1. Find all customers who had a package on that truck at the time of the crash

SELECT TRANSPORT.TRANSPORT\_ID, CUSTOMER.CUST\_ID, PACKAGE.PACKAGE\_TYPE

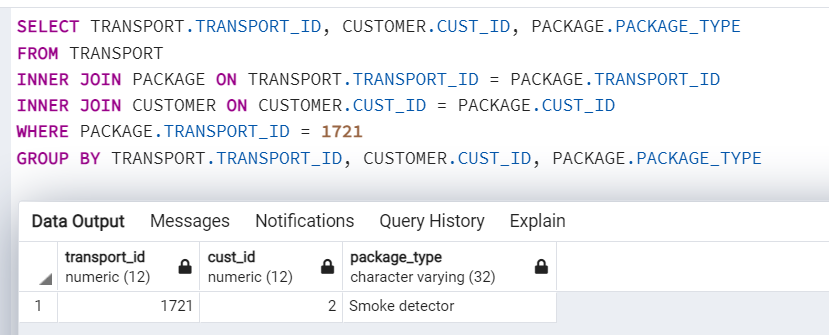
FROM TRANSPORT

INNER JOIN PACKAGE ON TRANSPORT.TRANSPORT\_ID = PACKAGE.TRANSPORT\_ID

INNER JOIN CUSTOMER ON CUSTOMER.CUST\_ID = PACKAGE.CUST\_ID

WHERE PACKAGE.TRANSPORT\_ID = 1721

GROUP BY TRANSPORT.TRANSPORT\_ID, CUSTOMER.CUST\_ID, PACKAGE.PACKAGE\_TYPE



1. Find the customer who has shipped the most packages in the past year

SELECT CUSTOMER.CUST\_ID, CUSTOMER.FNAME, CUSTOMER.LNAME, COUNT(PACKAGE.PACKAGE\_ID) AS NUMBER\_OF\_PACKAGES

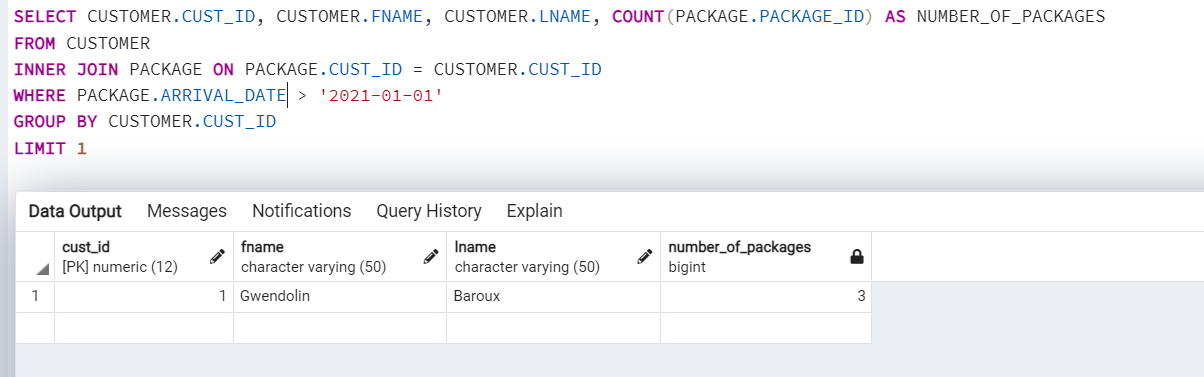
FROM CUSTOMER

INNER JOIN PACKAGE ON PACKAGE.CUST\_ID = CUSTOMER.CUST\_ID

WHERE PACKAGE.ARRIVAL\_DATE > '2021-01-01'

GROUP BY CUSTOMER.CUST\_ID

ORDER BY NUMBER\_OF\_PACKAGES DESC

LIMIT 1

1. Find the customer who has spent the most money on shipping in the past year.

SELECT CUSTOMER.CUST\_ID, SUM(PACKAGE.PRICE) AS TOTAL\_PRICE

FROM CUSTOMER

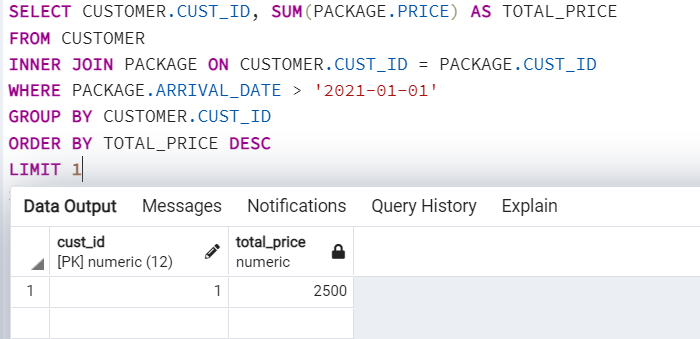
INNER JOIN PACKAGE ON CUSTOMER.CUST\_ID = PACKAGE.CUST\_ID

WHERE PACKAGE.ARRIVAL\_DATE > '2021-01-01'

GROUP BY CUSTOMER.CUST\_ID

ORDER BY TOTAL\_PRICE DESC

LIMIT 1



1. Find the street with the most customers

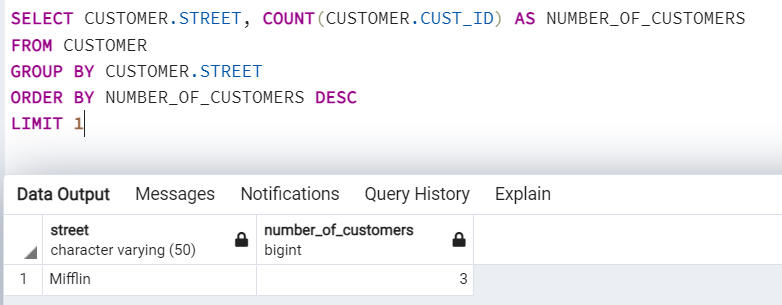
SELECT CUSTOMER.STREET, COUNT(CUSTOMER.CUST\_ID) AS NUMBER\_OF\_CUSTOMERS

FROM CUSTOMER

GROUP BY CUSTOMER.STREET

ORDER BY NUMBER\_OF\_CUSTOMERS DESC

LIMIT 1



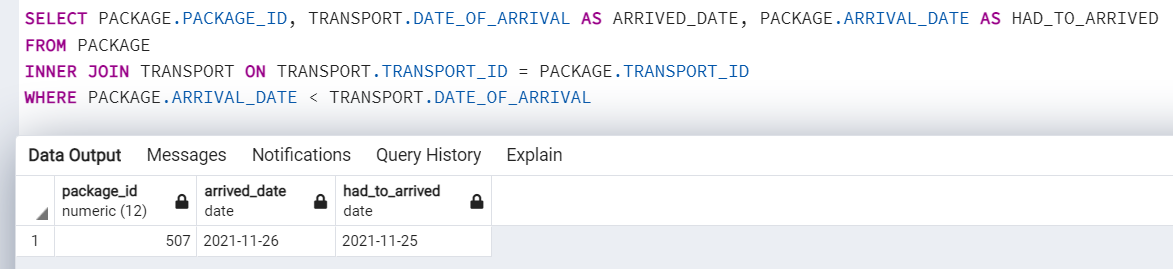
1. Find those packages that were not delivered within the promised time

SELECT PACKAGE.PACKAGE\_ID, TRANSPORT.DATE\_OF\_ARRIVAL AS ARRIVED\_DATE, PACKAGE.ARRIVAL\_DATE AS HAD\_TO\_ARRIVED

FROM PACKAGE

INNER JOIN TRANSPORT ON TRANSPORT.TRANSPORT\_ID = PACKAGE.TRANSPORT\_ID

WHERE PACKAGE.ARRIVAL\_DATE < TRANSPORT.DATE\_OF\_ARRIVAL



1. A simple bill: customer, address, and amount owed

SELECT CUSTOMER.CUST\_ID, CUSTOMER.CITY, CUSTOMER.STREET, CUSTOMER.HOME, BILL.AMOUNT\_OWED

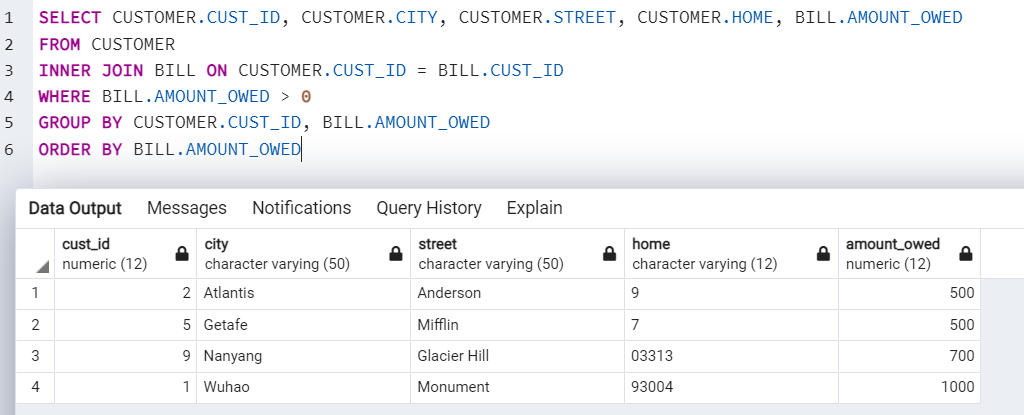
FROM CUSTOMER

INNER JOIN BILL ON CUSTOMER.CUST\_ID = BILL.CUST\_ID

WHERE BILL.AMOUNT\_OWED > 0

GROUP BY CUSTOMER.CUST\_ID, BILL.AMOUNT\_OWED

ORDER BY BILL.AMOUNT\_OWED



1. A bill listing charges by type of service.

SELECT BILL.BILL\_ID, PACKAGE.PACKAGE\_ID, PACKAGE.PACKAGE\_TYPE, PACKAGE.PRICE

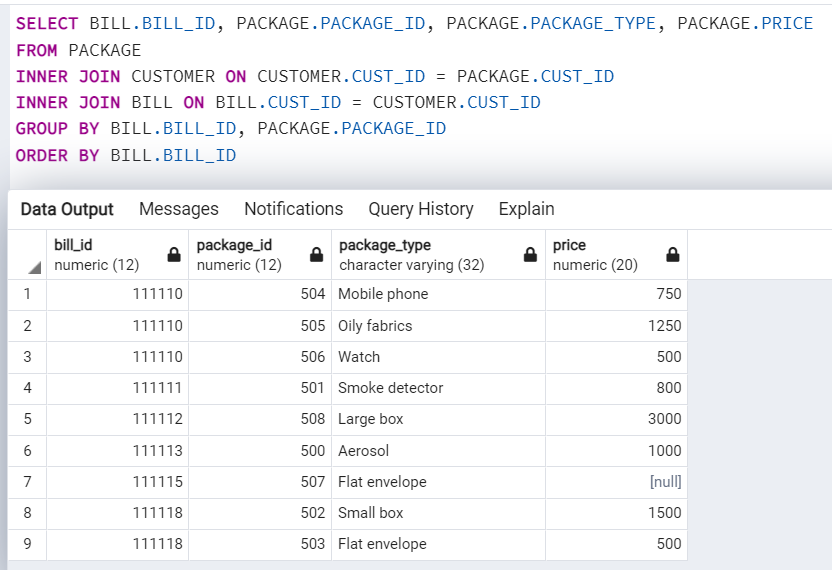
FROM PACKAGE

INNER JOIN CUSTOMER ON CUSTOMER.CUST\_ID = PACKAGE.CUST\_ID

INNER JOIN BILL ON BILL.CUST\_ID = CUSTOMER.CUST\_ID

GROUP BY BILL.BILL\_ID, PACKAGE.PACKAGE\_ID

ORDER BY BILL.BILL\_ID



1. An itemize billing listing each individual shipment and the charges for it

SELECT PACKAGE.PACKAGE\_ID, PACKAGE.PRICE

FROM PACKAGE

INNER JOIN CUSTOMER ON CUSTOMER.CUST\_ID = PACKAGE.CUST\_ID

GROUP BY PACKAGE\_ID

ORDER BY PACKAGE\_ID

