-- ben's pizza business schema

CREATE DATABASE pizza\_ben;

CREATE TABLE "orders" (

"row\_id" int NOT NULL,

"order\_id" varchar(10) NOT NULL,

"created\_at" date NOT NULL,

"quantity" int NOT NULL,

"delivery" boolean NOT NULL,

"cust\_id" int NOT NULL,

"add\_id" int NOT NULL,

"item\_id" varchar(15) NOT NULL,

PRIMARY KEY (row\_id)

);

CREATE TABLE "customers" (

"customer\_id" int NOT NULL,

"customer\_first\_name" varchar(50) NOT NULL,

"customer\_last\_name" varchar(50) NOT NULL,

PRIMARY KEY(customer\_id)

);

CREATE TABLE "address" (

"address\_id" int NOT NULL,

"delivery\_address1" varchar(200) NOT NULL,

"delivery\_address2" varchar(200) NOT NULL,

"delivery\_city" varchar(50) NOT NULL,

"delivery\_zipcode" varchar(20) NOT NULL,

PRIMARY KEY(address\_id)

);

CREATE TABLE "items" (

"item\_id" varchar(15) NOT NULL,

"item\_sku" varchar(50) NOT NULL,

"item\_name" varchar(100) NOT NULL,

"item\_category" varchar(100) NOT NULL,

"item\_size" varchar(20) NOT NULL,

"item\_price" decimal(10,2) NOT NULL,

PRIMARY KEY(item\_id)

);

CREATE TABLE "recipe" (

"row\_id" int NOT NULL,

"recipe\_id" varchar(40) NOT NULL,

"ing\_id" varchar(15) NOT NULL,

"quantity" int NOT NULL,

PRIMARY KEY(row\_id)

);

CREATE TABLE "ingredients" (

"ing\_id" varchar(10) NOT NULL,

"ing\_name" varchar(20) NOT NULL,

"ing\_weight" int NOT NULL,

"ing\_measurements" varchar(10) NOT NULL,

"ing\_price" decimal(5,20) NOT NULL,

PRIMARY KEY(ing\_id)

);

CREATE TABLE "inventory" (

"inv\_id" int NOT NULL,

"item\_id" varchar(15) NOT NULL,

"quantity" int NOT NULL,

PRIMARY KEY(inv\_id)

);

CREATE TABLE "rotations" (

"row\_id" int NOT NULL,

"rota\_id" varchar(15) NOT NULL,

"date" date NOT NULL,

"shift\_id" varchar(15) NOT NULL,

"staff\_id" varchar(15) NOT NULL,

PRIMARY KEY(row\_id)

);

CREATE TABLE "staff" (

"staff\_id" varchar(20) NOT NULL,

"first\_name" varchar(50) NOT NULL,

"last\_name" varchar(50) NOT NULL,

"position" varchar(50) NOT NULL,

"hourly\_rate" decimal(5,2) NOT NULL,

PRIMARY KEY(staff\_id)

);

CREATE TABLE "shifts" (

"shift\_id" varchar(15) NOT NULL,

"day\_of\_week" varchar(10) NOT NULL,

"start\_time" time NOT NULL,

"end\_time" time NOT NULL,

PRIMARY KEY(shift\_id)

);

ALTER TABLE "orders" ADD FOREIGN KEY ("cust\_id") REFERENCES "customers" ("customer\_id");

ALTER TABLE "orders" ADD FOREIGN KEY ("add\_id") REFERENCES "address" ("address\_id");

ALTER TABLE "orders" ADD FOREIGN KEY ("item\_id") REFERENCES "items" ("item\_id");

-- error

ALTER TABLE "recipe" ADD FOREIGN KEY ("recipe\_id") REFERENCES "items" ("item\_sku");

ALTER TABLE "recipe" ADD FOREIGN KEY ("ing\_id") REFERENCES "ingredients" ("ing\_id");

-- error

ALTER TABLE "inventory" ADD FOREIGN KEY ("item\_id") REFERENCES "recipe" ("ing\_id");

-- error

ALTER TABLE "rotations" ADD FOREIGN KEY ("date") REFERENCES "orders" ("created\_at");

ALTER TABLE "rotations" ADD FOREIGN KEY ("shift\_id") REFERENCES "shifts" ("shift\_id");

ALTER TABLE "rotations" ADD FOREIGN KEY ("staff\_id") REFERENCES "staff" ("staff\_id");