

1. `select CUSTOMER_T.CUSTOMERID as Customers_NotPlacedOrders from CUSTOMER_T where CUSTOMERID not in (select CUSTOMER_T.CUSTOMERID from CUSTOMER_T join ORDER_T on CUSTOMER_T.CUSTOMERID=ORDER_T.CUSTOMERID);`

CUSTOMERS_NOTPLACEDORDERS
7
2
5

2. `select * from EMPLOYEE_T where EMPLOYEEDETHIRED not in (select max(EMPLOYEEDETHIRED) from EMPLOYEE_T group by EMPLOYEEESTATE);`

EMPLOYEEID	EMPLOYEEENAME	EMPLOYEEADDRESS	EMPLOYEECITY	EMPLOYEEESTATE	EMPLOYEEZIP	EMPLOYEEDETHIRED
123-44-345	Phil Morris	2134 Hilltop Rd	Knoxville	TN		
3.32E+08	Lawrence Haley	5970 Spring Crest Rd	Nashville	TN	54545	##
454-56-768	Robert Lewis	17834 Deerfield Ln	Knoxville	TN	55555	##

EMPLOYEEID	EMPLOYEEENAME	EMPLOYEEADDRESS	EMPLOYEECITY	EMPLOYEEESTATE	EMPLOYEEZIP	EMPLOYEEBIRTHDATE	EMPLOYEEDETHIRED	EMPLOYEESUPERVISOR
123-44-345	Phil Morris	2134 Hilltop Rd	Knoxville	TN	-	01/05/1957	06/12/2004	454-56-768
352445667	Lawrence Haley	5970 Spring Crest Rd	Nashville	TN	54545	08/15/1963	01/05/2004	454-56-768
454-56-768	Robert Lewis	17834 Deerfield Ln	Knoxville	TN	55555	08/25/1964	01/01/2003	123-44-345

3 rows returned in 0.04 seconds [Download](#)

3. `select productid as IDs from (select PRODUCTID, sum(ORDEREDQUANTITY) as total from ORDERLINE_T group by PRODUCTID) where total>20;`

IDS
2
3

4. `select e.EMPLOYEEENAME as NameOfEmployees, e.EMPLOYEEBIRTHDATE as EmployeeBirthdate, m.EMPLOYEEENAME as ManagerName, m.EMPLOYEEBIRTHDATE as ManagersBirthdate from EMPLOYEE_T e join EMPLOYEE_T m on e.EMPLOYEESUPERVISOR=m.EMPLOYEEID where e.EMPLOYEEBIRTHDATE<m.EMPLOYEEBIRTHDATE;`

NAMEOFEMPLOYEES	EMPLOYEEBIRTHDATE	MANAGERNAME	MANAGERSBIRTHDATE
Phil Morris	1/5/1957	Robert Lewis	8/25/1964
Lawrence Haley	8/15/1963	Robert Lewis	8/25/1964

```
5. select EMPLOYEENAME as managers from EMPLOYEE_T where EMPLOYEEID in (select distinct e.EMPLOYEESUPERVISOR from EMPLOYEE_T e join EMPLOYEESKILLS_T s on e.EMPLOYEEID=s.EMPLOYEEID where s.SKILLID='BS12') order by EMPLOYEENAME ;
```

MANAGERS
Phil Morris
Robert Lewis

```
6. select count(orderid) as unpaid_customers from ORDER_T where orderid not in (select o.orderid from ORDER_T o join PAYMENT_T p on o.orderid = p.orderid);
```

UNPAID_CUSTOMERS
47

```
7. select CUSTOMERSTATE from CUSTOMER_T where CUSTOMERID not in (select distinct CUSTOMERID from CUSTOMER_T join SALESPERSON_T on CUSTOMERSTATE=SALESPERSONSTATE);
```

CUSTOMERSTATE
TX
NJ
CA
NM
NM
IL
VA

```
8. select EMPLOYEENAME, HeadCount from (select EMPLOYEENAME, count(EMPLOYEESUPERVISOR) as HeadCount from (select g.EMPLOYEENAME , e.EMPLOYEESUPERVISOR FROM EMPLOYEE_T e join EMPLOYEE_T g on e.EMPLOYEESUPERVISOR=g.EMPLOYEEID) group by EMPLOYEENAME) where HEADCOUNT>2 ;
```

EMPLOYEENAME	HEADCOUNT
Robert Lewis	3

9. select WORKCENTERID, count(EMPLOYEEID) as Total_No_of_Employees from WORKS
IN_T group by WORKCENTERID;

WORKCENTERID	TOTAL_NO_OF_EMPLOYEES
Tampa1	1
SM1	1

10. select s.VENDORID, s.MATERIALID
FROM SUPPLIES_T s JOIN RAWMATERIAL_T m ON s.MATERIALID=m.MATERIALID where
s.SUPPLYUNITPRICE>=(4*m.MATERIALSTANDARDPRICE);

VENDORID	MATERIALID
1	3/41010OAK
1	3/41012OAK
1	3/41016OAK
1	3/4104OAK
1	3/4108OAK
1	3/41210OAK
1	3/41212OAK
1	3/41216OAK
1	3/4124OAK
1	3/4128OAK
1	3/4210OAK
1	3/4212OAK
1	3/4216OAK
1	3/424OAK
1	3/428OAK
1	3/4310OAK
1	3/4312OAK
1	3/4316OAK
1	3/434OAK
1	3/438OAK
1	3/4410OAK
1	3/4412OAK
1	3/4416OAK
1	3/444OAK
1	3/448OAK
1	3/4610OAK
1	3/4612OAK
1	3/4616OAK
1	3/464OAK
1	3/468OAK

1	3/4810OAK
1	3/4812OAK
1	3/4816OAK
1	3/484OAK
1	3/488OAK
1	3/81010OAK
1	3/81012OAK
1	3/81016OAK
1	3/8104OAK
1	3/8108OAK
1	3/81210OAK
1	3/81212OAK
1	3/81216OAK
1	3/8124OAK
1	3/8128OAK
1	3/8210OAK
1	3/8212OAK
1	3/8216OAK
1	3/824OAK
1	3/828OAK
1	3/8310OAK
1	3/8312OAK
1	3/8316OAK
1	3/834OAK
1	3/838OAK
1	3/8410OAK
1	3/8412OAK
1	3/8416OAK
1	3/844OAK
1	3/848OAK
1	3/8610OAK
1	3/8612OAK
1	3/8616OAK
1	3/864OAK
1	3/868OAK
1	3/8810OAK
1	3/8812OAK
1	3/8816OAK
1	3/884OAK
1	3/888OAK
1	5/81010OAK
1	5/81012OAK
1	5/81016OAK

1	5/8104OAK
1	5/8108OAK
1	5/81210OAK
1	5/81212OAK
1	5/81216OAK
1	5/8124OAK
1	5/8128OAK
1	5/8210OAK
1	5/8212OAK
1	5/8216OAK
1	5/824OAK
1	5/828OAK
1	5/8310OAK
1	5/8312OAK
1	5/8316OAK
1	5/834OAK
1	5/838OAK
1	5/8410OAK
1	5/8412OAK
1	5/8416OAK
1	5/844OAK
1	5/848OAK
1	5/8610OAK
1	5/8612OAK
1	5/8616OAK
1	5/864OAK
1	5/868OAK
1	5/8810OAK
1	5/8812OAK
1	5/8816OAK
1	5/884OAK
1	5/888OAK
1	1/21010OAK
1	1/21012OAK
1	1/21016OAK
1	1/2104OAK
1	1/2108OAK
1	1/21210OAK
1	1/21212OAK
1	1/21216OAK
1	1/2124OAK
1	1/2128OAK
1	1/2210OAK

1	1/2212OAK
1	1/2216OAK
1	1/224OAK
1	1/228OAK
1	1/2310OAK
1	1/2312OAK
1	1/2316OAK
1	1/234OAK
1	1/238OAK
1	1/2410OAK
1	1/2412OAK
1	1/2416OAK
1	1/244OAK
1	1/248OAK
1	1/2610OAK
1	1/2612OAK
1	1/2616OAK
1	1/264OAK
1	1/268OAK
1	1/2810OAK
1	1/2812OAK
1	1/2816OAK
1	1/284OAK
1	1/288OAK
3	NC1/4
3	NF1/4
3	NOW1/4
3	NST1/4
3	NUT1/4

```

11. select distinct m.EMPLOYEE_NAME as Managers
    from EMPLOYEE_T m join EMPLOYEE_T e on m.employeeid = e.employeeid
    join EMPLOYEE_SKILLS_T es on e.employeeid = es.employeeid
    where SKILLID = 'BS12'
    ORDER BY m.EMPLOYEE_NAME asc;

```

MANAGERS
Lawrence Haley
Phil Morris
Robert Lewis

```
12. SELECT c.CustomerName, COUNT(v.VendorID) AS NumVendors
FROM Customer_T C JOIN Vendor_T V ON C.CustomerState = V.VendorState
GROUP BY c.CustomerName;
```

CUSTOMERNAME	NUMVENDORS
Value Furnitures	1
Flanigan Furniture	1
Contemporary Casuals	1

```
13.select customername from customer_t where customerpostalcode in (select c
ustomerpostalcode from CUSTOMER_T where customerid = 16);
```

CUSTOMERNAME
A Carpet
ABC Furniture Co.

```
14.select c.customerid, c.customername, nvl(o.orderid,0) as OrderId from cust
omer_t c left outer join order_t o on c.customerid = o.customerid order by
orderid asc;
```

CUSTOMERID	CUSTOMERNAME	ORDERID
5	Impressions	0
2	Value Furnitures	0
7	New Furniture	0
4	Eastern Furniture	1
3	Home Furnishings	2
1	Contemporary Casuals	3
6	Furniture Gallery	4
4	Eastern Furniture	5
4	Eastern Furniture	6
1	Contemporary Casuals	7
4	Eastern Furniture	8
6	Furniture Gallery	9
4	Eastern Furniture	19
4	Eastern Furniture	20
4	Eastern Furniture	21
4	Eastern Furniture	22
4	Eastern Furniture	23
1	Contemporary Casuals	24
4	Eastern Furniture	25

4	Eastern Furniture	26
4	Eastern Furniture	27
4	Eastern Furniture	28
4	Eastern Furniture	29
4	Eastern Furniture	30
15	Janet's Collection	31
15	Janet's Collection	32
15	Janet's Collection	34
8	Dunkins Furniture	35
4	Eastern Furniture	36
4	Eastern Furniture	37
4	Eastern Furniture	38
4	Eastern Furniture	39
4	Eastern Furniture	40
12	Flanigan Furniture	41
4	Eastern Furniture	42
12	Flanigan Furniture	43
6	Furniture Gallery	44
12	Flanigan Furniture	45
1	Contemporary Casuals	46
12	Flanigan Furniture	47
1	Contemporary Casuals	48
4	Eastern Furniture	49
8	Dunkins Furniture	50
16	ABC Furniture Co.	51
16	ABC Furniture Co.	52
16	ABC Furniture Co.	53
16	ABC Furniture Co.	54
16	ABC Furniture Co.	55
9	A Carpet	56
9	A Carpet	57
14	Wild Bills	58
13	Ikards	59
4	Eastern Furniture	63
4	Eastern Furniture	64
4	Eastern Furniture	65
9	A Carpet	66
4	Eastern Furniture	69
4	Eastern Furniture	71
12	Flanigan Furniture	73

1	Contemporary Casuals	75
4	Eastern Furniture	76

```
15.select p.PRODUCTID, p.PRODUCTDESCRIPTION as Productnames
from PRODUCT_T p join
(select PRODUCTLINEID, avg(PRODUCTSTANDARDPRICE) as product_avg from PRODU
CT_T group by PRODUCTLINEID) pl on p.PRODUCTLINEID=pl.PRODUCTLINEID
where p.PRODUCTSTANDARDPRICE<pl.product_avg ;
```

PRODUCTID	PRODUCTNAMES
1	Cherry End Table
2	Birch Coffee Tables
11	4-Drawer Dresser
13	Nightstand
21	Pine End Table
5	Writer's Desk
14	Writer's Desk
25	
18	6' Grandfather Clock
7	48 Bookcase
8	48 Bookcase
10	96 Bookcase

```
16.select workcenterlocation as WorkCenters from workcenter_t wc join worksin
_t win on wc.workcenterid = win.workcenterid join EMPLOYEESKILLS_T es on w
in.employeeid = es.employeeid where SKILLID = 'QC1'
```

WORKCENTERS
Main Saw Mill

```
17.select employeeid, EMPLOYEEENAME from EMPLOYEE_T where employeeid not in
(select es.employeeid from EMPLOYEEskills_T es join skill_t s on es.SKILLID = s.S
KILLID where skilldescription = 'Router' ) order by EMPLOYEEENAME
```

EMPLOYEEID	EMPLOYEEENAME
Laura	Laura Ellenburg
332445667	Lawrence Haley
555955585	Mary Smith

```

18.select o.orderid, o.customerid, o.orderdate, p.productdescription
   from order_t o
  join ORDERLINE_T ol on o.orderid = ol.orderid
  join product_t p on ol.PRODUCTID = p.PRODUCTID
 where o.customerid = 9

```

ORDERID	CUSTOMERID	ORDERDATE	PRODUCTDESCRIPTION
56	9	3/11/2015	Entertainment Center
66	9	3/11/2015	Entertainment Center

```

19.select p.PRODUCTID, p.productdescription, p.productstandardprice, sum(quant
ityrequired*r.materialstandardprice) as TotCost
   from product_t p join uses_t u on p.PRODUCTID = u.PRODUCTID
  join rawmaterial_t r on u.materialid = r.materialid
 group by p.PRODUCTID, p.productdescription, p.productstandardprice

```

PRODUCTID	PRODUCTDESCRIPTION	PRODUCTSTANDARDPRICE	TOTCOST
4	Entertainment Center	1650	931.6
3	Oak Computer Desk	750	353.2
1	Cherry End Table	175	99.7
6	8-Drawer Dresser	750	231.25
2	Birch Coffee Tables	200	135.4
18	6' Grandfather Clock	890	108

```

20.select s.salespersonname, p.productfinish, sum(ol.ORDEREDQUANTITY) as
TotSales
   from SALESPERSON_T s join order_t o on s.salespersonid = o.salespersonid
  join ORDERLINE_T ol on o.orderid = ol.orderid
  join product_t p on ol.PRODUCTID = p.PRODUCTID
 group by p.productfinish, s.salespersonname

```

SALESPERSONNAME	PRODUCTFINISH	TOTSALES
Jacob Winslow	Birch	3
Robert Lewis	Cherry	1
Robert Lewis	Birch	2
Julie Dawson	Oak	10
Julie Dawson	Birch	10
Jacob Winslow	Cherry	1
Pepe Lepue	Cherry	0
William Strong	Birch	32
Mary James	Birch	2
Mary James	Oak	3

Pepe Lepue	Oak	5
Robert Lewis	Walnut	4
Fred Flinstone	Cherry	2
William Strong	Cherry	9
William Strong	Oak	23
Jacob Winslow	Oak	5
Robert Lewis	Leather	5

```
21.select wc.workcenterlocation, nvl(count(pr.PRODUCTID),0) as TotalProducts
from workcenter_t wc left outer join producedin_t pr on wc.workcenterid =
pr.workcenterid group by wc.workcenterlocation
```

WORKCENTERLOCATION	TOTALPRODUCTS
Tampa Warehouse	14
Main Saw Mill	0
Warehouse and Receiving	0

```
22.select territoryid, territoryname from territory_t
where territoryid>= (select avg (territoryid)
from doesbusinessin_t where customerid in
(select distinct customerid from customershipaddress_t))
```

TERRITORYID	TERRITORYNAME
3	NorthEast
4	NorthWest
5	Central
6	Alaska
12	Hawaii
13	Colorado
15	Arizona

```
23.select c.customerid, c. customername , sum(ORDEREDQUANTITY) as UnitsBough
tByEachCustomer
from customer_t c join ORDER_t o on c.customerid = o.customerid
join ORDERLINE_T ol on o.orderid = ol.orderid
join product_t p on ol.PRODUCTID = p.PRODUCTID
where productdescription like '%Computer Desk%'
group by c.customerid, c. customername
```

CUSTOMERID	CUSTOMERNAME	UNITSBOUGHTBYEACHCUSTOMER
14	Wild Bills	1
4	Eastern Furniture	5
16	ABC Furniture Co.	5

6	Furniture Gallery	1
3	Home Furnishings	12

```

24. select p.productdescription, count(ol.orderlineid) as
    numberoftimeeachproducthasbeenordered
    from product_t p left outer join ORDERLINE_T ol on p.PRODUCTID = ol.PRODU
    CTID group by p.productdescription

```

PRODUCTDESCRIPTION	NUMBEROFTIMESEACHPRODUCTHASBEENORDERED
Birch Coffee Tables	5
96 Bookcase	1
Amoire	1
Writer's Desk	4
High Back Leather Chair	1
7' Grandfather Clock	0
8-Drawer Dresser	3
Oak Computer Desk	7
4-Drawer Dresser	0
6' Grandfather Clock	0
Nightstand	1
	0
48 Bookcase	2
Entertainment Center	7
Cherry End Table	7
Pine End Table	0

```

25. select p.PRODUCTID, p.productdescription, c.customerid, c.customername, sum(ol.ORDEREDQUANTITY) as TotalQuantityOrdered
    from customer_t c join order_t o on c.customerid = o.customerid
    join ORDERLINE_T ol on o.orderid = ol.orderid
    join product_t p on ol.PRODUCTID = p.PRODUCTID
    group by p.PRODUCTID, p.productdescription, c.customerid, c.customername
    having sum(ol.ORDEREDQUANTITY) >= All
    (SELECT SUM(ol1.OrderedQuantity)
    FROM OrderLine_T ol1, Order_T o1
    WHERE ol1.ProductID = p.ProductID AND
    ol1.OrderID = o1.OrderID AND
    ol1.CustomerID <> C.CustomerID
    GROUP BY o1.CustomerID)
    order by p.PRODUCTID;

```

PRODUCTID	PRODUCTDESCRIPTION	CUSTOMERID	CUSTOMERNAME	TOTAL QUANTITY ORDERED
1	Cherry End Table	4	Eastern Furniture	9
2	Birch Coffee Tables	4	Eastern Furniture	26
3	Oak Computer Desk	3	Home Furnishings	12
4	Entertainment Center	16	ABC Furniture Co.	4
5	Writer's Desk	15	Janet's Collection	10
6	8-Drawer Dresser	4	Eastern Furniture	4
7	48 Bookcase	4	Eastern Furniture	4
8	48 Bookcase	3	Home Furnishings	2
10	96 Bookcase	4	Eastern Furniture	9
13	Nightstand	13	Ikards	2
14	Writer's Desk	15	Janet's Collection	10
17	High Back Leather Chair	1	Contemporary Casuals	5
20	Amoire	8	Dunkins Furniture	1