1. A)

select o.order\_id, c.customer\_id, c.customer\_name, c.segment

from customers c

full outer join orders o

using (customer\_id)

where c.segment ilike '%consumer%'

group by o.order\_id, c.customer\_id, c.customer\_name, c.segment;

B)

select o.order\_id, c.customer\_id, c.customer\_name, c.segment

from customers c

full outer join orders o

using (customer\_id)

where c.segment ilike '%consumer%'

group by o.order\_id, c.customer\_id, c.customer\_name, c.segment

limit 1000;

c)

select o.order\_id, c.customer\_id, c.customer\_name, c.segment

from customers c

full outer join orders o

using (customer\_id)

where c.segment ilike '%consumer%'

group by o.order\_id, c.customer\_id, c.customer\_name, c.segment

order by 3

limit 1000;

select o.order\_id, pr.product\_name

from products pr

join orders o

using(product\_id)

where product\_name ilike '%photo frame%'

group by o.order\_id, pr.product\_name;

1. All photo frame products were sold, 0 were not sold.

select pr.product\_name, sum(o.sales) as total\_sales

from orders o

full outer join products pr

using(product\_id)

where product\_name ilike '%photo frame%'

group by pr.product\_name;

4.

select pr.product\_id, pr.product\_name, re.country

from orders o

right join products pr

using(product\_id)

join regions re

using (region\_id)

where re.country ilike '%france%'

group by pr.product\_id, pr.product\_name, re.country

order by 2

5.

select pr.product\_id, pr.product\_name, re.country

from orders o

right join products pr

using(product\_id)

join regions re

using(region\_id)

where pr.product\_name ilike '%recycled%' and re.country ilike '%united states%'

group by pr.product\_id, pr.product\_name, re.country

order by 2;

**SLIDE 2**

1.

select c.customer\_id, c.customer\_name, count(o.discount) as total\_orders\_with\_discount\_over\_50

from customers c

left join orders o

using(customer\_id)

where o.discount> 0.5

group by c.customer\_id, c.customer\_name

order by 2;

2.

select pr.product\_id, pr.product\_name, o.ship\_mode

from orders o

right join products pr

using(product\_id)

where pr.product\_cost\_to\_consumer>1000 and ship\_mode <> 'Same Day';

3.

select o.ship\_mode, sum(o.quantity) as total\_quantity

from orders o

right join returns re

using(order\_id)

where ship\_mode <> 'Same Day' and re.reason\_returned = 'Not Needed'

group by o.ship\_mode;

4.

select c.customer\_name, count(order\_id)as quantity, pr.product\_name

from orders o

join customers c

using(customer\_id)

join products pr

using(product\_id)

where date\_part('y',o.order\_date) = 2016

group by c.customer\_name, pr.product\_name

order by 2 desc

limit 100;

1. Anna Andreadi with 173221

select re.salesperson, count(o.discount)

from regions re

join orders o

using(region\_id)

group by re.salesperson

order by 2 desc;