**Lesson 23 Cíntia Domingos**

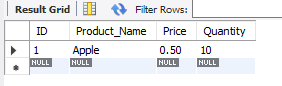
**Beet Seed**

**1.**

SELECT \*

FROM Shopping\_List

WHERE Product\_name LIKE 'a%';



**4.**

SELECT Shopping\_List.Product\_name

FROM Shopping\_List

INNER JOIN Fridge

ON Shopping\_List.ID = Fridge.Product\_ID;

**Beet Sprout**

**2.**

SELECT Shopping\_list.Product\_name, Shopping\_list.ID

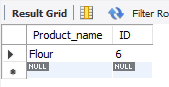
FROM Shopping\_list

WHERE Shopping\_list.ID NOT IN (SELECT Shopping\_List.ID

FROM Shopping\_list

JOIN Fridge

ON Shopping\_list.ID = Fridge.Product\_ID);



**Mighty Beet**

**2.**

CREATE TABLE Orders(

Order\_ID INT PRIMARY KEY AUTO\_INCREMENT,

Product\_ID INT,

Item\_ID INT,

Date DATE,

Quantity INT

);

**3.**

INSERT INTO Orders(Product\_ID, Item\_ID, Date, Quantity)

VALUES (NULL, NULL, 2024-03-02, 10),

(NULL, NULL, 2024-05-03, 15);

**4.**

ALTER TABLE Orders

ADD FOREIGN KEY (Product\_ID) REFERENCES Shopping\_list.ID

ADD FOREIGN KEY (Item\_ID) REFERENCES Fridge.Item\_ID;

**5.**

INSERT INTO Orders (Product\_ID, Item\_ID, Date, Quantity)

SELECT Shopping\_list.ID, Fridge.Item\_ID, CURRENT\_DATE(), Shopping\_list.Quantity

FROM Shopping\_list

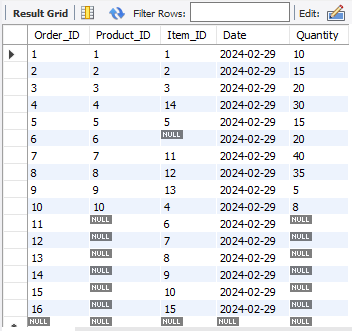
LEFT OUTER JOIN Fridge ON Shopping\_list.ID = Fridge.Product\_ID

UNION

SELECT Shopping\_list.ID, Fridge.Item\_ID, CURRENT\_DATE(), Shopping\_list.Quantity

FROM Fridge

LEFT OUTER JOIN Shopping\_List ON Shopping\_list.ID = Fridge.Product\_ID;



**6.**

SELECT Order\_ID, Orders.Product\_ID, Product\_name, Date, Expiration\_Date

FROM Orders

INNER JOIN Fridge

ON Fridge.Product\_ID = Orders.Product\_ID

WHERE Orders.Product\_ID <> 'NULL' /\* this selects only what's in the shopping list, i.e., has a Product\_ID (ID in the shopping\_list table) \*/

AND Expiration\_date < Orders.Date;

