

03-mysql Concepts and Commands

Install MySQL Edge Version: `sudo snap install --edge mysql`

Expected response: *mysql (edge) 8.0.0-dmr from Canonical Data Platform (dataplatformbot) installed*

Note: `sudo` is a shell command that allows one to run a command as the "super user" meaning if some commands don't run when you type them in, they may run if you use `sudo` as the "super user" can do things a normal user cannot. It stands for "super user do".

Check mysql Version Installed: `mysql --version`

Expected response: *mysql Ver 8.0.33-0ubuntu0.20.04.2 for Linux on x86_64 ((Ubuntu))*

Check MySQL process/server is running: `ps -aef|grep -i mysql`

Expected response: *mysql 943 1 0 08:05 ? 00:00:05 /usr/sbin/mysqld*

Start the mysql command line interface (CLI): `sudo mysql -u root`

This means: *hey mySql I want to start a CLI as the root user (-u root)*

Create a database in the mysql DBMS: `create database database-name;`

(DO NOT FORGET THE ; AT THE END OF EVERY COMMAND! If you do, or you see the -> prompt try simply typing the ;)

List the databases that exist in mySql DBMS: `show databases;`

Display the database currently active (in use) by mysql: `select database();`

(Be sure the database in which you want an operation performed is the active database in mysql)

Make a database active: `use database-name;`

List tables in the active database: `show tables;`

List attributes of a table: `describe tablename;`

Create a table in the active database: `create table tablename (
 column-name datatype,
 column-name datatype,
 column-name datatype,
 .
 .
 .
);`

(NOTE: THE COLUMN SPECIFICATIONS ARE INSIDE () AND EACH IS FOLLOWED BY A , EXCEPT THE LAST)

Example of a create a table: `create table Product (
 pid int,
 name varchar(256),
 brand varchar(256),
 price int,
 color varchar(256),
 ratings float
);`