Module 1 Assignment: Reading Data from Tables

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1. List the names of all the customers that have a credit limit that is less than $10,000.

Query:

SELECT CustomerName FROM Customer WHERE CreditLimit < 10000;

Result:

|  |
| --- |
| **CustomerName** |
| Toys Galore |
| The Everything Shop |
| Johnson's Department Store |
| Grove Historical Museum Store |
| Cards and More |
| Cricket Gift Shop |
| Unique Gifts |
| All Season Gifts |

1. List the order numbers for orders placed by customer number 586 on October 15, 2015.

Query:

SELECT OrderNum

FROM Orders

WHERE OrderDate = #10/15/2015#

AND CustomerNum ='586' ;

Result:

|  |
| --- |
| **OrderNum** |
| 51617 |
| 51623 |

1. List the name of each customer that placed an order for two different items in the same order.

Query:

SELECT DISTINCT ( Customer.CustomerName)

FROM (OrderLine INNER JOIN Orders ON Orders.OrderNum = OrderLine.OrderNum)

INNER JOIN Customer ON Customer.CustomerNum = Orders.CustomerNum

GROUP BY OrderLIne.OrderNum, Customer.CustomerName

HAVING COUNT(OrderLine.OrderNum) >1;

Result:

|  |
| --- |
| **CustomerName** |
| Almondton General Store |
| The Everything Shop |

1. Find the sum of the balances for all customers represented by Rafael Campos.

Query:

SELECT SUM(Customer.Balance) AS [SUM BALANCE]

FROM Customer

INNER JOIN Rep

ON Rep.RepNum = Customer.RepNum

WHERE Rep.FirstName = 'Rafael' AND Rep.LastName = 'Campos';

Result:

|  |
| --- |
| **SUM BALANCE** |
| $11,406.35 |

1. For each order placed on October 13, 2015, list the order number, order date, customer number, and customer name.

Query:

SELECT Orders.OrderNum AS [Order Num], Orders.OrderDate AS [Order Date],

Customer.CustomerNum AS [Customer Num], Customer.CustomerName AS [Customer Name]

FROM Orders

INNER JOIN Customer

ON Customer.CustomerNum = Orders.CustomerNum

WHERE OrderDate = #10/13/2015#;

Result:

|  |  |  |  |
| --- | --- | --- | --- |
| **Order Num** | **Order Date** | **Customer Num** | **Customer Name** |
| 51613 | 10/13/2015 | 386 | Johnson's Department Store |
| 51614 | 10/13/2015 | 260 | Brookings Direct |

1. TAL Distributors need to be able to contact customers when problems arise concerning an order. What other attributes could TAL include in the Customer table to assist in contacting customers?

There are two options for this request add more attributes or a table referencing Customer table.

* 1. The following attributes can be added to the Custsomer table:
     1. Contact Phone Number
     2. Fax Number
     3. Email
  2. Add Another table referencing Customer table by CustomerName. New table can be named Customer Conatct with the following attributes: Name, Role, Phone, Mobile, Email, Office Hours, Office Days