POPULATING DATABASE FOR ELMASRI, NAVATHE

Create The Database Schema

Copy paste the following(warning that i have dropped the foreign key constraint for EMPLOYEE table)

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CREATE DATABASE navathe;
USE navathe;

CREATE TABLE EMPLOYEE
( Fname VARCHAR(15) NOT NULL , Minit CHAR , Lname
VARCHAR(15) NOT NULL ,Ssn CHAR(9) NOT NULL , Bdate DATE ,
Address VARCHAR(30) ,  Sex CHAR , Salary DECIMAL(10 , 2) ,
Super_ssn CHAR(9) , Dno INT NOT NULL , PRIMARY KEY (Ssn) );

CREATE TABLE DEPARTMENT ( Dname VARCHAR(15) NOT NULL ,
Dnumber INT NOT NULL , Mgr_ssn CHAR(9) NOT NULL ,
Mgr_start_date DATE , PRIMARY KEY (Dnumber) , UNIQUE (Dname) ,
FOREIGN KEY (Mgr_ssn) REFERENCES EMPLOYEE(Ssn) ) ;

CREATE TABLE DEPT_LOCATIONS
( Dnumber INT NOT NULL , Dlocation VARCHAR(15) NOT NULL
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,PRIMARY KEY (Dnumber , Dlocation) , FOREIGN KEY (Dnumber) REFERENCES DEPARTMENT(Dnumber)) ;

CREATE TABLE PROJECT (Pname VARCHAR(15) NOT NULL ,Pnumber INT NOT NULL , Plocation VARCHAR(15) ,Dnum INT NOT NULL , PRIMARY KEY (Pnumber) , UNIQUE (Pname) , FOREIGN KEY (Dnum) REFERENCES DEPARTMENT(Dnumber)) ;

CREATE TABLE WORKS_ON(Essn CHAR(9) NOT NULL , Pno INT NOT NULL , Hours DECIMAL(3 , 1) NOT NULL , PRIMARY KEY (Essn , Pno) , FOREIGN KEY (Essn) REFERENCES EMPLOYEE(Ssn) , FOREIGN KEY (Pno) REFERENCES PROJECT(Pnumber)) ;

CREATE TABLE DEPENDENT(Essn CHAR(9) NOT NULL , Dependent_name VARCHAR(15) NOT NULL , Sex CHAR , Bdate DATE ,Relationship VARCHAR(8) , PRIMARY KEY (Essn , Dependent_name) ,FOREIGN KEY(Essn) REFERENCES EMPLOYEE(Ssn)) ;

Populate database

INSERT INTO EMPLOYEE VALUES ("John", "B", "Smith", "123456789", "1965-01-09", "731 Fondren, Houston, TX", "M", "30000", "333445555", "5");
INSERT INTO EMPLOYEE VALUES ("Franklin", "T", "Wong", "333445555", "1955-12-08", "638 Voss, Houston, TX", "M", "40000", "888665555", "5");
INSERT INTO EMPLOYEE VALUES ("Alicia", "J", "Zelaya", "999887777", "1968-01-19", "3321 Castle, Spring, TX", "F", "25000", "987654321", "4");
INSERT INTO EMPLOYEE VALUES ("Jennifer", "S", "Wallace",

"987654321", "1941-06-20", "291 Berry, Bellaire, TX", "F", "43000", "888665555", "4");
INSERT INTO EMPLOYEE VALUES ("Ramesh", "K", "Narayan", "666884444", "1962-09-15", "975 Fire Oak, TX", "M", "38000", "333445555", "5");
INSERT INTO EMPLOYEE VALUES ("Joyce", "A", "English", "453453453", "1972-07-31", "5631 Rice, Houston, TX", "F", "25000", "333445555", "5");
INSERT INTO EMPLOYEE VALUES ("Ahmad", "V", "Jabbar", "987987987", "1969-03-29", "980 Dallas, Houston, TX", "M", "25000", "987654321", "4");
INSERT INTO EMPLOYEE VALUES ("James", "E", "Borg", "888665555", "1937-11-10", "450 Stone, Houston, TX", "M", "55000", "NULL", "1");

INSERT INTO DEPARTMENT VALUES ("Research", "5", "333445555", "1988-05-22");
INSERT INTO DEPARTMENT VALUES ("Administration", "4", "987654321", "1995-01-01");
INSERT INTO DEPARTMENT VALUES ("Headquarters", "1", "888665555", "1981-06-19");

INSERT INTO DEPT_LOCATIONS VALUES(1, "Houston");
INSERT INTO DEPT_LOCATIONS VALUES(4, "Stafford");
INSERT INTO DEPT_LOCATIONS VALUES(5, "Bellarie");
INSERT INTO DEPT_LOCATIONS VALUES(5, "Sugarland");
INSERT INTO DEPT_LOCATIONS VALUES(5, "Houston");

INSERT INTO PROJECT VALUES ("ProductX", "1", "Bellaire", "5");
INSERT INTO PROJECT VALUES ("ProductY", "2", "Sugarland", "5");
INSERT INTO PROJECT VALUES ("ProductZ", "3", "Houston", "5");
INSERT INTO PROJECT VALUES ("Computerization", "10", "Stafford",

"4");
INSERT INTO PROJECT VALUES ("Reorganization", "20", "Houston", "1");
INSERT INTO PROJECT VALUES ("Newbenefits", "30", "Stafford", "4");

INSERT INTO WORKS_ON VALUES ("123456789", "1", "32.5");
INSERT INTO WORKS_ON VALUES ("123456789", "2", "7.5");
INSERT INTO WORKS_ON VALUES ("666884444", "3", "40.0");
INSERT INTO WORKS_ON VALUES ("453453453", "1", "20.0");
INSERT INTO WORKS_ON VALUES ("453453453", "2", "20.0");
INSERT INTO WORKS_ON VALUES ("333445555", "2", "10.0");
INSERT INTO WORKS_ON VALUES ("333445555", "3", "10.0");
INSERT INTO WORKS_ON VALUES ("333445555", "10", "10.0");
INSERT INTO WORKS_ON VALUES ("333445555", "20", "10.0");
INSERT INTO WORKS_ON VALUES ("999887777", "30", "30.0");
INSERT INTO WORKS_ON VALUES ("999887777", "10", "10.0");
INSERT INTO WORKS_ON VALUES ("987987987", "10", "35.0");
INSERT INTO WORKS_ON VALUES ("987987987", "30", "5.0");
INSERT INTO WORKS_ON VALUES ("987654321", "30", "20.0");
INSERT INTO WORKS_ON VALUES ("987654321", "20", "15.0");
INSERT INTO WORKS_ON VALUES ("888665555", "20", "NULL");

INSERT INTO DEPENDENT VALUES ("333445555", "Alice", "F", "1986-04-05", "Daughter");
INSERT INTO DEPENDENT VALUES ("333445555", "Theodore", "M", "1983-10-25", "Son");
INSERT INTO DEPENDENT VALUES ("333445555", "Joy", "F", "1958-05-03", "Spouse");
INSERT INTO DEPENDENT VALUES ("987654321", "Abner", "M", "1942-02-28", "Spouse");
INSERT INTO DEPENDENT VALUES ("123456789", "Michael", "M",

"1988-01-04", "Son");
INSERT INTO DEPENDENT VALUES ("123456789", "Alice", "F", "1988-12-30", "Daughter");
INSERT INTO DEPENDENT VALUES ("123456789", "Elizabeth", "F", "1967-05-05", "Spouse");