

SQL DDL Commands – Cheat Sheet

1. CREATE – Create Database/Table

Examples:

```
CREATE DATABASE College;  
CREATE TABLE Student (  
    student_id INT PRIMARY KEY,  
    name VARCHAR(50) NOT NULL,  
    dob DATE,  
    email VARCHAR(100) UNIQUE  
);
```

2. ALTER – Modify Table Structure

Examples:

```
ALTER TABLE Student ADD phone VARCHAR(15);  
ALTER TABLE Student MODIFY name VARCHAR(100);  
ALTER TABLE Student RENAME COLUMN dob TO birth_date;  
ALTER TABLE Student DROP COLUMN phone;
```

3. DROP – Delete Table/Database

Examples:

```
DROP TABLE Student;  
DROP DATABASE College;
```

4. TRUNCATE – Remove All Rows, Keep Structure

Example:

```
TRUNCATE TABLE Student;
```

5. RENAME – Rename Table

Example:

```
RENAME TABLE Student TO Learner;
```

■ Summary Table

Command	Usage
CREATE	Create new database/table
ALTER	Modify table structure
DROP	Delete table/database permanently
TRUNCATE	Remove all rows, keep structure
RENAME	Rename a table