

Assignment 1 - Script

EMPLOYEES:

CREATE TABLE EMPLOYEES (

Employee_ID INTEGER Not Null,
Birth_Date DATE Not Null,
First_Name VARCHAR(20) Not Null,
Last_Name VARCHAR(30) Not Null,
Home_Street VARCHAR(30) Null,
Home_City VARCHAR(20) null,
Home_State VARCHAR(2) null,
Home_Zip VARCHAR(5) null,
Gender VARCHAR(1) Not null,
Hire_Date DATE Not null,

CONSTRAINT EmployeesPK Primary Key (Employee_ID),

CONSTRAINT EmployeeCH Check (Employee_ID between 0 and 99999999999),

CONSTRAINT GenderCH Check (Gender in ('M', 'F'))

);

DEPARTMENTS:

CREATE TABLE DEPARTMENTS (

Dept_No VARCHAR(4) Not null,
Dept_Name VARCHAR(40) Not Null,

Constraint DapartmentsPK Primary key (Dept_No)

);

DEPT_EMPL:

Create table DEPT_EMPL(
Employee_ID INTEGER Not null,
Dept_No VARCHAR(4) Not null,
From_Date DATE Not NULL,
To_Date DATE NULL,

CONSTRAINT DEPT_EMPL_PK Primary key (Employee_ID, Dept_No),

Constraint DEPT_EMPL_FK1 Foreign Key (Employee_ID)
REFERENCES EMPLOYEES (Employee_ID)
ON UPDATE NO ACTION
On Delete Cascade,

Constraint DEPT_EMPL_FK2 Foreign key (Dept_No)
References DEPARTMENTS(Dept_No)
ON UPDATE NO ACTION
On Delete Cascade,

CONSTRAINT Employee_ID_CH Check (Employee_ID between 0 and 99999999999),

);

DEPT_MANAGER:

Create table DEPT_MANAGER(
Dept_No VARCHAR(4) Not null,
Employee_ID INTEGER Not null,
From_Date DATE Not NULL,
To_Date DATE NULL,

CONSTRAINT DEPT_MANAGER_PK Primary key (Dept_No, Employee_ID),

Constraint DEPT_MANAGER_FK1 Foreign key (Dept_No)
References DEPARTMENTS(Dept_No)
ON UPDATE NO ACTION
On Delete Cascade,

Constraint DEPT_MANAGER_FK2 Foreign Key (Employee_ID)
REFERENCES EMPLOYEES (Employee_ID)
ON UPDATE NO ACTION
On Delete Cascade,

CONSTRAINT Employee_ID_CH1 Check (Employee_ID between 0 and 99999999999),);

SALARIES:

Create table SALARIES(

Employee_ID INTEGER Not null,
Salary INTEGER NOT NULL,
From_Date DATE Not NULL,
To_Date DATE NULL,

CONSTRAINT SALARIES_PK Primary key (Employee_ID, From_Date),

Constraint SALARIES_FK Foreign Key (Employee_ID)
REFERENCES EMPLOYEES (Employee_ID)
ON UPDATE NO ACTION
On Delete Cascade,

CONSTRAINT Employee_ID_CH2 Check (Employee_ID between 0 and 9999999999),

);

TITLES:

Create table TITLES(

Employee_ID INTEGER Not null,
Title VARCHAR(50) NOT NULL,
From_Date DATE Not NULL,
To_Date DATE NULL,

CONSTRAINT TITLES_PK Primary key (Employee_ID, Title, From_Date),

Constraint TITLES_FK Foreign Key (Employee_ID)
REFERENCES EMPLOYEES (Employee_ID)
ON UPDATE NO ACTION
On Delete Cascade,

CONSTRAINT Employee_ID_CH3 Check (Employee_ID between 0 and 9999999999),

);

INSERT EMPLOYEES:

```
INSERT INTO EMPLOYEES  
VALUES (01, '12/14/1987', 'John', 'Smith',  
'22 Rossview St.', 'Clarksville', 'TN', '37040', 'M', '02/16/2006');
```

```
INSERT INTO EMPLOYEES  
VALUES (022, '11/20/1977', 'Andrew', 'Jordan',  
'01 Robb St.', 'Clarksville', 'TN', '37040', 'M', '12/16/2008');
```

```
INSERT INTO EMPLOYEES  
VALUES (0333, '03/05/1978', 'Kayla', 'Burke',  
'312 College St.', 'Clarksville', 'TN', '37044', 'F', '02/02/2005');
```

```
INSERT INTO EMPLOYEES  
VALUES (04444, '10/03/1967', 'Mike', 'Johnson',  
'22 South St.', 'Clarksville', 'TN', '37044', 'M', '04/28/2006');
```

```
INSERT INTO EMPLOYEES  
VALUES (055555, '07/07/1988', 'Ashley', 'Portman',  
'01 Willma St.', 'Clarksville', 'TN', '37040', 'F', '04/14/2007');
```

INSERT DEPARTMENTS:

```
INSERT INTO DEPARTMENTS  
VALUES('D111', 'Shoes');
```

```
INSERT INTO DEPARTMENTS  
VALUES('D022', 'Clothes');
```

```
INSERT INTO DEPARTMENTS  
VALUES('D3', 'Socks');
```

```
INSERT INTO DEPARTMENTS  
VALUES('D123', 'Hats');
```

```
INSERT INTO DEPARTMENTS  
VALUES('D444', 'Basketballs');
```

INSERT DEPT_EMPL:

```
INSERT INTO DEPT_EMPL (Employee_ID, Dept_No, From_Date)
VALUES (1, 'D022', '02/16/2006');
```

```
INSERT INTO DEPT_EMPL (Employee_ID, Dept_No, From_Date)
VALUES (22, 'D123', '12/16/2008');
```

```
INSERT INTO DEPT_EMPL (Employee_ID, Dept_No, From_Date, To_Date)
VALUES (333, 'D3', '02/02/2005', '12/03/2014');
```

```
INSERT INTO DEPT_EMPL (Employee_ID, Dept_No, From_Date)
VALUES (4444, 'D444', '04/28/2006');
```

```
INSERT INTO DEPT_EMPL (Employee_ID, Dept_No, From_Date)
VALUES (55555, 'D111', '04/14/2007');
```

INSERT DEPT_MANAGER:

```
INSERT INTO DEPT_MANAGER (Dept_No, Employee_ID, From_Date)
VALUES ('D111', 22, '10/10/2010');
```

```
INSERT INTO DEPT_MANAGER (Dept_No, Employee_ID, From_Date)
VALUES ('D022', 4444, '04/17/2009');
```

```
INSERT INTO DEPT_MANAGER (Dept_No, Employee_ID, From_Date)
VALUES ('D123', 1, '02/20/2011');
```

```
INSERT INTO DEPT_MANAGER (Dept_No, Employee_ID, From_Date)
VALUES ('D3', 55555, '05/07/2012');
```

```
INSERT INTO DEPT_MANAGER (Dept_No, Employee_ID, From_Date, To_Date)
VALUES ('D444', 333, '12/26/2008', '10/10/2012');
```

INSERT SALARIES:

```
INSERT INTO SALARIES (Employee_ID, Salary, From_Date)
Values (1, 40000, '02/16/2006' );
```

```
INSERT INTO SALARIES (Employee_ID, Salary, From_Date)
Values (22, 50500, '12/16/2008');
```

```
INSERT INTO SALARIES (Employee_ID, Salary, From_Date)
Values (333, 30800, '02/02/2005');
```

```
INSERT INTO SALARIES (Employee_ID, Salary, From_Date)
Values (4444, 80800, '04/28/2006');
```

```
INSERT INTO SALARIES (Employee_ID, Salary, From_Date)
Values (4444, 40000, '04/14/2007');
```

INSERT TITLES:

```
INSERT INTO TITLES (Employee_ID, Title, From_Date)
VALUES (1, 'Junior Manager', '02/20/2011');
```

```
INSERT INTO TITLES (Employee_ID, Title, From_Date)
VALUES (22, 'Senior Advisor', '10/10/2010');
```

```
INSERT INTO TITLES (Employee_ID, Title, From_Date, To_Date)
VALUES (333, 'IT', '10/10/2012', '10/10/2012');
```

```
INSERT INTO TITLES (Employee_ID, Title, From_Date)
VALUES (4444, 'Senior Manager', '04/17/2009');
```

```
INSERT INTO TITLES (Employee_ID, Title, From_Date)
VALUES (55555, 'Security Manager', '05/07/2012');
```