

1.

select customers.name, customers.city

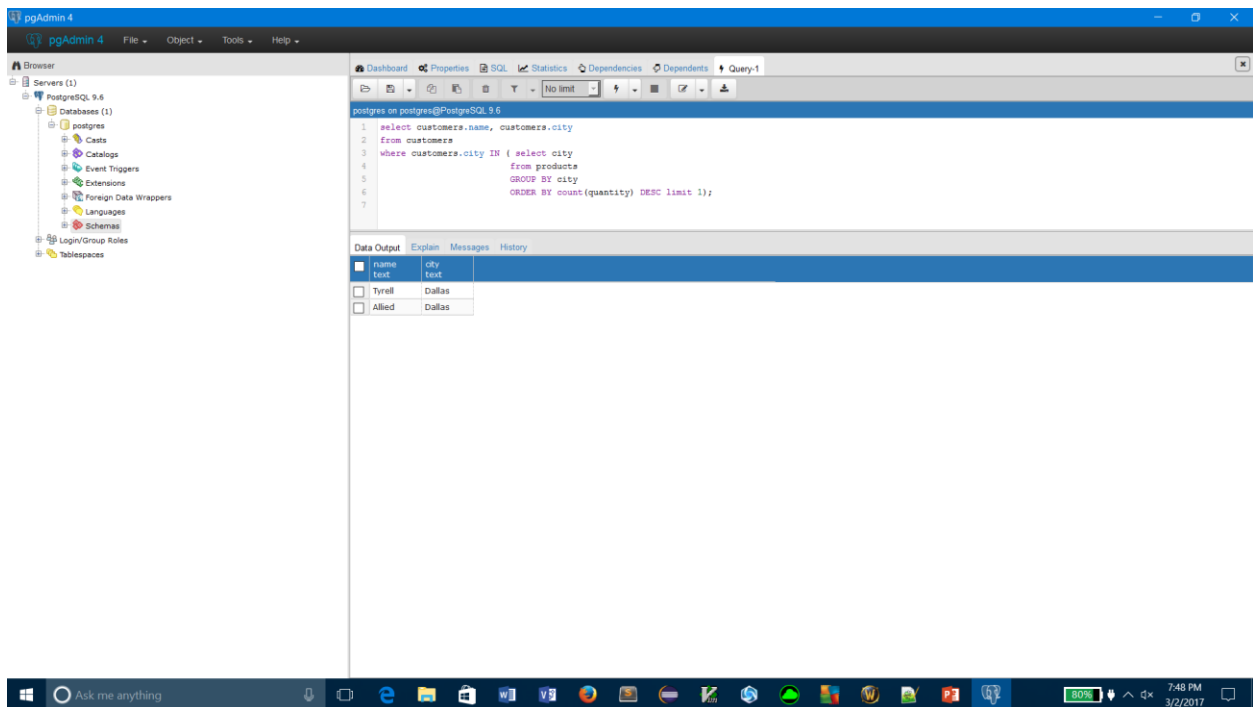
from customers

where customers.city IN (select city

from products

GROUP BY city

ORDER BY count(quantity) DESC limit 1);



2.

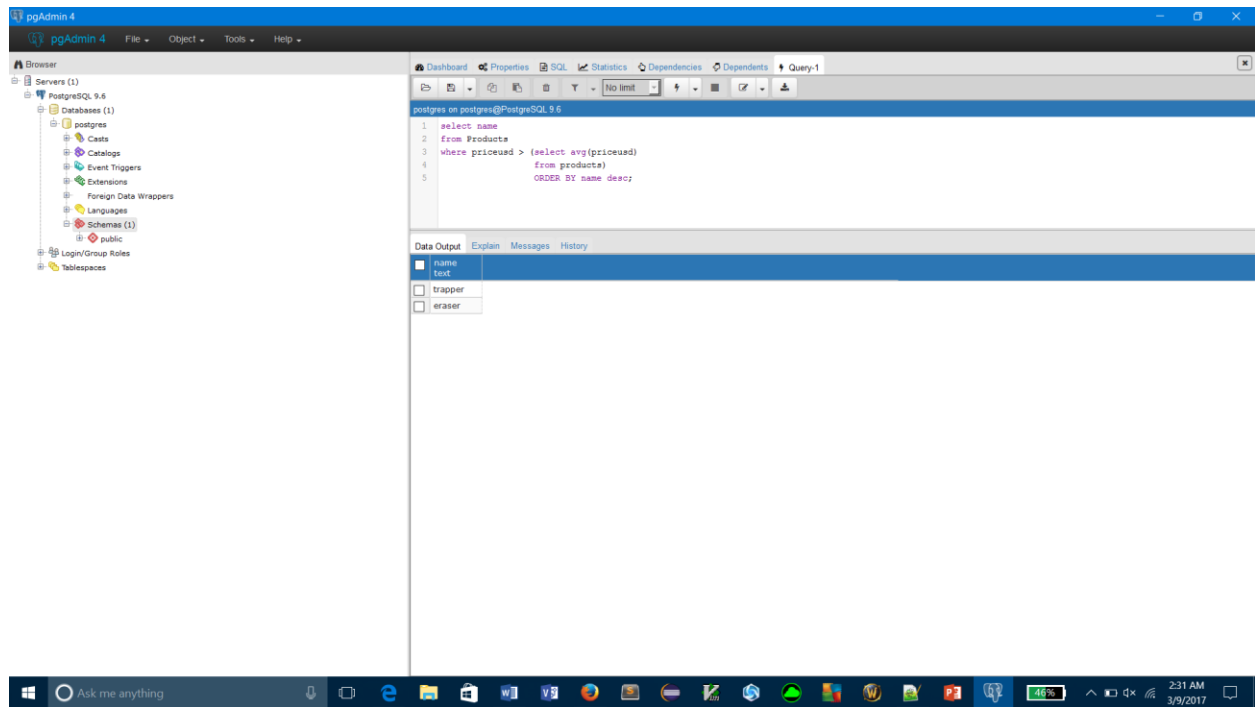
select name

from Products

where priceusd > (select avg(priceusd)

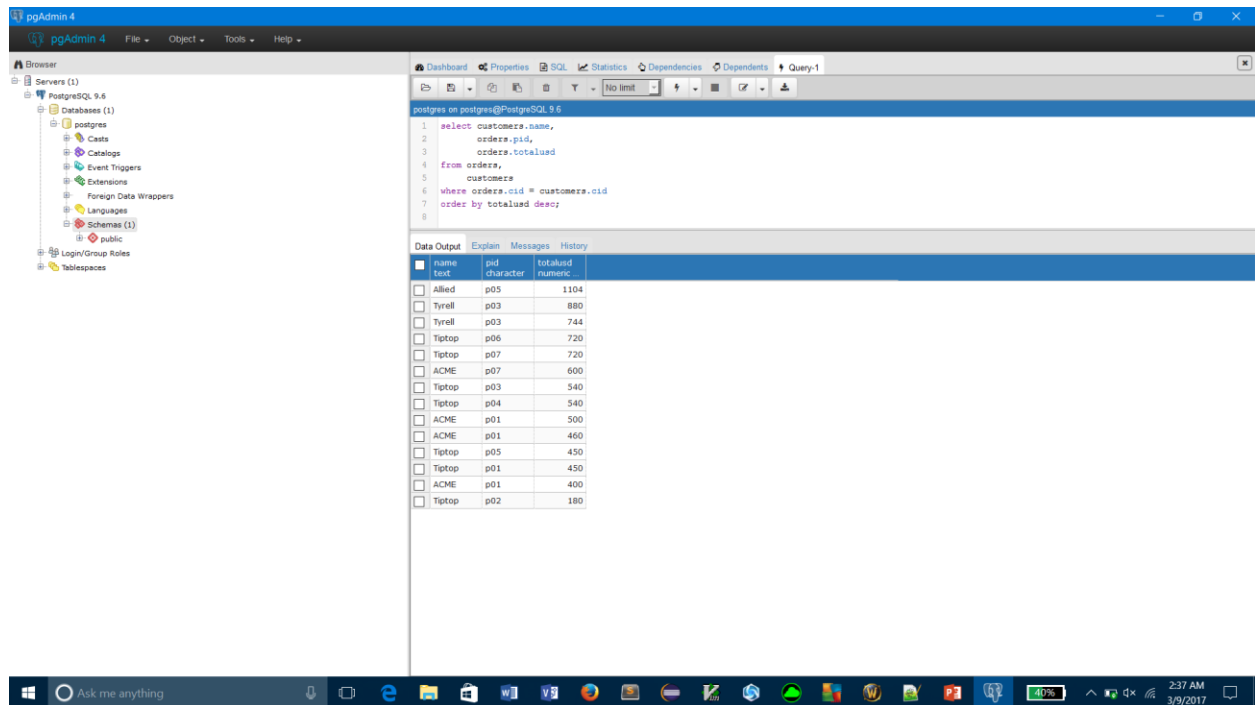
from products)

ORDER BY name desc;



3.

```
select customers.name,
       orders.pid,
       orders.totalusd
from orders,
       customers
where orders.cid = customers.cid
order by totalusd desc;
```



4.

select customers.name,

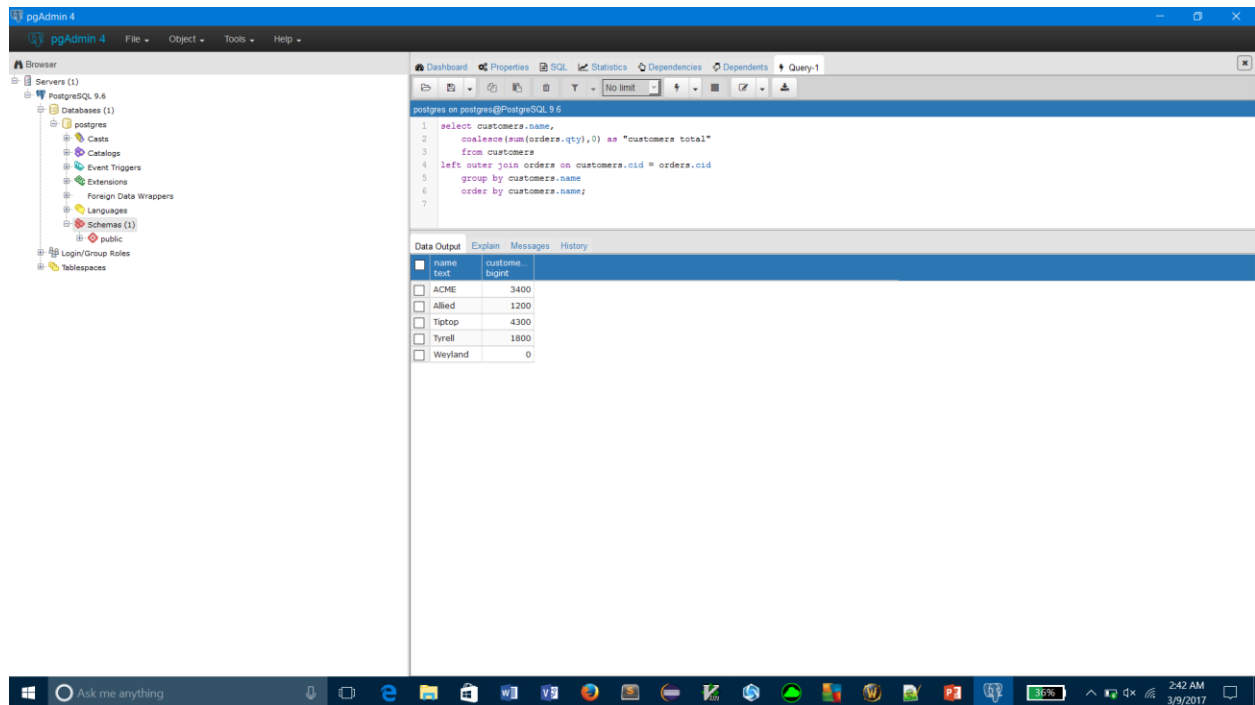
coalesce(sum(orders.qty),0) as "customers total"

from customers

left outer join orders on customers.cid = orders.cid

group by customers.name

order by customers.name;



5. select customers.name,

products.name,

agents.name

from

6.

select *

from orders,

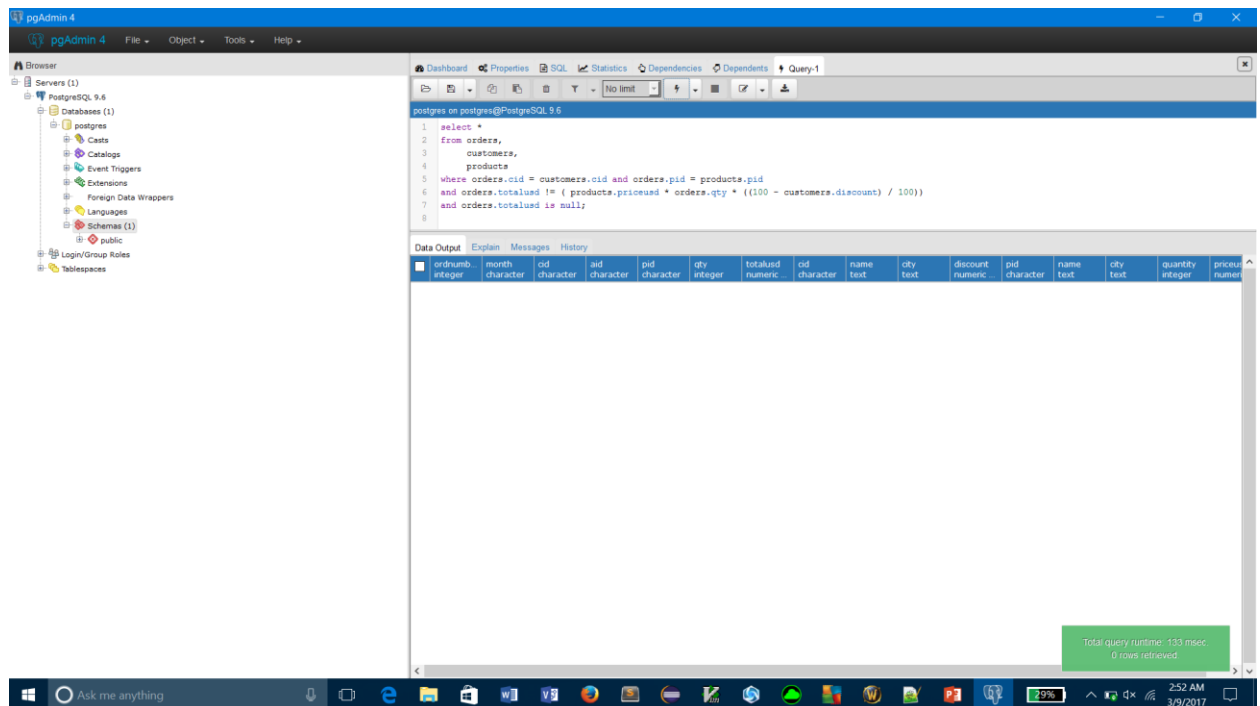
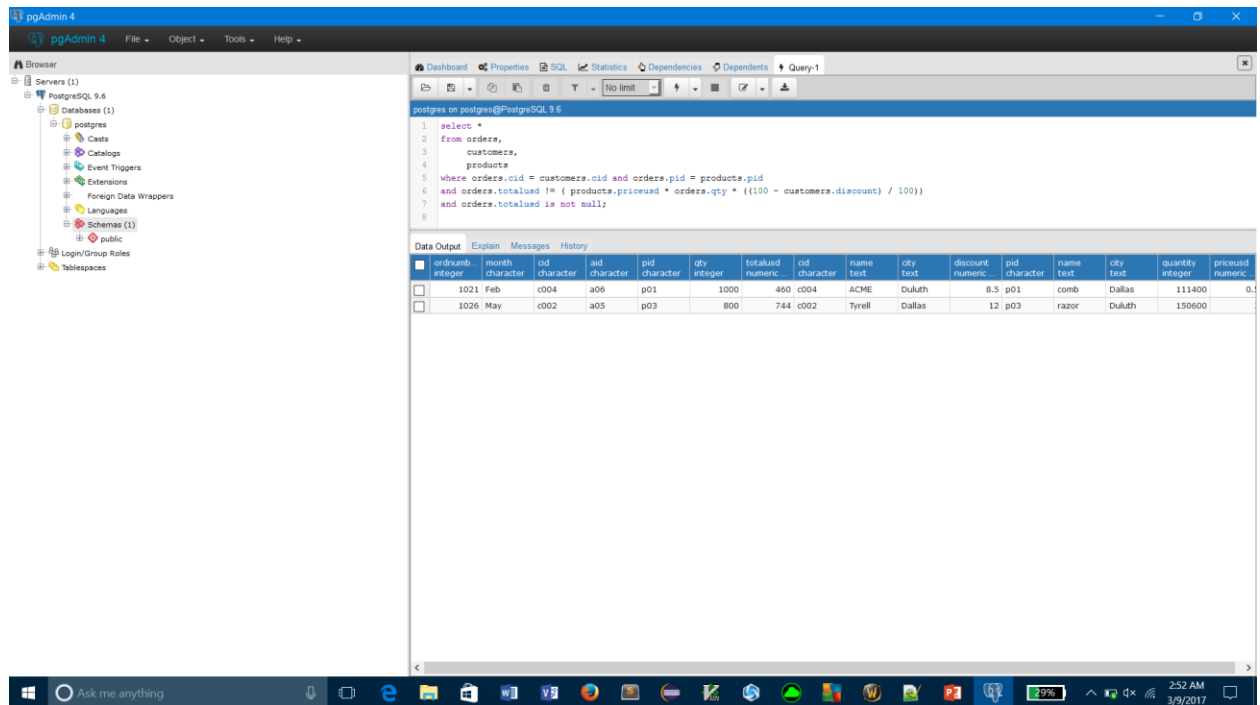
customers,

products

where orders.cid = customers.cid and orders.pid = products.pid

and orders.totalusd != (products.priceusd * orders.qty * ((100 - customers.discount) / 100))

and orders.totalusd is not null;



7.

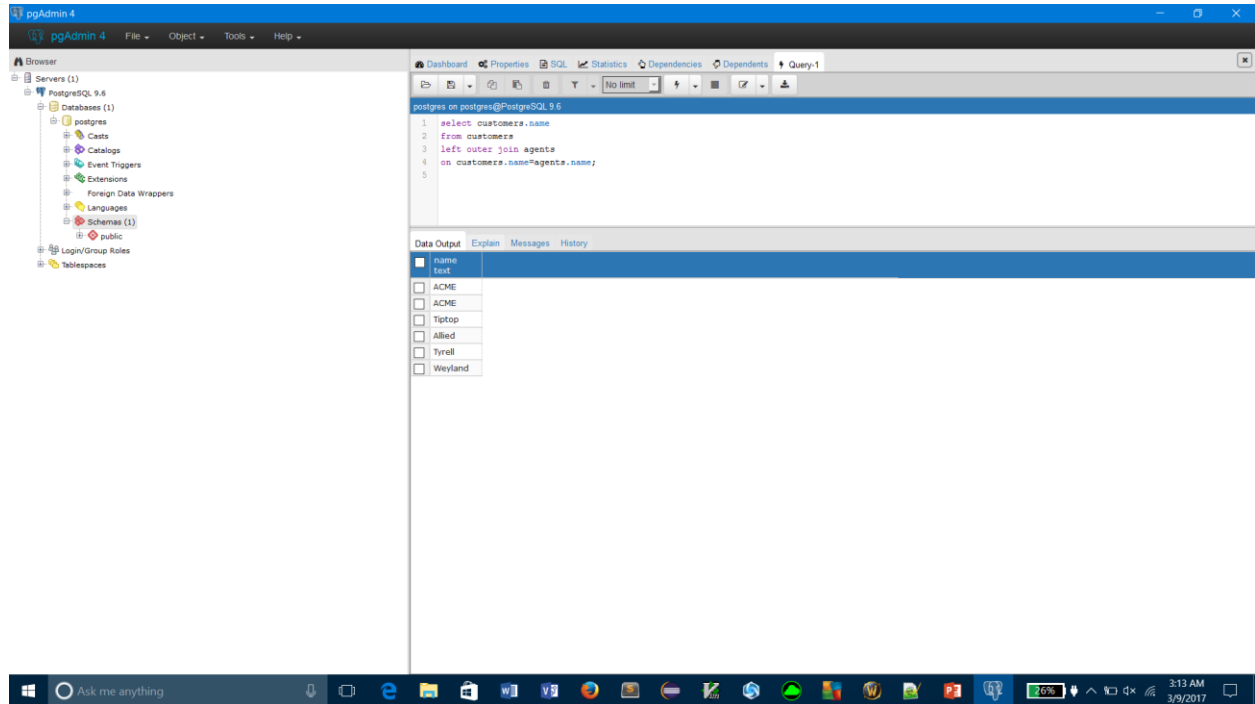
The left outer join returns all the rows from the table on the left table, or table1, with the matching rows that are on the right table, or table2. However, the result on the right side is null if it does not match.

select customers.name

from customers

left outer join agents

on customers.name=agents.name;



The right outer join does pretty much the opposite of what the left outer join does in the sense that it returns all the rows from the right table with the matching rows from the left table. The result in the left table is null if there is not a match.

select products.name, products.pid

from products

right outer join orders

on products.pid=orders.pid;

pgAdmin 4

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Dashboard Properties SQL Statistics Dependencies Dependents Query-1

postgres on postgres@PostgreSQL 9.6

```
1 select products.name, products.pid
2 from products
3 right outer join orders
4 on products.pid=orders.pid;
5
```

Data Output Explain Messages History

| | name text | pid character |
|--------------------------|--------------|------------------|
| <input type="checkbox"/> | comb | p01 |
| <input type="checkbox"/> | razor | p03 |
| <input type="checkbox"/> | pencil | p05 |
| <input type="checkbox"/> | comb | p01 |
| <input type="checkbox"/> | razor | p03 |
| <input type="checkbox"/> | pen | p04 |
| <input type="checkbox"/> | brush | p02 |
| <input type="checkbox"/> | case | p07 |
| <input type="checkbox"/> | comb | p01 |
| <input type="checkbox"/> | trapper | p06 |
| <input type="checkbox"/> | pencil | p05 |
| <input type="checkbox"/> | comb | p01 |
| <input type="checkbox"/> | case | p07 |
| <input type="checkbox"/> | razor | p03 |

Windows taskbar: 3:16 AM 3/9/2017