



Operation	Command
Display version	shell> mysqld --version mysql> SELECT VERSION();
Display configurations	shell> my_print_defaults mysqld
Display compile options	shell> mysqlbug
Connect to the server	shell> mysql -u user -p db1
Instance Operation	Command
Start MySQL Server	shell> mysqld_safe & shell> sudo /etc/init.d/mysql start # or service mysql start
Shutdown MySQL Server	shell> mysqladmin -uroot -p shutdown shell> sudo /etc/init.d/mysql stop # or service mysql stop
Show status	shell> mysqladmin status mysql> ls
Show system variables	mysql> SHOW GLOBAL VARIABLES;
Show stats variables	mysql> SHOW GLOBAL STATUS;
Show connected clients	mysql> SHOW [FULL] PROCESSLIST;
DB Operation	Command
List databases	mysql> SHOW DATABASES;
Create a database	mysql> CREATE DATABASE db1;
Change current database	mysql> USE db1

Table Operation	Command
List tables	mysql> SHOW [FULL] TABLES;
Show table information	mysql> SHOW TABLE STATUS [LIKE 'tab1'];
Display table definition	mysql> DESC tab1; mysql> SHOW CREATE TABLE tab1\G
Create a table	mysql> CREATE TABLE tab1 (columns...) ENGINE=storage_engine_name;
Modify a table	mysql> ALTER TABLE tab1 ...
Transaction Operation	Command
Disable autocommit	mysql> SET AUTOCOMMIT=0;
Start transaction explicitly	mysql> START TRANSACTION; mysql> BEGIN;
Execute SQL	mysql> SELECT ... *You can execute arbitrary SQLs
Commit	mysql> COMMIT;
Set a new savepoint	mysql> SAVEPOINT save_point_name;
Rollback	mysql> ROLLBACK;
Administrative Ops	Command
Write to a file	mysql> SELECT ... INTO OUTFILE 'file_name' ...;
Read from a file	mysql> SET @@character_set_database=binary; mysql> LOAD DATA INFILE 'file_name' INTO TABLE 'tab1';
Backup	shell> mysqldump [options] -B db1,db2 > dump.sql •--single-transaction: Snapshot using MVCC •--master-data=2: Show binlog info •--flush-logs: Rotate binlog and other logs
Restore	shell> mysql db1 < dump.sql
Defragmentation	mysql> OPTIMIZE TABLE tab1;
Update statistics	mysql> ANALYZE TABLE tab1;
Rotate logs	mysql> FLUSH LOGS;
Flush tables to disks	mysql> FLUSH TABLES [WITH READ LOCK];