1)CREATE DATABASE employee\_course\_db;

USE employee\_course\_db;

2)CREATE TABLE users (

id INT(11) AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100) UNIQUE NOT NULL,

password VARCHAR(255) NOT NULL,

email VARCHAR(150) UNIQUE NOT NULL,

role ENUM('admin', 'employee') NOT NULL,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

3)CREATE TABLE employees (

id INT(11) AUTO\_INCREMENT PRIMARY KEY,

user\_id INT(11) UNIQUE,

name VARCHAR(255) NOT NULL,

designation VARCHAR(150) NOT NULL,

department VARCHAR(100) NOT NULL,

pin\_no VARCHAR(50) UNIQUE,

dob DATE NOT NULL,

email VARCHAR(150) UNIQUE NOT NULL,

contact\_no VARCHAR(20) NOT NULL,

training\_status TEXT DEFAULT NULL,

training\_dates TEXT DEFAULT NULL,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

CONSTRAINT fk\_employee\_user FOREIGN KEY (user\_id) REFERENCES users(id) ON DELETE CASCADE

);

4)CREATE TABLE courses (

id INT(11) AUTO\_INCREMENT PRIMARY KEY,

course\_name VARCHAR(255) NOT NULL,

course\_description TEXT NOT NULL,

start\_date DATE NOT NULL,

end\_date DATE NOT NULL,

location VARCHAR(255) NOT NULL,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

5)CREATE TABLE applications (

id INT(11) AUTO\_INCREMENT PRIMARY KEY,

employee\_id INT(11) NOT NULL,

course\_id INT(11) NOT NULL,

status ENUM('pending', 'approved', 'rejected') DEFAULT 'pending',

applied\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

CONSTRAINT fk\_application\_employee FOREIGN KEY (employee\_id) REFERENCES employees(id) ON DELETE CASCADE,

CONSTRAINT fk\_application\_course FOREIGN KEY (course\_id) REFERENCES courses(id) ON DELETE CASCADE

);

**Create an Admin User (Manually or via Insert Query)**

INSERT INTO users (name, password, email, role)

VALUES ('admin', admin123 'admin@123, 'admin');

(Narendra Dholpuria, nd123, nd@123, employee);

(Sadeep Gupta, sd123, sd@123, employee);

**Link an Employee to a User (If Adding Employees Manually)**

INSERT INTO employees (user\_id, name, designation, department, pin\_no, dob, email, contact\_no, training\_status, training\_dates)

VALUES (2, 'Narendra Dholpuria', 'SAO-I ', 'Admin', '234567', '1990-05-15', 'nd@123', '9876543210', 'Agile Training, PMP Certification', '2022-05-10, 2023-09-20');

INSERT INTO employees (user\_id, name, designation, department, pin\_no, dob, email, contact\_no, training\_status, training\_dates)

VALUES (3, 'Sanndeep Gupta', 'STA B', 'HRD', '54321', '1988-12-10', 'sd@123', '9876543233',

'SQL Training, Data Visualization Workshop', '2022-08-15, 2023-07-10');