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And there are other topics with more details which I directly copied here. I had no time to enlist them.

Basic Needs

Show all Databases

```
Show databases;
```

Show current Database

```
select database();
```

Show current time

```
Select now();
```

Clear Command Line screen

```
\! cls;
```

Exit the system

```
EXIT;
```

Database Management

Creating a Database

```
CREATE DATABASE
```

```
databasename;
```

Drop (Delete) a Database

```
DROP DATABASE databasename;
```

Change the current Database

```
Use database_name;
```

Access a database

```
mysql -u username -p database
```

DQL & DDL

Show all Tables of current database

```
show tables;
```

Show table structure (Describe)

```
Desc table_name;
```

Create a new Table

```
CREATE TABLE table (column  
VARCHAR(120), another-column  
DATETIME AUTO_INCREMENT);
```

Drop a Table

```
DROP TABLE table;
```

Adding a column

```
ALTER TABLE table ADD COLUMN  
column VARCHAR(120);
```

Describe Table

```
DESCRIBE table_name;
```

Describe Column

```
DESCRIBE table_name  
column_name;
```

Explain records

```
EXPLAIN SELECT * FROM table;
```

Select records containing 'value'

```
SELECT * FROM table WHERE  
[column] LIKE '%value%';
```

Select records starting with 'val' and ending with 'ue'

```
SELECT * FROM table WHERE  
column LIKE 'val_ue';
```

Select a range

```
SELECT * FROM table WHERE  
column BETWEEN value1 and  
value2;
```

Removing table columns

```
ALTER TABLE table DROP COLUMN  
column;
```

Select from multiple tables

```
SELECT table1.column,  
table1.another-column,  
table2.column FROM table1,  
table2;
```

Combine rows from different tables (JOIN)

```
SELECT * FROM table1 INNER  
JOIN table2 ON table1.column =  
table2.column;
```

Show total m results starting from nth

```
SELECT * FROM table ORDER BY ID  
LIMIT n-1,m
```

Mysql User Management

Create User

```
create user username@localhost  
identified by 'password';
```

Drop a User

```
DROP USER  
'username'@'localhost', 'userna  
me'@'localhost';
```

Switch User

```
SYSTEM mysql -u USERNAME -p;
```

Show User List

```
Select user from mysql.user;
```

Describe User Table

```
Desc mysql.user;
```

Show Current User

```
Select user();
```

or

```
Select current_user();
```

Change User Password

```
ALTER USER username@localhost  
IDENTIFIED BY 'newpass';
```

Data Control Language

Grant Block:

```
GRANT privilege_name(s) ON  
object TO  
user_account_name;
```

Show all the Grants

```
show grants;
```

Show grants for a user

```
SHOW GRANTS FOR  
username@localhost;
```

Global Grant all privilege

```
GRANT ALL ON  
database_name.table_name TO  
username@localhost;
```

(Use * for indicating ALL)

Database Grant privilege

```
GRANT ALL ON mydb.* TO  
john@localhost;
```

Revoke Block:

```
REVOKE privilege_name(s) ON  
object FROM  
user_account_name;
```

Revoke All Privilege:

```
REVOKE ALL, GRANT OPTION FROM  
john@localhost;
```

Views

Show all views of a table

```
SELECT TABLE_SCHEMA, TABLE_NAME,  
VIEW_DEFINITION  
FROM information_schema.VIEWS  
WHERE TABLE_SCHEMA LIKE  
'your_db_name';
```

Describe Views table

```
DESC VIEWS;
```

Create a new view

```
CREATE VIEW view_name AS  
query;
```

Show view of a table 2

```
SHOW FULL TABLES FROM | IN  
database_name WHERE table_type  
= 'VIEW';
```

Triggers

Creating a Trigger

```
CREATE TRIGGER trigger_name  
{BEFORE | AFTER} {INSERT |  
UPDATE | DELETE} ON table_name  
FOR EACH ROW trigger_body;
```

Show triggers

```
SHOW TRIGGERS {FROM | IN}  
database_name LIKE 'pattern' |  
WHERE search_condition];
```

Dropping a Trigger

```
DROP TRIGGER trigger_name;
```

TCL

Setting autocommit

```
SET autocommit = 0 | 1;
```

Start of a Transaction

```
START TRANSACTION;
```

Committing a Transaction

```
COMMIT;
```

Rollback

```
ROLLBACK;
```

Create a savepoint

```
SAVEPOINT savepoint_name;
```

Rollback to savepoint

```
ROLLBACK TO savepoint_name;
```

Database Role

Show all Roles

```
SELECT * FROM  
mysql.role_edges;
```

Create new Role

```
CREATE ROLE 'role_name',  
'role_name-2';
```

Drop a role

```
DROP ROLE role_name;
```

Grant privileges to a role

```
GRANT SELECT ON db_n.tb_n TO  
'role_name';
```

Grant roles to a user

```
GRANT role_name TO  
'user'@'localhost';
```

Show current role

```
SELECT CURRENT_ROLE();
```

Set current role

```
set role DELL_APP_RO;
```

Show grants for a role

```
show grants for role_name;
```

Revoke from a role

```
REVOKE  
SELECT,INSERT,UPDATE,DELETE ON  
db_n.tb_n FROM role_name;
```

Revoke a role from a user

```
REVOKE Role_name FROM  
'user_name'@'localhost'
```

Recursion

```
WITH RECURSIVE  
mytable(col_name) AS (  
    Subquery - base case  
    UNION  
    SELECT ... FROM mytable  
    WHERE ...  
)  
SELECT ... FROM mytable ... ;
```