MYSQL TERMINAL COMMANDS – COMPLETE CHEAT SHEET

1. Login / Exit

• mysql -u username -p # Login (you will be prompted for password)

• mysql -u root -p # Login as root

• exit; # Exit MySQL terminal

• quit; # Another way to exit

2. Show Databases / Use Database

SHOW DATABASES; # List all databases

USE database_name; # Select a database to use

3. Create / Drop Database

CREATE DATABASE school; # Create a database

DROP DATABASE school; # Delete a database

4. Show Tables

SHOW TABLES; # List all tables in current database

5. Create / Drop Table

CREATE TABLE students (

id INT AUTO_INCREMENT PRIMARY KEY,

name VARCHAR(50),

age INT,

city VARCHAR(50)

);

DROP TABLE students; # Delete a table

6. Insert / Select / Update / Delete

INSERT INTO students(name, age, city) VALUES ('Hari', 22, 'Chennai');

SELECT * FROM students;

SELECT name, city FROM students;

```
SELECT * FROM students WHERE age > 22;

UPDATE students SET city='Coimbatore' WHERE id=1;

DELETE FROM students WHERE id=1;
```

7. Filtering / Sorting

```
SELECT * FROM students WHERE city='Chennai';

SELECT * FROM students WHERE name LIKE 'H%';

SELECT * FROM students ORDER BY age DESC;
```

8. Aggregate Functions

```
SELECT COUNT(*) FROM students;

SELECT AVG(age) FROM students;

SELECT MIN(age), MAX(age) FROM students;

SELECT city, COUNT(*) FROM students GROUP BY city;
```

9. Index

```
CREATE INDEX idx_city ON students(city); # Create index

SHOW INDEX FROM students; # See indexes

DROP INDEX idx_city ON students; # Drop index
```

10. Triggers

```
CREATE TRIGGER trg_after_insert

AFTER INSERT ON students

FOR EACH ROW

BEGIN

INSERT INTO student_log(student_name, action)

VALUES (NEW.name, 'INSERT');

END;
```

11. Other Useful Commands

```
DESCRIBE students; # Show table structure
```

```sql
SHOW COLUMNS FROM students;

SHOW CREATE TABLE students;
```