As I am wanting to make a start in my Data Analysis career, I have decided to go on Github to demonstrate my SQL syntax skills. I am going to <https://sqlzoo.net/wiki/AdventureWorks_easy_questions> for the challenges to complete. I have SQL Server Management Studio installed on my laptop and I have downloaded the BAK file AdventureWorksLT2019.bak to follow along with the exercises. I am able to run the querys within the SQL Server Management Studio environment and then run the query again in <https://sqlzoo.net/wiki/AdventureWorks_easy_questions> to see if the query I had run was correct. Attached to this repository is the BAK file, code snippets of the code ran when executing the queries, and the result I gathered from the query.

Challenge:

**Show the first name and the email address of customer with CompanyName 'Bike World'**

Syntax:

use AdventureWorksLT2019

GO

--SalesLT

SELECT FirstName, EmailAddress FROM SalesLT.Customer

WHERE CompanyName = 'Bike World'

Result:

Kerim kerim0@adventure-works.com

Kerim kerim0@adventure-works.com

Challenge:

**Show the CompanyName for all customers with an address in City 'Dallas**

Syntax:

use AdventureWorksLT2019

GO

--SalesLT

SELECT SalesLT.Customer.CompanyName

FROM

SalesLT.Customer

LEFT JOIN SalesLT.CustomerAddress ON

SalesLT.CustomerAddress.CustomerID = SalesLT.Customer.CustomerID

LEFT JOIN SalesLT.Address ON

SalesLT.Address.AddressID = SalesLT.CustomerAddress.AddressID

WHERE City = 'Dallas'

Result:

Unsurpassed Bikes

Third Bike Store

Town Industries

Rental Bikes

Elite Bikes

Elite Bikes

Challenge:

**How many items with ListPrice more than $1000 have been sold?**

Syntax:

SELECT COUNT(ListPrice) FROM SalesLT.Product

WHERE ListPrice > 1000

Result:

86

Challenge:

**Give the CompanyName of those customers with orders over $100000. Include the subtotal plus tax plus freight**

Syntax:

SELECT

SalesLt.Customer.CompanyName

FROM SalesLT.Customer

LEFT JOIN SalesLT.SalesOrderHeader ON

SalesLT.Customer.CustomerID = SalesLT.SalesOrderHeader.CustomerID

WHERE SalesLT.SalesOrderHeader.SubTotal +

SalesLT.SalesOrderHeader.TaxAmt +

SalesLT.SalesOrderHeader.Freight > 100000

Result:

Action Bicycle Specialists

Metropolitan Bicycle Supply

Challenge:

**Find the number of left racing socks ('Racing Socks, L') ordered by CompanyName 'Riding Cycles'**

Syntax:

use AdventureWorksLT2019

GO

--SalesLT

SELECT \* FROM SalesLT.Product

WHERE Name = 'Racing Socks, L'

-- product id 875

SELECT \* FROM SalesLT.SalesOrderDetail

SELECT

SalesLT.Customer.CustomerID AS customerCustomerID,

SalesLT.SalesOrderHeader.CustomerID AS salesOrderHeaderCustomerID,

SalesLT.SalesOrderHeader.SalesOrderID AS salesOrderHeaderOrderID,

SalesLT.SalesOrderDetail.SalesOrderID AS salesOrderDetailOrderID,

SalesLT.SalesOrderDetail.ProductID AS salesOrderDetailProductID,

SalesLT.Product.ProductID AS productProductID,

SalesLT.SalesOrderDetail.OrderQty

FROM

SalesLT.Customer

LEFT JOIN SalesLT.SalesOrderHeader ON

SalesLT.SalesOrderHeader.CustomerID = SalesLT.Customer.CustomerID

LEFT JOIN SalesLT.SalesOrderDetail ON

SalesLT.SalesOrderDetail.SalesOrderID = SalesLT.SalesOrderHeader.SalesOrderID

LEFT JOIN SalesLT.Product ON

SalesLT.Product.ProductId = SalesLT.SalesOrderDetail.ProductID

WHERE SalesLT.Customer.CompanyName = 'Riding Cycles' AND SalesLT.Product.ProductID = 875

Result:

customerCustomerID salesOrderHeaderCustomerID salesOrderHeaderOrderID salesOrderDetailOrderID salesOrderDetailProductID productProductID OrderQty

29796 29796 71797 71797 875 875 3