**CREATE TABLES**

**-- EMPLOYEE TABLE**

CREATE TABLE employee(

emp\_id INT PRIMARY KEY,

fname VARCHAR(20) NOT NULL,

lname VARCHAR(20) NOT NULL,

bdate DATE,

sex VARCHAR(1),

salary INT,

super\_id INT,

branch\_id INT

)

**-- BRANCH TABLE**

CREATE TABLE branch(

branch\_id INT PRIMARY KEY,

branch\_name VARCHAR(20) NOT NULL,

mgr\_id INT,

mgr\_start\_date DATE,

FOREIGN KEY(mgr\_id) REFERENCES employee(emp\_id) ON DELETE SET NULL

)

**-- UPDATE EMPLOYEE TABLE**

ALTER TABLE employee

ADD FOREIGN KEY(branch\_id)

REFERENCES branch(branch\_id)

ON DELETE SET NULL

ALTER TABLE employee

ADD FOREIGN KEY(super\_id)

REFERENCES employee(emp\_id)

ON DELETE SET NULL

**-- CLIENT TABLE**

CREATE TABLE client(

client\_id INT PRIMARY KEY,

client\_name VARCHAR(20),

branch\_id INT,

FOREIGN KEY(branch\_id) REFERENCES branch(branch\_id) ON DELETE SET NULL

)

**-- WORKS\_WITH TABLE**

CREATE TABLE works\_with(

emp\_id INT,

client\_id INT,

total\_sales INT,

PRIMARY KEY(emp\_id, client\_id),

FOREIGN KEY(emp\_id) REFERENCES employee(emp\_id) ON DELETE CASCADE,

FOREIGN KEY(client\_id) REFERENCES client(client\_id) ON DELETE CASCADE

)

**-- BRANCH\_SUPPLIER TABLE**

CREATE TABLE branch\_supplier(

branch\_id INT,

supplier\_name VARCHAR(20),

supplier\_type VARCHAR(20),

PRIMARY KEY(branch\_id, supplier\_name),

FOREIGN KEY(branch\_id) REFERENCES branch(branch\_id) ON DELETE SET NULL

)