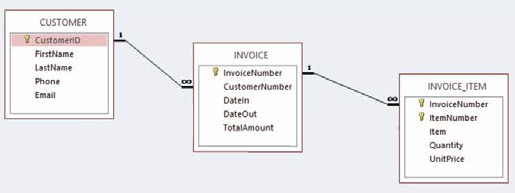
Marcia Wilson owns and operates Marcia’s Dry Cleaning, which is an upscale dry cleaner in a well-to-do suburban neighborhood. Marcia makes her business stand out from the competition by providing superior customer service. She wants to keep track of each of her customers and their orders. Ultimately, she wants to notify them that their clothes are ready via e-mail. To provide this service, she has developed an initial database with several tables. Three of those tables are the following:



Write down the SQL statement for each question. You don’t need to show the output table. I will provide the database in case you would like to check your answers. But again, all what I need is the SQL statements.

1. Show the LastName, FirstName, and Phone of all customers who have had an order with TotalAmount greater than $100.00. Use a subquery. Present the results sorted by LastName in ascending order and then FirstName in descending order.

Select LastName, FirstName, Phone

From CUSTOMER

Where CustomerID in

(Select CustomerNumber

From INVOICE

TotalAmount>100)

Order By LastName, FirstName DESC, Phone;

1. Show the LastName, FirstName and Phone of all customers who have had an order with TotalAmount greater than $100.00. Use a join, but do not use JOIN ON syntax. Present the results sorted by LastName in ascending order and then FirstName in descending order.

Select LastName, FirstName, Phone

From CUSTOMER, INVOICE

Where CUSTOMER.CustomerID=INVOICE.CustomerNumber

And TotalAmount>100

Order by LastName, FirstName DESC, Phone;

1. Show the LastName, FirstName and Phone of all customers who have had an order with TotalAmount greater than $100.00. Use a join using JOIN ON syntax. Present the results sorted by LastName in ascending order and then FirstName in descending order.

Select CUSTOMER.LastName, CUSTOMER.FirstName, CUSTOMER.Phone

From CUSTOMER, INVOICE

On CUSTOMER.CustomerID=INVOICE.CustomerNumber

Join INVOICE\_ITEM

On INVOICE.InvoiceNumber=INVOICE\_ITEM.InvoiceNumber

Where INVOICE.TotalAmount>100;

1. Show the LastName, FirstName and Phone of all customers who have had an order with an Item named “Dress Shirt”. Use a subquery. Present the results sorted by LastName in ascending order and then FirstName in descending order.

Select LastName, FirstName, Phone

From CUSTOMER

Where CustomerID in

(Select CustomerNumber

From INVOICE\_ITEM

Item=’Dress Shirt)

Order By LastName, FirstName DESC, Phone;

1. Show the LastName, FirstName and Phone of all customers who have had an order with an Item named “Dress Shirt”. Use a join, but do not use JOIN ON syntax. Present the results sorted by LastName in ascending order and then FirstName in descending order.

Select LastName, FirstName, Phone

From CUSTOMER, INVOICE\_ITEM

Where CUSTOMER.CustomerID=INVOICE.CustomerNumber

And Item=’Dress Shirt’

Order by LastName, FirstName DESC, Phone;

1. Show the LastName, FirstName and Phone of all customers who have had an order with an Item named “Dress Shirt”. Use a join using JOIN ON syntax. Present the results sorted by LastName in ascending order and then FirstName in descending order.

Select CUSTOMER.LastName, CUSTOMER.FirstName, CUSTOMER.Phone

From CUSTOMER, INVOICE\_ITEM

On CUSTOMER.CustomerID=INVOICE.CustomerNumber

Join INVOICE\_ITEM

On INVOICE.InvoiceNumber=INVOICE\_ITEM.InvoiceNumber

Where INVOICE\_ITEM.Item=’Dress Shirt’;

1. Show the LastName, FirstName, and Phone of all customers who have had an order with an Item named “Dress Shirt”. Use a combination of a join using JOIN ON syntax with a subquery. Present results sorted by LastName in ascending order and then FirstName in descending order.

Select LastName, FirstName, Phone

From CUSTOMER, INVOICE

Where CUSTOMER.CustomerID=INVOICE.CustomerNumber

And Invoice.InvoiceNumber

In ( Select InvoiceNumber

From INVOICE\_ITEM

Where Item=’Dress Shirt’)

Order by LastName, FirstName DESC;

**End of Assignment #3. Good Luck**