Assignment 3

Question 1:

```
SELECT productid, productname, supplierid, unitprice,
CASE
WHEN unitprice <= 10.00 THEN 'Cheap'
WHEN unitprice > 10.00 AND unitprice < 45.00 THEN 'Moderately Priced'
WHEN unitprice >= 45.00 THEN 'Expensive'
ELSE 'Unknown'
END AS Label
FROM Production.Products
ORDER BY unitprice ASC
```

Question 2:

```
SELECT custid, contactname, city, country, fax
FROM Sales.Customers
WHERE fax IS NULL AND
country LIKE 'Spain'
```

Question 3:

```
SELECT custid, companyname, contactname, phone, contacttitle
FROM Sales.Customers
WHERE contacttitle LIKE 'Sales%'
```

Question 4:

```
SELECT custid, companyname, contactname, phone, contacttitle
FROM Sales.Customers
WHERE contacttitle LIKE 'Owner' OR
contacttitle LIKE '%Manager'
```

Question 5:

SELECT custid, companyname, contactname, phone, city, country
FROM Sales.Customers
WHERE contactname LIKE '%Jim' OR
contactname LIKE '%Tom'

Question 6:

SELECT O.orderid, C.custid,C.contactname, C.contacttitle,
O.orderdate, O.requireddate,
DATEDIFF(WEEK, O.orderdate, O.requireddate) AS [Week Difference]
FROM Sales.Orders AS O
JOIN Sales.Customers AS C
ON O.custid = C.custid
WHERE DATEDIFF(WEEK, O.orderdate, O.requireddate) <= 2

Question 7:

SELECT DATENAME(WEEKDAY, orderdate) AS [Day of the Week],
COUNT (*) AS [Orders Places That Day]
FROM Sales.Orders AS O
GROUP BY DATENAME(WEEKDAY, orderdate)

Question 8:

SELECT COUNT (C.custid) AS custid, C.companyname,
MAX (DATEDIFF (WEEK, O.orderdate, O.shippeddate)) AS [Delay in Weeks]
FROM Sales.Customers AS C
JOIN Sales.Orders AS O
ON C.custid = O.custid
GROUP BY C.companyname
ORDER BY [Delay in Weeks] ASC

Question 9:
SELECT P.productid, P.productname, P.unitprice, OD.qty,
O.shippeddate
FROM Production.Products AS P
JOIN Sales.OrderDetails AS OD
ON OD.productid = P.productid
JOIN Sales.Orders AS O
ON OD.orderid = O.orderid
WHERE O.shippeddate >= DATEADD (DAY, -7, '07/31/2006') AND
O.shippeddate <= '07/31/2006'

Question 10:

SELECT O.orderid, C.custid, C.companyname, O.orderdate,
SUM (OD.qty) AS [Total Order Amount Quantity]
FROM Sales.Orders AS O
JOIN Sales.Customers AS C
ON O.custid = C.custid
JOIN Sales.OrderDetails AS OD
ON O.orderid = OD.orderid
WHERE O.orderdate >= '07/01/2006' AND
O.orderdate < '08/01/2006'
GROUP BY O.orderid, C.custid, C.companyname, O.orderdate
ORDER BY [Total Order Amount Quantity] DESC

-------- I was not sure about this question and what did "order amount" mean
-------- As I understand order amount means the quantity of products ordered that month