--

-- 7 entity tables:

-- HUB, PRODUCER, SCHOOL, FOOD\_ITEM, VOLUNTEER, VOLUNTEER\_ROLE,PURCHASE\_ORDER

--

CREATE TABLE HUB (

hub\_id SERIAL PRIMARY KEY,

hub\_name TEXT,

hub\_address TEXT,

hub\_city TEXT,

hub\_state VARCHAR(2),

hub\_zip VARCHAR(5),

hub\_hours TEXT,

hub\_contact\_name TEXT,

hub\_contact\_phone TEXT,

hub\_contact\_email TEXT,

hub\_dry\_capacity TEXT,

hub\_ref\_capacity TEXT,

hub\_dry\_availability DECIMAL(0,2),

hub\_ref\_availability DECIMAL(0,2)

)

CREATE TABLE PRODUCER (

pro\_id SERIAL PRIMARY KEY,

pro\_name TEXT,

pro\_email TEXT,

pro\_phone TEXT,

pro\_address TEXT,

pro\_city TEXT,

pro\_state VARCHAR(2),

pro\_zip VARCHAR(5),

pro\_description TEXT

);

CREATE TABLE SCHOOL (

sch\_id SERIAL PRIMARY KEY,

sch\_name TEXT,

sch\_email TEXT,

sch\_phone TEXT,

sch\_address TEXT,

sch\_city TEXT,

sch\_state VARCHAR(2),

sch\_zip VARCHAR(5)

);

CREATE TABLE FOOD\_ITEM (

fi\_id SERIAL PRIMARY KEY,

fi\_name TEXT,

fi\_description TEXT,

fi\_macro TEXT,

fi\_quantity INT,

fi\_cost\_per\_quantity DECIMAL(10,2),

fi\_date\_harvested DATE,

fi\_est\_expiration DATE,

);

CREATE TABLE VOLUNTEER (

vol\_id SERIAL PRIMARY KEY,

vol\_name TEXT,

vol\_email TEXT,

vol\_phone TEXT,

);

CREATE TABLE VOLUNTEER\_ROLE (

vrol\_id SERIAL PRIMARY KEY,

vrol\_name TEXT,

vrol\_description TEXT,

vrole\_days TEXT,

vrole\_start\_time TIME,

vrole\_end\_time TIME,

);

CREATE TABLE PURCHASE\_ORDER (

pur\_id SERIAL PRIMARY KEY,

pur\_date DATE,

pur\_quantity INT,

pur\_total\_price DECIMAL(10,2),

fi\_id INT REFERENCES FOOD\_ITEM(fi\_id),

);

-- Update the pur\_total\_price in the PURCHASE\_ORDER table

UPDATE PURCHASE\_ORDER

SET pur\_total\_price = pur\_quantity \* fi\_cost\_per\_quantity

FROM FOOD\_ITEM

WHERE PURCHASE\_ORDER.fi\_id = FOOD\_ITEM.fi\_id;

--

-- 7 relationship tables:

-- SCHOOL\_PURCHASE\_ORDER, HUB\_PRODUCER, HUB\_SCHOOL,

-- HUB\_VOLUNTEER\_ROLE, PRODUCER\_FOOD\_ITEM, VOLUNTEER\_VOLUNTEER\_ROLE, HUB\_FOOD\_ITEM

--

CREATE TABLE SCHOOL\_PURCHASE\_ORDER (

sch\_id INT REFERENCES SCHOOL(sch\_id),

pur\_id INT REFERENCES PURCHASE\_ORDER(pur\_id),

PRIMARY KEY (sch\_id, pur\_id)

);

CREATE TABLE HUB\_PRODUCER (

hub\_id INT REFERENCES HUB(hub\_id),

pro\_id INT REFERENCES PRODUCER(pro\_id),

PRIMARY KEY (hub\_id, pro\_id)

);

CREATE TABLE HUB\_SCHOOL (

hub\_ID INT REFERENCES HUB(hub\_id),

sch\_id INT REFERENCES SCHOOL(sch\_id),

PRIMARY KEY (hub\_id, sch\_id)

);

CREATE TABLE HUB\_VOLUNTEER\_ROLE (

hub\_id INT REFERENCES HUB(hub\_id),

role\_id INT REFERENCES VOLUNTEER(role\_id),

PRIMARY KEY (hub\_id, role\_id)

);

CREATE TABLE PRODUCER\_FOOD\_ITEM (

pro\_id INT REFERENCES PRODUCER(pro\_id),

fi\_id INT REFERENCES FOOD\_ITEM(fi\_id),

PRIMARY KEY (pro\_id, fi\_id)

);

CREATE TABLE HUB\_FOOD\_ITEM (

hub\_id INT REFERENCES HUB(hub\_id)

fi\_id INT REFERENCES FOOD\_ITEM(fi\_id),

PRIMARY KEY (hub\_id, fi\_id)

);

CREATE TABLE VOLUNTEER\_VOLUNTEER\_ROLE (

vrol\_id INT REFERENCES VOLUNTEER(vrol\_id),

role\_id INT REFERENCES VOLUNTEER\_ROLE(role\_id),

PRIMARY KEY (vrol\_id, role\_id)

);