

Exercise:

- Q1. Select the number of sales per category and country.**
- Q2. Select the 3 top-selling categories overall (hint: use "select top 3" construction).**
- Q3. List the total amount of sales in \$ by employee and year (discount in OrderDetails is at UnitPrice level). Which employees have an increase in sales over the three reported years?**
- Q4. Get an individual sales report by month for employee 9 (Dodsworth) in 1997. Q5. Get a sales report by country and month.**

Solutions: Q1.

```
SELECT CategoryName, Country, COUNT(*) AS Count FROM "Order Details" O,  
Products P, Categories C, Suppliers S  
WHERE O.ProductID = P.ProductID AND P.CategoryID = C.CategoryID AND  
P.SupplierID = S.SupplierID  
GROUP BY CategoryName, Country ORDER  
BY CategoryName, Country;
```

Q2.

```
SELECT TOP 3 CategoryName, COUNT(*) AS Count FROM "Order Details" O,  
Products P, Categories C, Suppliers S  
WHERE O.ProductID = P.ProductID AND P.CategoryID = C.CategoryID AND  
P.SupplierID = S.SupplierID  
GROUP BY CategoryName  
ORDER BY CategoryName
```

Q3.

```
Select * From Orders;  
SELECT LastName, FirstName, year(OrderDate) AS Year,  
FORMAT(SUM((1-Discount)*OD.UnitPrice*Quantity),'C', 'en-us') AS TotalAmount  
FROM Employees E, Orders O, "Order Details" OD  
WHERE O.OrderID = OD.OrderID AND O.EmployeeID = E.EmployeeID  
GROUP BY FirstName, + LastName, year(OrderDate)
```

Q4.

```
SELECT month(OrderDate) AS Month, FORMAT(SUM((1-  
Discount)*OD.UnitPrice*Quantity),'C', 'en-us') AS TotalAmount  
FROM Orders O, "Order Details" OD  
WHERE O.OrderID = OD.OrderID AND O.EmployeeID = 9 AND year(OrderDate) = 1997  
GROUP BY month(OrderDate)  
ORDER BY month(OrderDate)
```

Q5.

```
SELECT Country, year(OrderDate) AS Year, month(OrderDate) AS Month,  
FORMAT(SUM((1-Discount)*OD.UnitPrice*Quantity),'C','en-us') AS TotalAmount  
FROM Orders O, "Order Details" OD, Products P, Suppliers S  
WHERE O.OrderID = OD.OrderID AND OD.ProductID = P.ProductID AND  
P.SupplierID = S.SupplierID  
GROUP BY Country, year(OrderDate), month(OrderDate)  
ORDER BY Country, year(OrderDate), month(OrderDate)
```