

Query - postgres on postgres@127.0.0.1:5432 - [//Users/lauraflorez/Desktop/DatabaseManagement/Lab6/Lab...

postgres on postgres@127.0.0.1:5432

SQL Editor Graphical Query Builder

Previous queries [v] Delete Delete All

```
--Question1
select customers.name, customers.city
from customers
where city in (select city
               from products
               group by city
               having count(city) in ( (select MAX(MaxCount)
                                       from (select count(city) A
                                             from products
                                             group by products.ci
                                             ) AS Count
                                     ) )
);

--Question2
```

Output pane

Data Output Explain Messages History

	name text	city text
1	Tyrell	Dallas
2	Allied	Dallas

OK. Unix Ln 1, Col 1, Ch 1 373 chars 2 rows. 19 msec

Query - postgres on postgres@127.0.0.1:5432 - [/Users/lauraflorez/Desktop/DatabaseManagement/Lab6/Lab6...]

postgres on postgres@127.0.0.1:5432

SQL Editor Graphical Query Builder

Previous queries Delete Delete All

```
--Question3
select customers.name,pid,totalUSD
from orders, customers
where customers.cid = orders.cid
order by totalUSD ASC;
```

Scratch pad

Output pane

Data Output Explain Messages History

	name text	pid character(3)	totalusd numeric(12,2)
1	Tiptop	p02	180.00
2	ACME	p01	400.00
3	Tiptop	p05	450.00
4	Tiptop	p01	450.00
5	ACME	p01	460.00
6	ACME	p01	500.00
7	Tiptop	p04	540.00
8	Tiptop	p03	540.00
9	ACME	p07	600.00
10	Tiptop	p06	720.00
11	Tiptop	p07	720.00
12	Tyrell	p03	744.00
13	Tyrell	p03	880.00
14	Allied	p05	1104.00

OK. Unix Ln 27, Col 22, Ch 637 14 rows. 14 msec

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SQL Editor Graphical Query Builder

Previous queries [v] Delete Delete All

```
--Question2
select name
from products
where priceUSD > (select avg(priceUSD) as avg
                  from products)
order by name DESC;
```

Scratch pad

Output pane

Data Output Explain Messages History

	name text
1	trapper
2	eraser

OK. Unix Ln 15, Col 1, Ch 383 126 chars 2 rows. 13 msec

Query - postgres on postgres@127.0.0.1:5432 - [/Users/lauraflorez/Desktop/DatabaseManagement/Lab6/Lab...]

SQL Editor Graphical Query Builder

Previous queries [v] Delete Delete All

```
select customers.name,pid,totalUSD
from orders, customers
where customers.cid = orders.cid
order by totalUSD ASC;

--Question4
select customers.name,sum(coalesce(totalUSD,0) )
from orders right outer join customers on customers.cid = ord
group by customers.name
order by name ASC;
```

Scratch pad

Output pane

Data Output Explain Messages History

	name text	sum numeric
1	ACME	1960.00
2	Allied	1104.00
3	Tiptop	3600.00
4	Tyrell	1624.00
5	Weyland	0

OK. Unix Ln 29, Col 1, Ch 640 172 chars 5 rows. 18 msec

pgAdmin3 File Edit Query Favourites Macros View Window Help

Query - postgres on postgres@127.0.0.1:5432 - [/Users/lauraflorez/Desktop/]

postgres on postgres@127.0.0.1:5432

SQL Editor Graphical Query Builder

previous queries

```

order by name ASC;

--Question5
select customers.name, products.name, agents.name
from orders, customers, products, agents
where customers.cid = orders.cid
    and products.pid = orders.pid
    and agents.aid = orders.aid
    and agents.city = 'Newark'

--Question6
select *
from (select orders.*, orders.qty*products.priceusd*(1-(discount/100)) as trueUSD
    from orders
    inner join products on orders.pid = products.pid
    inner join customers on orders.cid = customers.cid ) as comparingTable
where totalUSD != trueUSD;

--Question7
--Outer joins match all the values in one

```

Output pane

Data Output Explain Messages History

	ordnumber integer	month character(3)	cid character(4)	aid character(3)	pid character(3)	qty integer	totalusd numeric(12,2)	trueusd numeric
1	1021	Feb	c004	a06	p01	1000	460.00	457.500000000000000000000000
2	1026	May	c002	a05	p03	800	744.00	704.000000000000000000000000

SQL Editor Graphical Query Builder

Previous queries

```
order by name ASC;

--Question5
select customers.name, products.name, agents.name
from orders, customers, products, agents
where customers.cid = orders.cid
    and products.pid = orders.pid
    and agents.aid = orders.aid
    and agents.city = 'Newark'

--Question6
select *
from (select orders.*, orders.qty*products.priceusd*(1-(discount/100)) as trueUSD
      from orders
      inner join products on orders.pid = products.pid
      inner join customers on orders.cid = customers.cid
      Where totalUSD != trueUSD ) as comparingTable
Where totalUSD != trueUSD;

--Question7
```

Output pane

Data Output Explain Messages History

	name text	name text	name text
1	Tiptop	brush	Jones