**Basic Tasks**

1. There are the fields UnitPrice and Quantity in the OrderDetails table. Create a new field, TotalPrice, which multiplies these two fields together. Additionally, show the OrderID, ProductID, UnitPrice, and Quantity. Order by OrderID and ProductID.
2. Get the list of data about employees: First Name, Last Name, Hire Date who was hired in 1994.
3. Select a list of all the different values in the Customers table for ContactTitles. Also include a count for each ContactTitle.
4. Find quantity of employees in each department. Departments is the same as a title in the Employees table.
5. Show the associated Supplier for each product. Show the ProductID, ProductName, and the CompanyName of the Supplier. Sort by ProductID.
6. Update Ship Region to “Eastern Connection” for Spain in Orders if it is NULL and Ship Postal Code is 28023.
7. Show a list of the Orders that were made, including the Shipper that was used. Show the OrderID, OrderDate (date only) and CompanyName of the Shipper, and sort by OrderID. Show only those rows with an OrderID less than 11000.
8. Delete records from the Products table which are not available in stock and weren't ordered.

**Intermediate**

1. Define products that need reordering with the following condition - UnitsInStock plus UnitsOnOrder are less than or equal to ReorderLevel and Discontinued flag is false (0).
2. Selectcustomers with no region (null in the Region field) to be at the end, instead of at the top, where you’d normally find the null values. Within the same region, companies should be sorted by CustomerID. As a hint you can create a field with the Case statement, which allows you do to if/then logic. You want a field that is 1 when Region is null.
3. Select5 ship countries with the highest average freight charges. But instead of filtering for a particular year please use the last 12 months of order data, using as the end date the last OrderDate in Orders.
4. Find the list of the same Postal Codes between Suppliers and Customers tables.
5. SelectEmployeeID, LastName, OrderID, ProductName and Quantity and sort by OrderID and Product ID. As a hint you'll need to do a join between 4 tables, displaying only those fields that are necessary.
6. Show 10 orders with the most line items, in order of total line items. As ahint Using Orders and OrderDetails, you'll use Group by and count() functionality.
7. Get the number of products that were delivered by each supplier (company), which have a discount from the Unit Price more than 20%. Order records are represented from the biggest to lowest discount.
8. Determine orders which are late. You can use a combination of the RequiredDate and ShippedDate. If ShippedDate is actually after RequiredDate, you can be sure it's late.

**Advanced**

1. Get top 3 Region, City and Country of sales specialists which sold the biggest quantity of products.
2. Get the First Name, Last Name, Amount of sold products, Title of top 3 Sales who have the least amount of orders.
3. Need to categorize customers into groups, based on how much they ordered in 1997. Then, depending on which group the customer is in, it is needed to target the customer with different sales materials. The customer grouping categories are 0 to 1,000, 1,000 to 5,000, 5,000 to 10,000, and over 10,000.
4. Select those customers who have made more than 1 order in a 10 day period. As a hint you can use a self-join, with 2 instances of the Orders table, joined by CustomerID.
5. Show details for each order that was the first in that particular country, ordered by OrderID. So, we need one row per ShipCountry, and CustomerID, OrderID, and OrderDate should be the first order from that country.