CREATE DATABASE company;

use company;

CREATE TABLE empoyee(

emp\_id int PRIMARY KEY,

fist\_name varchar(40),

last\_name varchar(40),

birth\_day DATE,

sex varchar(1),

salary INT,

super\_id INT,

branch\_id INT

);

CREATE TABLE branch(

branch\_id INT PRIMARY key,

branch\_name varchar(40),

mgr\_id INT,

mgr\_start\_date DATE,

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

);

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;

CREATE TABLE client(

client\_id INT PRIMARY KEY,

client\_name varchar(40),

branch\_id INT,

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

);

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

);

CREATE TABLE branch\_supplier(

branch\_id INT,

supplier\_name varchar(40),

supply\_type varchar(40),

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

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

);

INSERT INTO employee VALUES(100,'David','Wallace','1967-11-17','M', 250000,NULL,NULL);

INSERT INTO branch VALUES(1,'Corporate',100,'2006-02-09');

UPDATE employee

SET branch\_id=1 where emp\_id=100;

INSERT INTO employee VALUES(101,'Jan', 'Levinson','1906-05-11','F',110000,100,1);

INSERT INTO employee VALUES(102, 'Michael', 'Scott','1964-03-15','M',75000,100,NULL);

INSERT INTO branch VALUES(2,'Scranton',102,'1992-04-06');

UPDATE employee SET branch\_id=2 WHERE emp\_id=102;

INSERT INTO employee VALUES(103,'Angela','Martin','1971-06-25','F',63000,102,2);

INSERT INTO employee VALUES(104,'Kelly','Kapoor','1980-02-05','F',55000,102,2);

INSERT INTO employee VALUES(105,'Stanley','Hudson','1958-02-19','M',69000,102,2);

INSERT INTO employee VALUES(106,'Josh','Porter','1969-09-05','M',78000,100,Null);

INSERT INTO branch VALUES(3,'Stamford',106,'1998-02-13');

UPDATE employee SET branch\_id=2 WHERE emp\_id=106;

INSERT INTO employee VALUES(107,'Andy','Bernard','1973-07-22','M',65000,106,3);

INSERT INTO employee VALUES(108,'Jim','Halpert','1978-10-01','M',71000,106,3);

INSERT INTO branch\_supplier VALUES(2,'Hammer Mil','Paper');

INSERT INTO branch\_supplier VALUES(2,'Uni\_ball','Writing Utensils');

INSERT INTO branch\_supplier VALUES(3,'Patriot Paper','Paper');

INSERT INTO branch\_supplier VALUES(2,'J.T Forms & Labels','Custom Forms');

INSERT INTO branch\_supplier VALUES(3,'Uni\_ball','Writing Utensils');

INSERT INTO branch\_supplier VALUES(3,'Hammer Mill','Paper');

INSERT INTO branch\_supplier VALUES(3,'Stamford Lables','Custom Forms');

INSERT INTO client VALUES(400,'Dunmore Highschool',2);

INSERT INTO client VALUES(401,'Lackawana Country',2);

INSERT INTO client VALUES(402,'FedEx',3);

INSERT INTO client VALUES(403,'John Daly Law,LLC',3);

INSERT INTO client VALUES(404,'Scranton Whitepages',2);

INSERT INTO client VALUES(405,'Times Newspaper',3);

INSERT INTO client VALUES(406,'FedEx',2);

INSERT INTO works\_with VALUES(105,400,55000);

INSERT INTO works\_with VALUES(102,401,267000);

INSERT INTO works\_with VALUES(108,402,22500);

INSERT INTO works\_with VALUES(107,403,5000);

INSERT INTO works\_with VALUES(108,403,12000);

INSERT INTO works\_with VALUES(105,404,33000);

INSERT INTO works\_with VALUES(107,405,26000);

INSERT INTO works\_with VALUES(102,406,15000);

INSERT INTO works\_with VALUES(105,406,130000);