**Setup MySQL in LINUX**

sudo apt install mysql-server -y

sudo mysql

ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql\_native\_password BY 'Samarth';

FLUSH PRIVILEGES;

EXIT;

sudo mysql -u root -p

**-- Create the database if not already exists**

CREATE DATABASE IF NOT EXISTS crud\_app;

**-- Switch to the database**

USE crud\_app;

**-- Drop table if needed (optional safety cleanup)**

-- DROP TABLE IF EXISTS users;

**-- Create the `users` table with proper structure**

CREATE TABLE IF NOT EXISTS users (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(255) NOT NULL,

email VARCHAR(255) NOT NULL UNIQUE,

password VARCHAR(255) NOT NULL,

role ENUM('admin', 'viewer') NOT NULL DEFAULT 'viewer',

is\_active TINYINT(1) DEFAULT 1,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);