**Question1:**

Query01:-

select \* from customer\_t

left join order\_t

on customer\_t.customerid = order\_t.customerid

where order\_t.customerid is NULL;

**RESULT:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| CUSTOMERID | CUSTOMERNAME | CUSTOMERADDRESS | CUSTOMERCITY | CUSTOMERSTATE | CUSTOMERPOSTALCODE |
| 7 | New Furniture | Palace Ave | Farmington | NM |  |
| 2 | Value Furnitures | 15145 S.W. 17th St. | Plano | TX | 75094-7743 |
| 5 | Impressions | 5585 Westcott Ct. | Sacramento | CA | 94206-4056 |

**Question2:**

Query02:-

select \* from employee\_t

where employee\_t.EMPLOYEEDATEHIRED not in (select max(EMPLOYEEDATEHIRED) from employee\_t group by EMPLOYEESTATE)

**RESULT:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| EMPLOYEEID | EMPLOYEENAME | EMPLOYEEADDRESS | EMPLOYEECITY | EMPLOYEESTATE |
| 123-44-345 | Phil Morris | 2134 Hilltop Rd | Knoxville | TN |
| 332445667 | Lawrence Haley | 5970 Spring Crest Rd | Nashville | TN |
| 454-56-768 | Robert Lewis | 17834 Deerfield Ln | Knoxville | TN |
|  |  |  |  |  |
| EMPLOYEEZIP | EMPLOYEEBIRTHDATE | EMPLOYEEDATEHIRED | EMPLOYEESUPERVISOR |  |
|  | 1/5/1957 | 6/12/2004 | 454-56-768 |  |
| 54545 | 8/15/1963 | 1/5/2004 | 454-56-768 |  |
| 55555 | 8/25/1964 | 1/1/2003 | 123-44-345 |  |

**Question 3:**

Query03:-

select productid,sum(ORDEREDQUANTITY) from orderline\_t group by productid having sum(ORDEREDQUANTITY)>20

**RESULT:**

|  |  |
| --- | --- |
| PRODUCTID | SUM(ORDEREDQUANTITY) |
| 2 | 30 |
| 3 | 24 |

**Question 4:**

Query04:-

select e.EMPLOYEENAME as NameOfEmployees, e.EMPLOYEEBIRTHDATE as EmployeeBirthdate, m.EMPLOYEENAME as ManagerName, m.EMPLOYEEBIRTHDATE as ManagersBirthdate from EMPLOYEE\_T e join EMPLOYEE\_T m on e.EMPLOYEESUPERVISOR=m.EMPLOYEEID where e.EMPLOYEEBIRTHDATE<m.EMPLOYEEBIRTHDATE;

**RESULT**

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

**Question 5:**

Query05:-

select EMPLOYEENAME as managers from EMPLOYEE\_T

where employeeid in (select distinct E.EMPLOYEESUPERVISOR from EMPLOYEE\_T E join EMPLOYEESKILLS\_T ES on E.EMPLOYEEID = ES.EMPLOYEEID where ES.SKILLID like 'BS12')

order by EMPLOYEENAME;

**RESULT**:

|  |
| --- |
| MANAGERS |
| Phil Morris |
| Robert Lewis |

**QUESTION 6:**

Query06:-

select count(orderid) as OrdersNotPaid from order\_t where orderid not in (select orderid from payment\_t)

**RESULT:**

|  |
| --- |
| ORDERSNOTPAID |
| 47 |

**QUESTION 7:**

Query07:-

select customerstate from customer\_t where customerstate not in (select SALESPERSONSTATE from SALESPERSON\_T where SALESPERSONSTATE is not null)

**RESULT:**

|  |
| --- |
| CUSTOMERSTATE |
| NM |
| NM |
| Il |
| VA |
| TX |
| NJ |
| CA |

**QUESTION 8:**

Query08:-

select e1.employeesupervisor, count(e1.employeeid) as headcount from employee\_t e1

group by e1.employeesupervisor

having count(e1.employeeid)>2;

**RESULT:**

|  |  |
| --- | --- |
| EMPLOYEESUPERVISOR | HEADCOUNT |
| 454-56-768 | 3 |

**QUESTION 9:**

Query09:-

select count(employeeid),workcenterid from worksin\_t where workcenterid in (select workcenterid from WORKCENTER\_T) group by workcenterid;

**RESULT:**

|  |  |
| --- | --- |
| COUNT(EMPLOYEEID) | WORKCENTERID |
| 1 | Tampa1 |
| 1 | SM1 |

**QUESTION 10:**

Query10:-

select s.VENDORID,rm.MATERIALNAME

from SUPPLIES\_T s

join RAWMATERIAL\_T rm

on s.MATERIALID = rm.MATERIALID

where s.SUPPLYUNITPRICE >= (4 \* rm.MATERIALSTANDARDPRICE);

**RESULT:**

|  |  |
| --- | --- |
| VENDORID | MATERIALNAME |
| 1 | 1/2in X 6in X 4ft Oak |
| 1 | 1/2in X 6in X 8ft Oak |
| 1 | 1/2in X 8in X 10ft Oak |
| 1 | 1/2in X 8in X 12ft Oak |
| 1 | 1/2in X 8in X 16ft Oak |
| 1 | 1/2in X 8in X 4ft Oak |
| 1 | 1/2in X 8in X 8ft Oak |
| 1 | 1/2in X 10in X 10ft Oak |
| 1 | 1/2in X 10in X 12ft Oak |
| 1 | 1/2in X 10in X 16ft Oak |
| 1 | 1/2in X 10in X 4ft Oak |
| 1 | 1/2in X 10in X 8ft Oak |
| 1 | 1/2in X 12in X 10ft Oak |
| 1 | 1/2in X 12in X 12ft Oak |
| 1 | 1/2in X 12in X 16ft Oak |
| 1 | 1/2in X 12in X 4ft Oak |
| 1 | 1/2in X 12in X 8ft Oak |
| 1 | 1/2in X 2in X 10ft Oak |
| 1 | 1/2in X 2in X 12ft Oak |
| 1 | 1/2in X 2in X 16ft Oak |
| 1 | 1/2in X 2in X 4ft Oak |
| 1 | 1/2in X 2in X 8ft Oak |
| 1 | 1/2in X 3in X 10ft Oak |
| 1 | 1/2in X 3in X 12ft Oak |
| 1 | 1/2in X 3in X 16ft Oak |
| 1 | 1/2in X 3in X 4ft Oak |
| 1 | 1/2in X 3in X 8ft Oak |
| 1 | 1/2in X 4in X 10ft Oak |
| 1 | 1/2in X 4in X 12ft Oak |
| 1 | 1/2in X 4in X 16ft Oak |
| 1 | 1/2in X 4in X 4ft Oak |
| 1 | 1/2in X 4in X 8ft Oak |
| 1 | 1/2in X 6in X 10ft Oak |
| 1 | 1/2in X 6in X 12ft Oak |
| 1 | 1/2in X 6in X 16ft Oak |
| 1 | 3/4in X 2in X 8ft Oak |
| 1 | 3/4in X 3in X 10ft Oak |
| 1 | 3/4in X 3in X 12ft Oak |
| 1 | 3/4in X 3in X 16ft Oak |
| 1 | 3/4in X 3in X 4ft Oak |
| 1 | 3/4in X 3in X 8ft Oak |
| 1 | 3/4in X 4in X 10ft Oak |
| 1 | 3/4in X 4in X 12ft Oak |
| 1 | 3/4in X 4in X 16ft Oak |
| 1 | 3/4in X 4in X 4ft Oak |
| 1 | 3/4in X 4in X 8ft Oak |
| 1 | 3/4in X 6in X 10ft Oak |
| 1 | 3/4in X 6in X 12ft Oak |
| 1 | 3/4in X 6in X 16ft Oak |
| 1 | 3/4in X 6in X 4ft Oak |
| 1 | 3/4in X 6in X 8ft Oak |
| 1 | 3/4in X 8in X 10ft Oak |
| 1 | 3/4in X 8in X 12ft Oak |
| 1 | 3/4in X 8in X 16ft Oak |
| 1 | 3/4in X 8in X 4ft Oak |
| 1 | 3/4in X 8in X 8ft Oak |
| 1 | 3/8in X 10in X 10ft Oak |
| 1 | 3/8in X 10in X 12ft Oak |
| 1 | 3/8in X 10in X 16ft Oak |
| 1 | 3/8in X 10in X 4ft Oak |
| 1 | 3/8in X 10in X 8ft Oak |
| 1 | 3/8in X 12in X 10ft Oak |
| 1 | 3/8in X 12in X 12ft Oak |
| 1 | 3/4in X 10in X 10ft Oak |
| 1 | 3/4in X 10in X 12ft Oak |
| 1 | 3/4in X 10in X 16ft Oak |
| 1 | 3/4in X 10in X 4ft Oak |
| 1 | 3/4in X 10in X 8ft Oak |
| 1 | 3/4in X 12in X 10ft Oak |
| 1 | 3/4in X 12in X 12ft Oak |
| 1 | 3/4in X 12in X 16ft Oak |
| 1 | 3/4in X 12in X 4ft Oak |
| 1 | 3/4in X 12in X 8ft Oak |
| 1 | 3/4in X 2in X 10ft Oak |
| 1 | 3/4in X 2in X 12ft Oak |
| 1 | 3/4in X 2in X 16ft Oak |
| 1 | 3/4in X 2in X 4ft Oak |
| 1 | 5/8in X 10in X 10ft Oak |
| 1 | 5/8in X 10in X 12ft Oak |
| 1 | 5/8in X 10in X 16ft Oak |
| 1 | 5/8in X 10in X 4ft Oak |
| 1 | 5/8in X 10in X 8ft Oak |
| 1 | 5/8in X 12in X 10ft Oak |
| 1 | 5/8in X 12in X 12ft Oak |
| 1 | 5/8in X 12in X 16ft Oak |
| 1 | 5/8in X 12in X 4ft Oak |
| 1 | 5/8in X 12in X 8ft Oak |
| 1 | 5/8in X 2in X 10ft Oak |
| 1 | 5/8in X 2in X 12ft Oak |
| 1 | 5/8in X 2in X 16ft Oak |
| 1 | 5/8in X 2in X 4ft Oak |
| 1 | 5/8in X 2in X 8ft Oak |
| 1 | 5/8in X 3in X 10ft Oak |
| 1 | 5/8in X 3in X 12ft Oak |
| 1 | 5/8in X 3in X 16ft Oak |
| 1 | 3/8in X 12in X 16ft Oak |
| 1 | 3/8in X 12in X 4ft Oak |
| 1 | 3/8in X 12in X 8ft Oak |
| 1 | 3/8in X 2in X 10ft Oak |
| 1 | 3/8in X 2in X 12ft Oak |
| 1 | 3/8in X 2in X 16ft Oak |
| 1 | 3/8in X 2in X 4ft Oak |
| 1 | 3/8in X 2in X 8ft Oak |
| 1 | 3/8in X 3in X 10ft Oak |
| 1 | 3/8in X 3in X 12ft Oak |
| 1 | 3/8in X 3in X 16ft Oak |
| 1 | 3/8in X 3in X 4ft Oak |
| 1 | 3/8in X 3in X 8ft Oak |
| 1 | 3/8in X 4in X 10ft Oak |
| 1 | 3/8in X 4in X 12ft Oak |
| 1 | 3/8in X 4in X 16ft Oak |
| 1 | 3/8in X 4in X 4ft Oak |
| 1 | 3/8in X 4in X 8ft Oak |
| 1 | 3/8in X 6in X 10ft Oak |
| 1 | 3/8in X 6in X 12ft Oak |
| 1 | 3/8in X 6in X 16ft Oak |
| 1 | 3/8in X 6in X 4ft Oak |
| 1 | 3/8in X 6in X 8ft Oak |
| 1 | 3/8in X 8in X 10ft Oak |
| 1 | 3/8in X 8in X 12ft Oak |
| 1 | 3/8in X 8in X 16ft Oak |
| 1 | 3/8in X 8in X 4ft Oak |
| 1 | 3/8in X 8in X 8ft Oak |
| 1 | 5/8in X 3in X 4ft Oak |
| 1 | 5/8in X 3in X 8ft Oak |
| 1 | 5/8in X 4in X 10ft Oak |
| 1 | 5/8in X 4in X 12ft Oak |
| 1 | 5/8in X 4in X 16ft Oak |
| 1 | 5/8in X 4in X 4ft Oak |
| 1 | 5/8in X 4in X 8ft Oak |
| 1 | 5/8in X 6in X 10ft Oak |
| 1 | 5/8in X 6in X 12ft Oak |
| 1 | 5/8in X 6in X 16ft Oak |
| 1 | 5/8in X 6in X 4ft Oak |
| 1 | 5/8in X 6in X 8ft Oak |
| 1 | 5/8in X 8in X 10ft Oak |
| 1 | 5/8in X 8in X 12ft Oak |
| 1 | 5/8in X 8in X 16ft Oak |
| 1 | 5/8in X 8in X 4ft Oak |
| 1 | 5/8in X 8in X 8ft Oak |
| 3 | Common Nail 1/4in |
| 3 | Finish Nail 1/4in |
| 3 | Oval Wire Nail 1/4in |
| 3 | Staples 1/4in |
| 3 | Upholstery Tack 1/4in |

**QUESTION 11:**

Query11:-

SELECT distinct M.EMPLOYEENAME AS Managers FROM EMPLOYEE\_T E JOIN employeeskills\_t es ON ES.employeeid = E.employeeid JOIN EMPLOYEE\_T M ON E.employeesupervisor = M.employeeid WHERE skillid = 'BS12' ORDER BY M.EMPLOYEENAME

**RESULT:**

|  |
| --- |
| MANAGERS |
| Phil Morris |
| Robert Lewis |

**QUESTION 12:**

Query12:-

SELECT c.CustomerName, COUNT(v.VendorID) AS NumVendors FROM Customer\_T C LEFT OUTER JOIN Vendor\_T V ON C.CustomerState = V.VendorState GROUP BY c.CustomerName;

**RESULT:**

|  |  |
| --- | --- |
| CUSTOMERNAME | NUMVENDORS |
| Furniture Gallery | 0 |
| Dunkins Furniture | 0 |
| Eastern Furniture | 0 |
| Home Furnishings | 0 |
| Ikards | 0 |
| Value Furnitures | 1 |
| Flanigan Furniture | 1 |
| New Furniture | 0 |
| Janet's Collection | 0 |
| A Carpet | 0 |
| ABC Furniture Co. | 0 |
| Wild Bills | 0 |
| Impressions | 0 |
| Contemporary Casuals | 1 |

**QUESTION 13:**

Query13:-

select customername, CUSTOMERPOSTALCODE from customer\_t

where CUSTOMERPOSTALCODE in (select CUSTOMERPOSTALCODE from customer\_t where customerid = 16 or CUSTOMERPOSTALCODE='13440');

**RESULT:**

|  |  |
| --- | --- |
| CUSTOMERNAME | CUSTOMERPOSTALCODE |
| A Carpet | 13440 |
| ABC Furniture Co. | 13440 |

**QUESTION 14:**

Query14:-

select c.customerid, c.customername, nvl(o.orderid,0) as OrderId from customer\_t c left outer join order\_t o on c.customerid = o.customerid order by orderid asc;

**RESULT:**

|  |  |  |
| --- | --- | --- |
| 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 |

**QUESTION 15:**

Query15:-

 select p.PRODUCTID, p.PRODUCTDESCRIPTION as Productnames from PRODUCT\_T p join (select PRODUCTLINEID, avg(PRODUCTSTANDARDPRICE) as product\_avg from PRODUCT\_T group by PRODUCTLINEID) pl on p.PRODUCTLINEID=pl.PRODUCTLINEID where p.PRODUCTSTANDARDPRICE<pl.product\_avg ORDER BY P.PRODUCTID ;

**RESULT:**

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

**QUESTION 16:**

Query16:-

select workcenterid from WORKSIN\_T wi where wi.employeeid in (select employeeid

from employeeskills\_t where skillid like 'QC1')

**RESULT:**

|  |
| --- |
| WORKCENTERID |
| SM1 |

**QUESTION 17:**

Query17:-

SELECT EmployeeID, EmployeeName FROM Employee\_T WHERE EmployeeID IN ( SELECT ES.EmployeeID FROM EmployeeSkills\_T ES, Skill\_T S WHERE SkillDescription <> 'Router' AND ES.SkillID = S.SkillID AND ES.EmployeeID Not IN (SELECT ES.EmployeeID FROM EmployeeSkills\_T ES, Skill\_T S WHERE SkillDescription = 'Router' AND ES.SkillID = S.SkillID))

**RESULT:**

|  |  |
| --- | --- |
| EMPLOYEEID | EMPLOYEENAME |
| 332445667 | Lawrence Haley |
| Laura | Laura Ellenburg |

**QUESTION 18:**

Query18:-

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

**RESULT:**

|  |  |  |  |
| --- | --- | --- | --- |
| ORDERID | CUSTOMERID | ORDERDATE | PRODUCTDESCRIPTION |
| 56 | 9 | 03/11/15 | Entertainment Center |
| 66 | 9 | 03/11/15 | Entertainment Center |

**QUESTION 19:**

Query19:-

select u.productid, p.PRODUCTDESCRIPTION ,sum(u.QUANTITYREQUIRED \* rm.MATERIALSTANDARDPRICE) as TotCost , p.PRODUCTSTANDARDPRICE from product\_t p left join uses\_t u on p.productid = u.productid

join RAWMATERIAL\_T rm on rm.MATERIALID = u.MATERIALID group by u.productid,p.PRODUCTDESCRIPTION, p.PRODUCTSTANDARDPRICE

**RESULT:**

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

**QUESTION 20:**

Query20:-

select sp.SALESPERSONNAME, ch.PRODUCTFINISH, sum(ch.ORDEREDQUANTITY) as totalquantitysold from SALESPERSON\_T sp join (select f.PRODUCTFINISH, f.ORDEREDQUANTITY, o.ORDERID, o.SALESPERSONID from  ORDER\_T o join (select p.PRODUCTID, p.PRODUCTFINISH, q.ORDEREDQUANTITY, q.ORDERID from (select PRODUCTID, PRODUCTFINISH from PRODUCT\_T) p join (select ORDERID, PRODUCTID, ORDEREDQUANTITY from ORDERLINE\_T) q on p.PRODUCTID=q.PRODUCTID) f on o.ORDERID=f.ORDERID) ch on sp.SALESPERSONID=ch.SALESPERSONID group by PRODUCTFINISH, SALESPERSONNAME;

**RESULT:**

|  |  |  |
| --- | --- | --- |
| SALESPERSONNAME | PRODUCTFINISH | TOTALQUANTITYSOLD |
| 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 |

**QUESTION 21:**

Query21:-

select count(productid) as TotalProducts, w.WORKCENTERID from workcenter\_t w left join PRODUCEDIN\_T p on w.WORKCENTERID=p.WORKCENTERID

where w.WORKCENTERID in (select WORKCENTERID from workcenter\_t) group by w.WORKCENTERID

**RESULT:**

|  |  |
| --- | --- |
| TOTALPRODUCTS | WORKCENTERID |
| 0 | SM1 |
| 14 | Tampa1 |
| 0 | WR1 |

**QUESTION 22:**

Query22:-

SELECT T.TerritoryID, T.TerritoryName, COUNT(D.CustomerID) FROM Territory\_T T, DoesBusinessIn\_T D WHERE T.TerritoryID = D.TerritoryID GROUP BY T.TerritoryID, T.TerritoryName HAVING COUNT(D.CustomerID) > 1.5 \* ( SELECT AVG(CustCount) FROM (SELECT COUNT(D1.CustomerID) AS CustCount FROM DoesBusinessIn\_T D1 GROUP BY D1.TerritoryID));

**RESULT:**

|  |  |  |
| --- | --- | --- |
| TERRITORYID | TERRITORYNAME | COUNT(D.CUSTOMERID) |
| 1 | SouthEast | 2 |

**QUESTION 23:**

Query23:-

select cust.customerid, cust.customername, count(ol.ORDEREDQUANTITY) as No\_Of\_Units from Order\_T O, OrderLine\_T OL , Customer\_T cust

where ProductID = '3'and OL.OrderID= O.OrderID and O.CustomerID=cust.CustomerID

group by cust.customerid, cust.customername

**RESULT:**

|  |  |  |
| --- | --- | --- |
| CUSTOMERID | CUSTOMERNAME | NO\_OF\_UNITS |
| 14 | Wild Bills | 1 |
| 4 | Eastern Furniture | 2 |
| 16 | ABC Furniture Co. | 2 |
| 6 | Furniture Gallery | 1 |
| 3 | Home Furnishings | 1 |

**QUESTION 24:**

Query24:-

select P.PRODUCTID, p.productdescription, count(ol.orderlineid) as numberoftimeseachproducthasbeenordered from product\_t p left outer join ORDERLINE\_T ol on p.PRODUCTID = ol.PRODUCTID group by P.PRODUCTID, p.productdescription ORDER BY PRODUCTID

**RESULT:**

|  |  |  |
| --- | --- | --- |
| PRODUCTID | PRODUCTDESCRIPTION | NUMBEROFTIMESEACHPRODUCTHASBEENORDERED |
| 1 | Cherry End Table | 7 |
| 2 | Birch Coffee Tables | 5 |
| 3 | Oak Computer Desk | 7 |
| 4 | Entertainment Center | 7 |
| 5 | Writer's Desk | 2 |
| 6 | 8-Drawer Dresser | 3 |
| 7 | 48 Bookcase | 1 |
| 8 | 48 Bookcase | 1 |
| 9 | 96 Bookcase | 0 |
| 10 | 96 Bookcase | 1 |
| 11 | 4-Drawer Dresser | 0 |
| 12 | 8-Drawer Dresser | 0 |
| 13 | Nightstand | 1 |
| 14 | Writer's Desk | 2 |
| 17 | High Back Leather Chair | 1 |
| 18 | 6' Grandfather Clock | 0 |
| 19 | 7' Grandfather Clock | 0 |
| 20 | Amoire | 1 |
| 21 | Pine End Table | 0 |
| 24 |  | 0 |
| 25 |  | 0 |

**QUESTION 25:**

Query25:-

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 o1.CustomerID <> C.CustomerID GROUP BY o1.CustomerID) order by p.PRODUCTID;

**RESULT:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PRODUCTID | PRODUCTDESCRIPTION | CUSTOMERID | CUSTOMERNAME | TOTALQUANTITYORDERED |
| 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 |