-- DROP SCHEMA project1;

CREATE SCHEMA project1 AUTHORIZATION postgres;

-- project1.employee definition

CREATE TABLE project1.employee (

employee\_id serial NOT NULL,

first\_name varchar NOT NULL,

last\_name varchar NOT NULL,

phone varchar NOT NULL,

manager\_id int4 NULL,

"type" varchar NOT NULL,

boss\_id int4 NULL,

CONSTRAINT employee\_pk PRIMARY KEY (employee\_id)

);

-- project1.employee foreign keys

ALTER TABLE project1.employee ADD CONSTRAINT employee\_fk FOREIGN KEY (manager\_id) REFERENCES project1.manager(manager\_id);

CREATE TABLE project1.employee\_hierarchy (

employee\_id int4 NOT NULL DEFAULT nextval('project1.hierarchy\_employee\_id\_seq'::regclass),

managers\_id int4 NOT NULL,

CONSTRAINT hierarchy\_pk PRIMARY KEY (employee\_id)

);

-- project1.employee\_hierarchy foreign keys

ALTER TABLE project1.employee\_hierarchy ADD CONSTRAINT employee\_hierarchy\_fk FOREIGN KEY (employee\_id) REFERENCES project1.employee(employee\_id) ON UPDATE CASCADE ON DELETE CASCADE;

CREATE TABLE project1.login (

email varchar NOT NULL,

"password" varchar NOT NULL,

employee\_id int4 NULL,

CONSTRAINT login\_pk PRIMARY KEY (email)

);

-- project1.login foreign keys

ALTER TABLE project1.login ADD CONSTRAINT login\_fk FOREIGN KEY (employee\_id) REFERENCES project1.employee(employee\_id) ON UPDATE CASCADE ON DELETE CASCADE;

CREATE TABLE project1.manager (

manager\_id serial NOT NULL,

first\_name varchar NOT NULL,

last\_name varchar NOT NULL,

CONSTRAINT manager\_pk PRIMARY KEY (manager\_id)

);

CREATE TABLE project1.reimbursement (

request\_id serial NOT NULL,

employee\_id int4 NOT NULL,

manager\_id int4 NOT NULL,

status varchar NOT NULL,

amount float8 NOT NULL,

"date" timestamp(0) NOT NULL,

CONSTRAINT reimbursement\_pk PRIMARY KEY (request\_id)

);