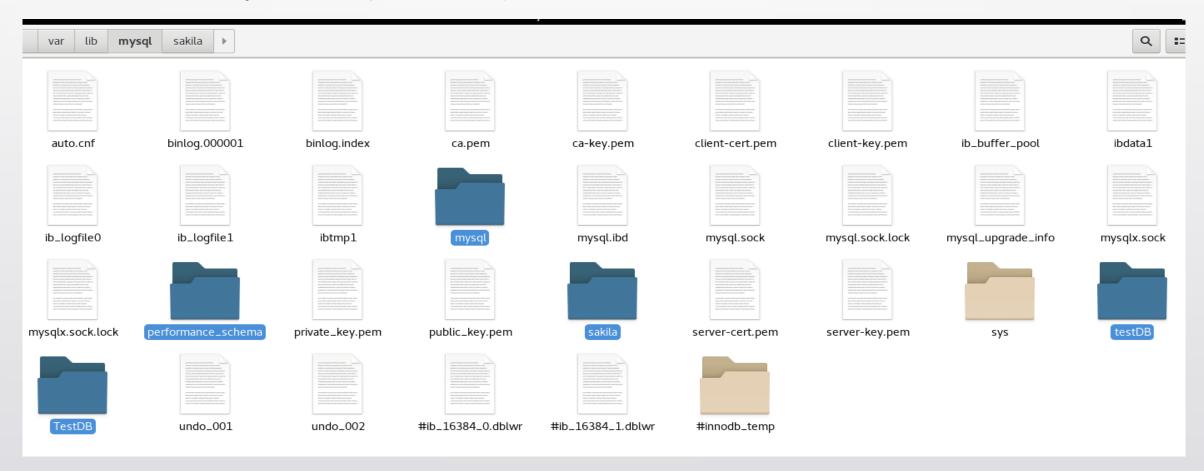


- As you can see from the above command, my "datadir" was located in /var/lib/mysql/.
- The location of the "datadir" may vary in different systems.
- This directory contains folders and some configuration files.

Data in MySQL (contd..)

- Each folder represents a mysql database and contains files with data for that specific database.
- Each folder in the directory represents a MySQL database.
- Each database folder contains files that represent the tables in that database.
- There are two files for each table, one with a .frm (post MySQL 8.0) extension and the other with a .idb extension.
- The .frm table file stores the table's format. (post MySQL 8.0)
- The .ibd file stores the table's data.
- In MySQL 8.0 Oracle have moved the FRM information—and more—to what is called Serialized Dictionary Information (SDI), The SDI is written INSIDE the ibd file.

Data in MySQL (contd..)



Data in MySQL (contd..)

