# **SQL (Structured Query Language)**

SQL হলো Database Management System (DBMS)-এর জন্য একটি standard programming language।

* **Insert** → ডেটা যোগ করা
* **Select/Read** → ডেটা দেখা
* **Update** → ডেটা পরিবর্তন
* **Delete** → ডেটা মুছে ফেলা

## **Database Commands**

### 1. Create Database

CREATE DATABASE SchoolDB;

USE SchoolDB;

### 2. Drop Database

DROP DATABASE SchoolDB;

### Create Table

CREATE TABLE log\_in (

ID int(11) NOT NULL,

NID int(16) NOT NULL,

Email varchar(20) NOT NULL,

Password varchar(20) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

### Drop Table

DROP TABLE log\_in;

### Truncate Table

TRUNCATE TABLE log\_in;

**Insert Single Record**

INSERT INTO log\_in (ID, NID, Email, Password)

VALUES (1, 1234567890, 'allllll@ggg.com', '1234567890');

### Insert Multiple Records

INSERT INTO log\_in (ID, NID, Email, Password) VALUES

(2, 1234567891, 'qwwwww@dddd.com', '1234567891'),

(3, 1234567890, 'allllll@ggg.com', '1234567890'),

(4, 1234567891, 'qwwwww@dddd.com', '1234567891'),

(5, 1234567890, 'allllll@ggg.com', '1234567890');

### Add Column

ALTER TABLE user\_info

ADD Mothers\_Name VARCHAR(20) NOT NULL AFTER Fathers\_Name;

### Rename Column

ALTER TABLE user\_info1

RENAME COLUMN Name TO Full\_Name;

### Modify Column

ALTER TABLE user\_info1

MODIFY COLUMN Address VARCHAR(100);