1. List all customers and the products they ordered with the order date. (Inner join)

Tables used: customers, orders, order details, products

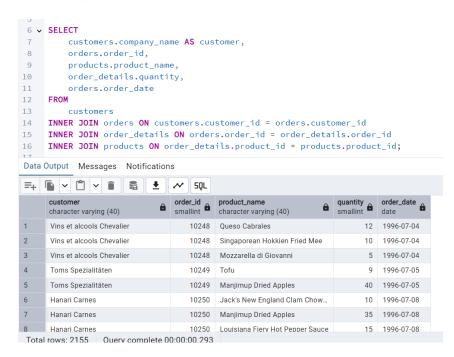
Output should have below columns:

companyname AS customer,

orderid,

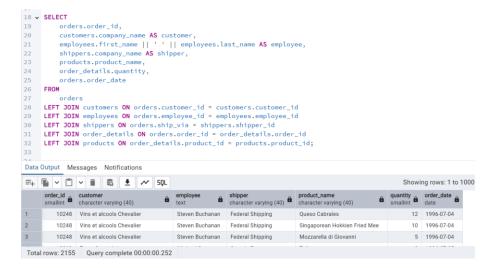
productname,

quantity, orderdate



2. Show each order with customer, employee, shipper, and product info — even if some parts are missing. (Left Join

Tables used: orders, customers, employees, shippers, order_details, products



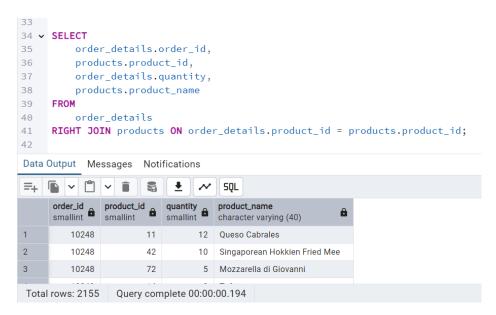
3. Show all order details and products (include all products even if they were never ordered). (Right Join)

Tables used: order_details, products

Output should have below columns:

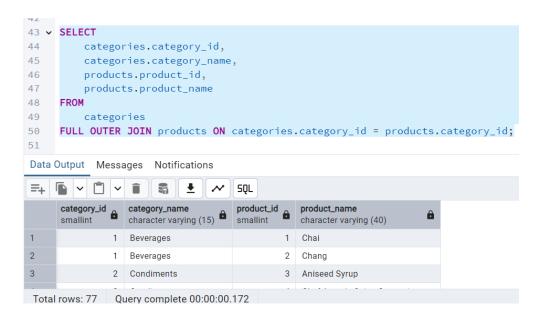
orderid, productid, quantity,

productname

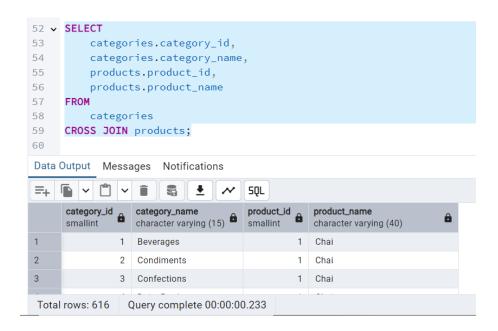


4. List all product categories and their products — including categories that have no products, and products that are not assigned to any category.(Outer Join)

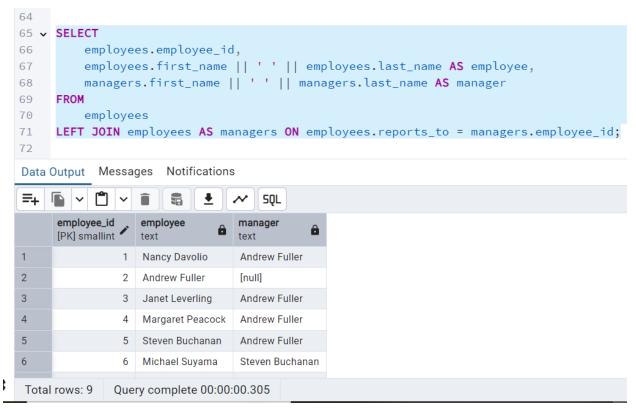
Tables used: categories, products



5. Show all possible product and category combinations (Cross join).



6. Show all employees and their manager(Self join(left join))



7. List all customers who have not selected a shipping method.

Tables used: customers, orders

(Left Join, WHERE o.shipvia IS NULL)

```
12
73 SELECT
           customers.customer_id,
74
           customers.company_name AS customer,
75
76
           o.order_id
77
      FROM
78
          customers
      LEFT JOIN orders AS o ON customers.customer_id = o.customer_id
79
80
      WHERE
      o.ship_via IS NULL;
81
82
83
84
Data Output Messages Notifications
=+
                                        SQL
      customer_id
                          customer
                                                       order_id
                                                       smallint •
      character varying (5)
                          character varying (40)
       PARIS
                          Paris spécialités
                                                            [null]
2
       FISSA
                          FISSA Fabrica Inter. Salchichas S.A.
                                                            [null]
 Total rows: 2
                Query complete 00:00:00.111
```