

POPULATING DATABASE FOR ELMASRI, NAVATHE

Creating The Database Schema

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

```
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) );
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```
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) );
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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) ) ;
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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) ) ;
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```
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) ) ;
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```
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");
```

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INSERT INTO EMPLOYEE VALUES ("Franklin", "T", "Wong",  
"333445555", "1955-12-08", "638 Voss, Houston, TX", "M", "40000",  
"888665555", "5");
```

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INSERT INTO EMPLOYEE VALUES ("Alicia", "J", "Zelaya", "999887777",  
"1968-01-19", "3321 Castle, Spring, TX", "F", "25000", "987654321", "4");
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INSERT INTO EMPLOYEE VALUES ("Jennifer", "S", "Wallace",
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"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",
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"4");  
INSERT INTO PROJECT VALUES ("Reorganization", "20", "Houston",  
"1");  
INSERT INTO PROJECT VALUES ("Newbenefits", "30", "Stafford", "4");
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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",
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"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");