CREATE TABLE Employee ( EmployeeID INT AUTO\_INCREMENT PRIMARY KEY, FirstName VARCHAR(50) NOT NULL, LastName VARCHAR(50) NOT NULL, Email VARCHAR(100) UNIQUE NOT NULL, HireDate DATE NOT NULL );

Step 1: Create a new database schema

CREATE SCHEMA IF NOT EXISTS CompanyDB;

Step 2: Switch to the new schema

USE CompanyDB;

Step 3: Create a sample table in the schema

CREATE TABLE Employees ( EmployeeID INT AUTO\_INCREMENT PRIMARY KEY, FirstName VARCHAR(50) NOT NULL, LastName VARCHAR(50) NOT NULL, Email VARCHAR(100) UNIQUE NOT NULL, HireDate DATE NOT NULL );

Step 4: Create users

CREATE USER 'manager'@'localhost' IDENTIFIED BY 'ManagerPass123!';

CREATE USER 'developer'@'localhost' IDENTIFIED BY 'DevPass123!';

Step 5: Grant permissions to users

-- Grant full permissions to the 'manager' user

GRANT ALL PRIVILEGES ON CompanyDB.\* TO 'manager'@'localhost';

-- Grant limited permissions (SELECT, INSERT, UPDATE) to the 'developer' user

GRANT SELECT, INSERT, UPDATE ON CompanyDB.\* TO 'developer'@'localhost';

Step 6: Apply the changes to the permission table

FLUSH PRIVILEGES;

Step 7: Verify permissions (optional)

SHOW GRANTS FOR 'manager'@'localhost';

SHOW GRANTS FOR 'developer'@'localhost';

Step 8: Revoke permissions (example of revoking)

REVOKE UPDATE ON CompanyDB.\* FROM 'developer'@'localhost';

FLUSH PRIVILEGES;