CREATE DATABASE GEMSEC;

USE GEMSEC;

CREATE TABLE IF NOT EXISTS employeeprofile (ID BIGINT GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY, address1 varchar(150), address2 varchar(150), city varchar(100), stateregion varchar(150), country varchar(150), phone varchar(150), cellphone varchar(150), sms int, email varchar(150), maritalstatus varchar(100), university1 varchar(150), university2 varchar(150), linkedinurl varchar(150), instagramurl varchar(150), vimeourl varchar(150), facebookurl varchar(150), googleurl varchar(150), companyid varchar(150), buid int, managerid int, regionid int, branchid int);

CREATE TABLE IF NOT EXISTS usergroups (ID BIGINT GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY, groupid varchar(150), groupdescription varchar(500), groupownerid int, groupcompanyid varchar(150));

CREATE TABLE IF NOT EXISTS certcompliance (ID BIGINT GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY, certificateid int, certificatename varchar(250), bu int, branchid int, managerid int, regionid int, companyid int, compliancedate date, warningdate date, warningacknowledged int, responsiblepartyid int);

CREATE TABLE IF NOT EXISTS userhelp (ID BIGINT GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY, ticketid varchar(100), emplid int, descr varchar(500), severity int, userid int,

email varchar(100), fullname varchar(100), bestcontactnumber varchar(100), replied varchar(150), repliedmanagerid varchar(150), repliedmanagerphone varchar(150), repliedmanageremail varchar(150), ticketdate date, responsedate date);

CREATE TABLE IF NOT EXISTS users (ID BIGINT GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY, firstname varchar(50), lastname varchar(50), username varchar(100), email varchar(100), employee int, employeeid varchar(100), microsoftid varchar(100), ncrid varchar(100), oracleid varchar(100), azureid varchar(100));

CREATE TABLE IF NOT EXISTS employees (ID BIGINT GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY, employeeid varchar(100), employeetenure varchar(50), employeestartdate date, employee\_returndate date, hrid varchar(100), hrsystemconstring varchar(250));

CREATE TABLE IF NOT EXISTS bu(ID BIGINT GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY, buname varchar(100), buhqaddress1 varchar(150), buhqaddress2 varchar(150), buhqcity varchar(100), buhqstate varchar(100), buhqpostal varchar(100));

CREATE TABLE IF NOT EXISTS certifications (ID BIGINT GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY, employee int, employeeid varchar(100), certname varchar(150), revision varchar(50), certdate date, revisedate date, bu int, comments varchar(1000));

CREATE TABLE IF NOT EXISTS userprofile(ID BIGINT GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY, address1 varchar(150), address2 varchar(150), city varchar(100), stateregion varchar(150), country varchar(150), phone varchar(150), cellphone varchar(150), sms int, email varchar(150), maritalstatus varchar(100), university1 varchar(150), university2 varchar(150), linkedinurl varchar(150), instagramurl varchar(150), vimeourl varchar(150), facebookurl varchar(150), googleurl varchar(150));

CREATE TABLE IF NOT EXISTS certrequirements(ID BIGINT GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY, certid int, learnid1 int, learnid2 int, learnid3 int, learnid4 int, learnid5 int);

CREATE TABLE IF NOT EXISTS learndetail (ID BIGINT GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY, description char(100), category char(50), startdate varchar(100), enddate varchar(100), certauthority varchar(100), status varchar(50));

CREATE TABLE IF NOT EXISTS resdetail (ID BIGINT GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY, description char(100), category char(50), startdate varchar(100), enddate varchar(100), certauthority varchar(100), status varchar(50));

CREATE TABLE IF NOT EXISTS gagridconfig (ID BIGINT GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY, regionid varchar(100), gridinstance int, nodeid int, nodename varchar(100), sqllocaltype varchar(100), nodedbms1 varchar(100), nodedbm1sid varchar(100), node1ip varchar(100), node1port varchar(10), nodedbms2 varchar(100), nodedbm2sid varchar(100), node2ip varchar(100), node2port varchar(10), nodedbms3 varchar(100), nodedbm3sid varchar(100), node3ip varchar(100), node3port varchar(10));

CREATE TABLE IF NOT EXISTS certcat(ID BIGINT GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY, description char(100), certtype int, vendor varchar(150), version varchar(150), endoflife int, enddate varchar(100), trainingid int);

CREATE TABLE IF NOT EXISTS certtype(ID BIGINT GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY, description char(100));

CREATE TABLE IF NOT EXISTS batch(ID BIGINT GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY, batchname varchar(150), filelocationpath varchar(200), batchtype int, batchstatus int);

CREATE TABLE IF NOT EXISTS batchtype(ID BIGINT GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY, batchtypename varchar(150));

CREATE TABLE IF NOT EXISTS stores (ID BIGINT GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY, description varchar(150), regionid int, bu int, address1 varchar(150), address2 varchar(150), city varchar(150), state varchar(150), zipcode varchar(150));

CREATE TABLE IF NOT EXISTS regions (ID BIGINT GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY, description varchar(150), bu int, hqaddress1 varchar(150), hqaddress2 varchar(150), hqcity varchar(150), hqstate varchar(150), hqzipcode varchar(150));

CREATE TABLE IF NOT EXISTS manager (ID BIGINT GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY, fullname varchar(150), emplid int, userid int, storeid int, saddress1 varchar(150), saddress2 varchar(150), scity varchar(150), sstate varchar(150), szipcode varchar(150));

CREATE TABLE IF NOT EXISTS apilogs (ID BIGINT GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY, descr varchar(500), emplid int, fullname varchar(150), logdate varchar(150), secpriority int, noccomments varchar(500), noc\_op\_id int, escalation\_id int, triagecasenumber varchar(200), apiurl varchar(150), apirequestdetail varchar(500));

CREATE TABLE IF NOT EXISTS userlogs (ID BIGINT GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY, descr varchar(500), emplid int, fullname varchar(150), logdate varchar(150), secpriority int, noccomments varchar(500), noc\_op\_id int, escalation\_id int, triagecasenumber varchar(200));

CREATE TABLE IF NOT EXISTS useractions (ID BIGINT GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY, userid int, description varchar(100), acknowledged int, actionpriority int);

CREATE TABLE IF NOT EXISTS usersessions (ID BIGINT GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY, userid int, token varchar(100), acknowledged int, actionpriority int, sessionstart date, sessionend date, sessionrecorded int, sessionrecordurl varchar(200));

CREATE TABLE IF NOT EXISTS learningmodules (ID BIGINT GENERATED BY DEFAULT AS IDENTITY PRIMARY KEY, cataloguesku varchar(250), description varchar(250), videourl varchar(500), author varchar(100), authorcomp int, authorcontact varchar(400), emprequired int, uisection int);

CREATE TABLE IF NOT EXISTS company (id int primary key, companyname varchar(100), dynamicsid varchar(100), ncralohaid varchar(100), oracleid varchar(100));

CREATE TABLE IF NOT EXISTS companyevents (id int, eventid varchar(150), description varchar(150), startdate date, enddate date);

// ALTERS

alter table employees add managerid int;

alter table employees add regionid int;

alter table employees add buid int;

alter table employees add storeid int;

alter table certifications add employeeidasinteger int;

alter table employees add companyid int;

alter table certifications add companyid int;

alter table company add CertAuthority varchar(150);

alter table users add profileurl varchar(150);

alter table certifications add certificationbloburl varchar(150);

alter table resdetail add location varchar(150);

alter table resdetail add emplid int;

alter table certifications add certlevel varchar(50);

alter table users add fullname varchar(200);

alter table users add role varchar(50);

alter table learndetail add emplid int;

alter table learndetail add employee int;

alter table learndetail add userid int;

alter table resdetail add userid int;

alter table resdetail add employee int;

alter table employees add fullname varchar(150);

alter table employees add userid int;

alter table employees add userprofileid int;

alter table certifications add userid int;

alter table certifications add fullname varchar(150);

alter table certifications add certype int;

alter table certcat add precursortraining1 int;

alter table certcat add precursortraining2 int;

alter table certcat add sku varchar(150);

alter table certcat add certlistcost float;

alter table certcat add certlistdiscountstd float;

alter table certcat add certlistdiscountvprate float;

alter table certcompliance add complianceid varchar(100);

alter table certcompliance add projectid varchar(100);

alter table certcompliance add customerid varchar(100);

alter table certcompliance add vendorid varchar(100);

alter table certifications add regionid int;

alter table certifications add managerid int;

alter table certifications add branchid int;

alter table users add iscertified int DEFAULT 0;

alter table users add default 0 for employee;

alter table users add default 'NA' for ncrid;

alter table users add default 'NA' for oracleid;

alter table users add default 'NA' for microsoftid;

alter table users add default 'XXX-XXX-XXX-XXXX' for BTN;

alter table employees add employeeidasint int;

alter table employees add EmployeeEmail varchar(150);

alter table employees add employee int;

alter table certifications add EmployeeEmail varchar(150);

alter table userprofile add university varchar(150);

alter table userprofile add title varchar(150);

alter table userprofile add pronoun varchar(150);

alter table userprofile add title2 varchar(150);

alter table userprofile add activepictureurl varchar(150);

alter table learndetail add fullname varchar(150);

alter table usersessions add sessiondescription varchar(100);

alter table usersessions add sessionusername varchar(100);

alter table usersessions add sessionemail varchar(150);

alter table usersessions add sessionfirstname varchar(150);

alter table usersessions add sessionlastname varchar(150);

alter table usersessions add sessionfullname varchar(150);

alter table employees add plainpassword varchar(50);

alter table employees add hashedpassword varchar(150);

alter table employees add passwordtype int;

alter table employees add token varchar(500);

alter table employees add tokenprovider varchar(500);

alter table users add groupid1 varchar(150);

alter table users add groupid2 varchar(150);

alter table users add groupid3 varchar(150);

alter table users add groupid4 varchar(150);

alter table users add groupid5 varchar(150);

alter table userprofile add companyid varchar(150);

alter table userprofile add buid int;

alter table userprofile add managerid int;

alter table userprofile add regionid int;

alter table userprofile add branchid int;

alter table employeeprofile add employeeid varchar(150);

alter table employees add btn varchar(150);

alter table employees add ncrid varchar(150);

alter table employees add alohaid varchar(150);

alter table employees add oracleid varchar(150);

alter table employees add azureid varchar(150);

alter table employees add profileurl varchar(150);

alter table employees add iscertified int;

alter table employees add groupid1 varchar(150);

alter table employees add groupid2 varchar(150);

alter table employees add groupid3 varchar(150);

alter table employees add groupid4 varchar(150);

alter table employees add groupid5 varchar(150);

alter table employees add firstname varchar(150);

alter table employees add lastname varchar(150);

alter table employees add username varchar(150);

alter table employeeprofile add userid int;

alter table employeeprofile add postalzip varchar(50);

alter table batch add batchstart date;

alter table batch add batchend date;

alter table batch add qtystart float;

alter table batch add qty

alter table resdetail add fullname varchar(150);

alter table users add userid int;

//TRIGGERS & CONSTRAINTS

UPDATE Certifications

SET companyid = 1

WHERE companyid IS NULL;

UPDATE Certifications

SET branchid = 1300

WHERE branchid IS NULL;

UPDATE Certifications

SET regionid = 1

WHERE regionid IS NULL;

UPDATE Certifications

SET managerid = 3

WHERE managerid IS NULL;

UPDATE Certifications

SET bu = 2

WHERE bu IS NULL;

ALTER TABLE employees

ADD CONSTRAINT df\_companyid DEFAULT 1 FOR companyid;

alter table users add companyid int;

ALTER TABLE users

ADD CONSTRAINT df1\_companyid DEFAULT 1 FOR companyid;

//SEED DATA

insert into certtype (description) values ('employee');

insert into certtype (description) values ('publicuser');

insert into batchtype (batchtypename) values ('userimport');

insert into batchtype (batchtypename) values ('certification catalogue');

insert into certtype (description) values ('network');

insert into certtype (description) values ('software development');

insert into certtype (description) values ('database');

insert into certtype (description) values ('project management');

insert into certtype (description) values ('cloud/hybrid');

insert into certcat( description, certtype, vendor, version) values ('CCNA', 1, 'Cisco Systems', '2025-2026V3');

insert into certcat( description, certtype, vendor, version) values ('CCDA', 1, 'Cisco Systems', '2025-2026V3');

insert into certcat( description, certtype, vendor, version) values ('CCNP', 1, 'Cisco Systems', '2025-2026V3');

insert into certcat( description, certtype, vendor, version) values ('CCDP', 1, 'Cisco Systems', '2025-2026V3');

insert into certcat( description, certtype, vendor, version) values ('AzureBasics', 5, 'Microsoft', '2024-2025V2');

insert into certcat( description, certtype, vendor, version) values ('AzureNetwork', 5, 'Microsoft', '2024-2025V2');

insert into certcat( description, certtype, vendor, version) values ('AzureMessaging', 5, 'Microsoft', '2024-2025V2');

insert into learningmodules (description) values ('SAP crystalreports');