Section: 03

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Challenge 1

Q1:

-- Retrieve a list of cities

select distinct City,[StateProvince] from [SalesLT].[Address];

Q2:

-- Retrieve the heaviest products

SELECT TOP(10) PERCENT Name,

[Weight]

FROM [SalesLT].[Product] order by Weight desc;

Q3:

-- Retrieve the heaviest 100 products not including the heaviest ten

SELECT TOP (100) [Name],Weight

FROM [SalesLT].[Product]

WHERE 1=1 AND Weight NOT IN (

SELECT top (10) Weight FROM [SalesLT].[Product] order by Weight desc) order by Weight desc;

Challenge 2

Q1:

-- Retrieve product details for product model ID 1

select [Name],[Color],[Size] from [SalesLT].[Product] where [ProductModelID]= 1 ;

Q2:

-- Filter products by color and size

select [ProductNumber], [Name] from [SalesLT].[Product] where ([Color]= 'black' or [Color]= 'red' or [Color]='white') AND ([Size] = 'S' or [Size] = 'M');

Q3:

-- Filter Products by product number

select [ProductNumber],[Name],[ListPrice] from [SalesLT].[Product] where [ProductNumber] like 'BK-%';

Q4:

-- Retrieve specific products by product number

SELECT [ProductNumber],[Name],[ListPrice] from [SalesLT].[Product]

WHERE [ProductNumber] LIKE 'BK-[^R]%-[0-9][0-9]'