Chapter 03 In-class Lab Assignment

ISTA-420, T-SQL Fundamentals

In-class Lab — Joins

Using the Northwind database

1. What is the order number and the date of each order sold by each employee?
2. List each territory by region.
3. What is the supplier name for each product alphabetically by supplier?
4. For every order on May 5, 1998, how many of each item was ordered, and what was the price of the item?
5. For every order on May 5, 1998, how many of each item was ordered giving the name of the item, and what was the price of the item?
6. For every order in May, 1998, what was the customer's name and the shipper's name?
7. What is the customer's name and the employee's name for every order shipped to France?
8. List the products by name that were shipped to Germany.

Using the TSQLV4 database

Use the book's database, TSQLV4, and do the exercises 2 through 9, beginning on page 125. The solutions are in the book beginning on page 129.

Solutions to the lab queries

Attempt to write the queries before you look at the solutions. Do not look at the solutions before you attempt to write the query.

Northwind queries

```
1  select e.employeeid, e.firstname, e.lastname, o.orderid, o.orderdate from employees e join
       orders o on e.employeeid = o.employeeid;
2  select e.employeeid, e.firstname, e.lastname, o.orderid, o.orderdate from employees e,
       orders o where e.employeeid = o.employeeid;
3
4  select r.regiondescription, t.territorydescription from territories t join region r on r.
       regionid = t.regionid;
5  select r.regiondescription, t.territorydescription from territories t, region r where r.
       regionid = t.regionid;
6
7  select p.productname, s.companyname from products p join suppliers s on s.supplierid = p.
       supplierid order by s.companyname;
8  select p.productname, s.companyname from products p, suppliers s where s.supplierid = p.
       supplierid order by s.companyname;
9
10 select o.orderdate, o.orderid, d.productid, d.quantity, d.unitprice from order_details d
       join orders o on o.orderid = d.orderid where o.orderdate = '1998-05-05';
11 select o.orderdate, o.orderid, d.productid, d.quantity, d.unitprice from order_details d,
       orders o where o.orderid = d.orderid and o.orderdate = '1998-05-05';
12
13 select o.orderdate, o.orderid, p.productname, d.quantity, d.unitprice from order_details d
       join orders o on o.orderid = d.orderid join products p on p.productid = d.productid
       where o.orderdate = '1998-05-05';
14 select o.orderdate, o.orderid, p.productname, d.quantity, d.unitprice from order_details d,
       orders o, products p where o.orderid = d.orderid and p.productid = d.productid and o.
       orderdate = '1998-05-05';
15
16 select o.orderid, o.orderdate, c.companyname, s.companyname from orders o join customers c
       on o.customerid = c.customerid join shippers s on s.shipperid = o.shipperid where o.
       orderdate like '1998-01%';
17 select o.orderid, o.orderdate, c.companyname, s.companyname from orders o, customers c,
       shippers s where o.customerid = c.customerid and s.shipperid = o.shipperid and o.
       orderdate like '1998-01%';
18
19 select o.orderid, c.companyname, e.firstname, e.lastname, o.shipcountryfrom orders o join
       customers c on o.customerid = c.customerid join employees e on o.employeeid = e.
       employeeid where o.shipcountry = 'France';
20 select o.orderid, c.companyname, e.firstname, e.lastname, o.shipcountry from orders o,
       customers c, employees e where o.customerid = c.customerid and  o.employeeid = e.
       employeeid and o.shipcountry = 'France';
21
22 select distinct p.productname, o.shipcountry from orders o join order_details d on o.orderid
       = d.orderid join products p on  d.productid = p.productid where o.shipcountry = '
       Germany';
23 select distinct p.productname, o.shipcountry from products p, orders o, order_details d
       where o.orderid = d.orderid and d.productid = p.productid and o.shipcountry = 'Germany';
```