Chris Harms

DBMS HW 3

1. select orderid, paymentid

from payment\_t;

1. DO
2. DO
   1. select o.orderid, sum(l.orderedquantity \* p.productstandardprice) as totaldue, p.paymentamount

from order\_t o left outer join orderline\_t l

on o.orderid = l.orderid

right outer join payment\_t p

on p.orderid = l.orderid

left outer join product\_t p

on l.productid = p.productid

group by o.orderid, p.paymentamount

order by (totaldue-p.paymentamount) desc;

* 1. select o.orderid, sum(l.orderedquantity \* p.productstandardprice) as totaldue, p.paymentamount

from order\_t o left outer join orderline\_t l

on o.orderid = l.orderid

left outer join payment\_t p

on p.orderid = l.orderid

left outer join product\_t p

on l.productid = p.productid

group by o.orderid, p.paymentamount

order by (totaldue-p.paymentamount) desc;

1. select NVL(s.salespersonstate,'Unknown State') as salesperson\_state, NVL(p.productfinish,'unknown finish') as product\_finish, sum(l.orderedquantity) as totsales

from salesperson\_t s left outer join order\_t o

on s.salespersonid = o.salespersonid

left outer join orderline\_t l

on o.orderid = l.orderid

left outer join product\_t p

on l.productid = p.productid

group by NVL(s.salespersonstate,'Unknown State'), NVL(p.productfinish,'unknown finish')

order by NVL(s.salespersonstate,'Unknown State');

* 1. select distinct c.customerid, c.customername

from customer\_t c left outer join order\_t o

on c.customerid = o.customerid

left outer join orderline\_t l

on o.orderid = l.orderid

left outer join product\_t p

on l.productid = p.productid

where extract (month from o.orderdate) = 3

and p.productlineid = 1;

* 1. select distinct c.customerid, c.customername, sum(l.orderedquantity) as num\_products

from customer\_t c left outer join order\_t o

on c.customerid = o.customerid

left outer join orderline\_t l

on o.orderid = l.orderid

left outer join product\_t p

on l.productid = p.productid

where extract (month from o.orderdate) = 3

and p.productlineid = 1

group by c.customerid, c.customername;

* 1. select distinct c.customerid, c.customername, sum(l.orderedquantity) as num\_products

from customer\_t c left outer join order\_t o

on c.customerid = o.customerid

left outer join orderline\_t l

on o.orderid = l.orderid

left outer join product\_t p

on l.productid = p.productid

where extract (month from o.orderdate) = 3 and p.productlineid = 1

group by c.customerid, c.customername

having sum(l.orderedquantity) > 2;

* 1. select distinct c.customerid, c.customername, sum(l.orderedquantity) as num\_products

from customer\_t c left outer join order\_t o

on c.customerid = o.customerid

left outer join orderline\_t l

on o.orderid = l.orderid

left outer join product\_t p

on l.productid = p.productid

where extract (month from o.orderdate) = 3 and p.productlineid = 1

group by c.customerid, c.customername

union

select c.customerid, c.customername, 0

from customer\_t c

where c.customerid not in (select distinct c.customerid

from customer\_t c left outer join order\_t o

on c.customerid = o.customerid

left outer join orderline\_t l

on o.orderid = l.orderid

left outer join product\_t p

on l.productid = p.productid

where extract (month from o.orderdate) = 3 and p.productlineid = 1);

I apologize for this monstrosity of a query, it works and I gave up trying other ways

1. select orderid

from order\_t

minus

select orderid

from payment\_t;

* 1. select customerstate

from customer\_t

minus

select salespersonstate

from salesperson\_t;

* 1. select distinct c.customerstate

from customer\_t c

where c.customerstate not in (select s.salespersonstate

from salesperson\_t s

where s.salespersonstate = c.customerstate);

1. a
2. select s.salespersonname, sum(ol.orderedquantity)

from salesperson\_t s left outer join order\_t o

on s.salespersonid = o.salespersonid

left outer join orderline\_t ol

on o.orderid = ol.orderid

left outer join product\_t p

on ol.productid = p.productid

where p.productdescription = 'Oak Computer Desk'

group by s.salespersonname

having sum(ol.orderedquantity) in (select max(ol.orderedquantity)

from salesperson\_t s left outer join order\_t o

on s.salespersonid = o.salespersonid

left outer join orderline\_t ol

on o.orderid = ol.orderid

left outer join product\_t p

on ol.productid = p.productid

where p.productdescription = 'Oak Computer Desk');

1. select c.customerid, count(orderid), (count(orderid) / (select count(orderid) from order\_t))\* 100 as percent

from customer\_t c left outer join order\_t o

on c.customerid = o.customerid

group by c.customerid;

1. select count(customerid) / count(distinct customerstate) as avg\_cust\_per\_state

from customer\_t;