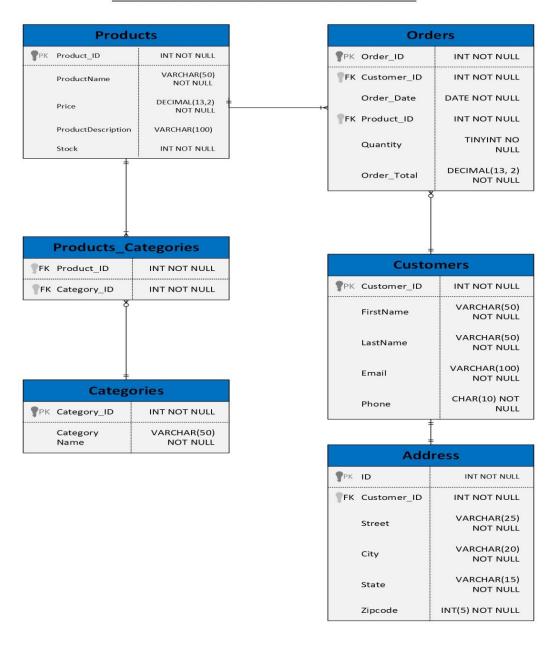
# **Phyiscal Model**

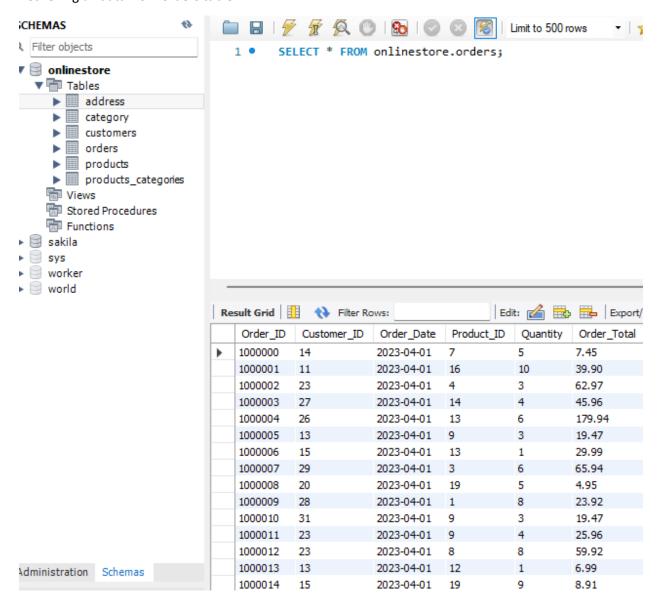
## ONLINE GROCERY STORE PHYSICAL MODEL



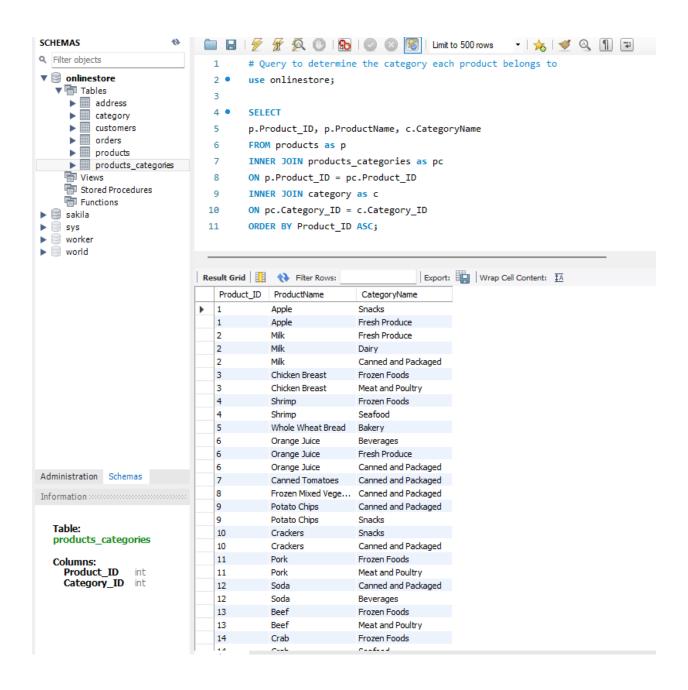
#### **Tables Creation**

```
SCHEMAS
                               🚞 🖫 | 🐓 🙀 🧖 🕛 | 🚱 | 💿 🔞 | Limit to 500 rows
                                                                                         🕶 | 🏡 | 🥩 🔍 👖 🖃
Q Filter objects
                                       USE onlinestore;
▼ 🗐 onlinestore
                                       -- creating products table
                                 2
   ▼ 🖶 Tables
                                 3 • ⊖ CREATE TABLE products (
     ▶ ■ address
                                 4
                                       Product_ID INT(5) NOT NULL PRIMARY KEY,
     ▶ a category
     ▶ ■ customers
                                       ProductName VARCHAR(50) NOT NULL,
     ▶ ■ products
                                       Price DECIMAL(13,2) NOT NULL,
                                 6
     products_categories
                                 7
                                       ProductDescription VARCHAR(100),
     Views
                                       Stock INT(7) NOT NULL
     Tored Procedures
                                 8
    Functions
                                 9
sakila
                                       -- creating products_categories table
                                10
▶ ■ sys
▶ 🗐 worker
                                11 • ⊖ CREATE TABLE products_categories (
▶ ■ world
                                       Product_ID INT(5) NOT NULL,
                                12
                                13
                                       Category_ID INT(5) NOT NULL,
                                14
                                       FOREIGN KEY (Category_ID) REFERENCES category(Category_ID),
                                       FOREIGN KEY (Product_ID) REFERENCES products(Product_ID)
                                15
                                16
                                       );
                                17
                                        -- creating customers table
                                18 • ⊖ CREATE TABLE customers(
                                       Customer_ID INT NOT NULL PRIMARY KEY,
                                19
                                20
                                       FirstName VARCHAR(50) NOT NULL,
                                       LastName VARCHAR (50) NOT NULL,
                                21
                                       Email VARCHAR(100) NOT NULL,
                                22
                                23
                                       Phone CHAR(12) NOT NULL
                                24
                                        -- creating address table
                                25
                                26 • ⊝ CREATE TABLE address(
Administration Schemas
                                       ID INT NOT NULL PRIMARY KEY,
                                27
Information :::
                                28
                                       Customer ID INT NOT NULL,
                                29
                                       Street VARCHAR(35) NOT NULL,
  Table: products
                                30
                                       City VARCHAR(20) NOT NULL,
  Columns:
                                       State VARCHAR(15) NOT NULL,
                                31
    Product_ID
                      int PK
                                32
                                       Zipcode INT(5) NOT NULL,
    ProductName
                      varchar(!
                      decimal(
                                       FOREIGN KEY (Customer ID) REFERENCES customers(Customer ID)
                                33
    ProductDescription
                      varchar(
                                34
    Stock
                      int
```

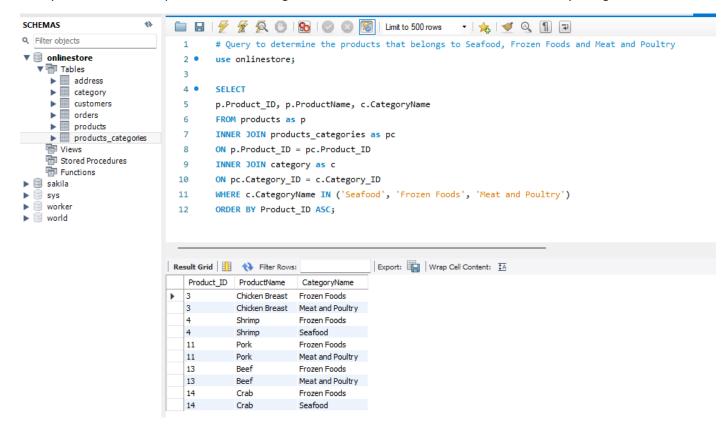
# Retrieving all data from orders table



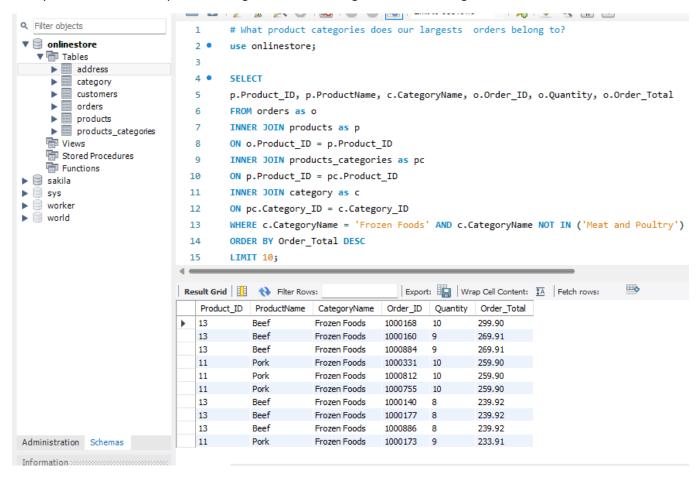
Query to determine the category each product belongs to



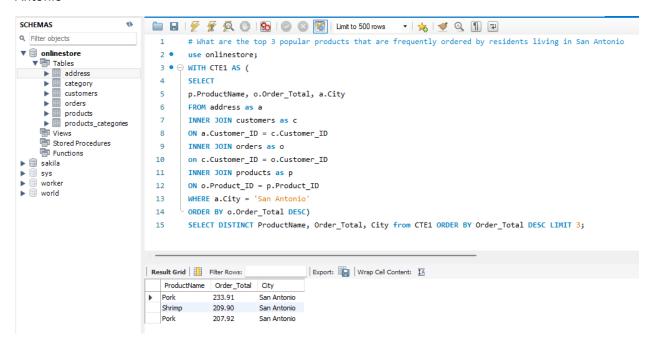
Query to determine the products that belong to Seafood, Frozen Foods and Meat and Poultry categories.



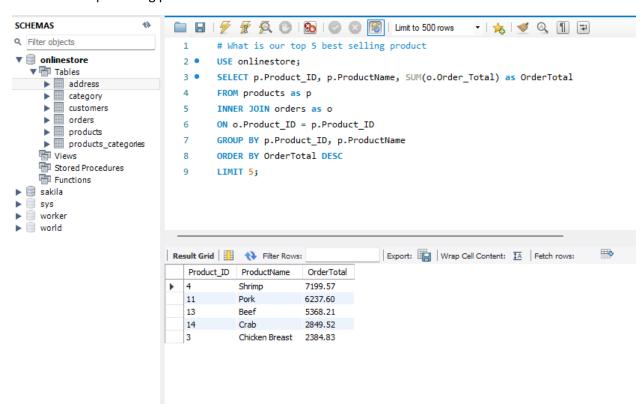
Query to determine what product categories does the largests orders belongs to.



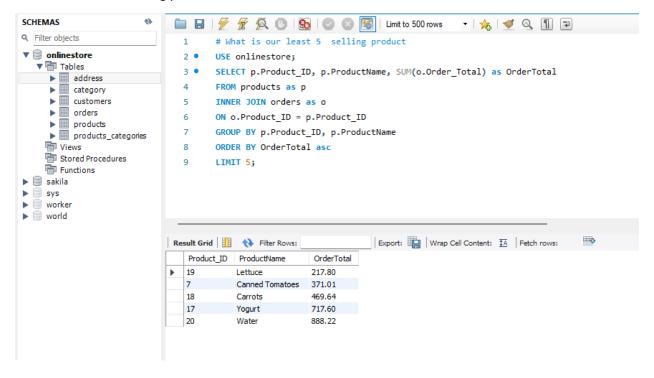
Query to determine the top 3 popular products that are frequently ordered by residents living in San Antonio



## What is the top 5 selling products?



# What is the least 5 selling product?

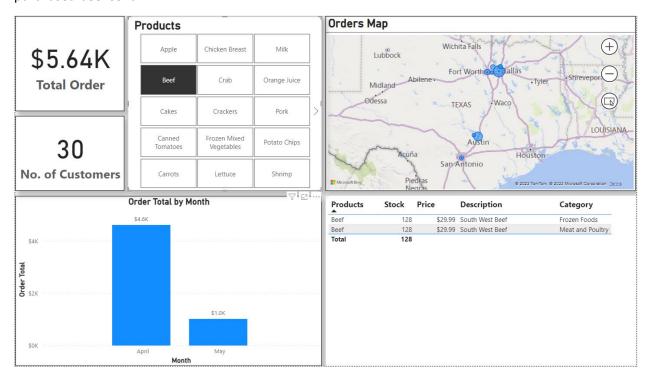


#### **Data Visualizations**

Power BI Dashboard with different visualizations showing Products slicer, Total Order generated so far, number of customers and column chart of order per month.



Dashboard showing number of sales made by Beef product and number of customers who have purchased beef so far



## Visualization of daily orders made in the month of April



# Visualization of orders made by customers living in San Antonio

