**Question List**

1. **Show the CompanyName for James D. Kramer**

//

SELECT CompanyName

FROM AdventureWorksLT2017.SalesLT.Customer

WHERE FirstName='James'

AND MiddleName='D.'

AND LastName='Kramer'

//

1. **Show all the addresses listed for 'Modular Cycle Systems'**

//

SELECT CompanyName,AddressType,AddressLine1

FROM SalesLT.Customer JOIN salesLt.CustomerAddress

ON (Customer.CustomerID=CustomerAddress.CustomerID)

JOIN salesLt.Address

ON (CustomerAddress.AddressID=Address.AddressID)

WHERE CompanyName='Modular Cycle Systems'

//

1. **Show OrdeQty, the Name and the ListPrice of the order made by CustomerID 635**

//

SELECT OrderQty,Name,ListPrice,CustomerID

FROM SalesLT.SalesOrderHeader JOIN SalesLT.SalesOrderDetail

ON SalesLT.SalesOrderDetail.SalesOrderID = SalesOrderHeader.SalesOrderID

JOIN SalesLT.Product

ON SalesLT.SalesOrderDetail.ProductID=SalesLT.Product.ProductID

WHERE CustomerID=635

//

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

//

select FirstName,EmailAddress,CompanyName from AdventureWorksLT2017.SalesLT.Customer

where CompanyName='bike world'

//

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

//

select CompanyName,City from AdventureWorksLT2017.SalesLT.Address

join AdventureWorksLT2017.SalesLT.CustomerAddress

on CustomerAddress.AddressID=Address.AddressID

join AdventureWorksLT2017.SalesLT.Customer

on CustomerAddress.CustomerID=Customer.CustomerID

where City='Dallas'

//

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

**//**

select Count(ListPrice) as satis from AdventureWorksLT2017.SalesLT.Product

where ListPrice1000

**//**

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

//

select CompanyName from AdventureWorksLT2017.SalesLT.Customer join AdventureWorksLT2017.SalesLT.SalesOrderHeader

on Customer.CustomerID=SalesOrderHeader.CustomerID

where SubTotal+Freight+TaxAmt>100000

daha farklı şekilde:

select CompanyName,SUM(SubTotal+Freight+TaxAmt) from AdventureWorksLT2017.SalesLT.Customer join AdventureWorksLT2017.SalesLT.SalesOrderHeader

on Customer.CustomerID=SalesOrderHeader.CustomerID

where SubTotal+Freight+TaxAmt>100000 group by CompanyName

//

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

**//**

select Name,CompanyName from AdventureWorksLT2017.SalesLT.Product

join AdventureWorksLT2017.SalesLT.SalesOrderDetail on SalesOrderDetail.ProductID=Product.ProductID

join AdventureWorksLT2017.SalesLT.SalesOrderHeader on SalesOrderHeader.SalesOrderID=SalesOrderDetail.SalesOrderID

join AdventureWorksLT2017.SalesLT.Customer on Customer.CustomerID=SalesOrderHeader.CustomerID

where Name='Racing Socks, L'

**//**

1. **A "Single Item Order" is a customer order where only one item is ordered. Show the SalesOrderID and the UnitPrice for every Single Item Order.**

**//** select SalesOrderID,UnitPrice,OrderQty as 'single item order' from AdventureWorksLT2017.SalesLT.SalesOrderDetail

where OrderQty=1

**//**

1. **Where did the racing socks go? List the product name and the CompanyName for all Customers who ordered ProductModel 'Racing Socks'.**

**//**

select Name,CompanyName,FirstName from AdventureWorksLT2017.SalesLT.Product

join AdventureWorksLT2017.SalesLT.SalesOrderDetail on SalesOrderDetail.ProductID=Product.ProductID

join AdventureWorksLT2017.SalesLT.SalesOrderHeader on SalesOrderHeader.SalesOrderID=SalesOrderDetail.SalesOrderID

join AdventureWorksLT2017.SalesLT.Customer on Customer.CustomerID=SalesOrderHeader.CustomerID

where Name= 'racing Socks, L'

**//**

1. **Show the product description for culture 'fr' for product with ProductID 736.**

**//**

select Culture,name,ProductID,Description from AdventureWorksLT2017.SalesLT.ProductModelProductDescription

join AdventureWorksLT2017.SalesLT.ProductDescription

on ProductDescription.ProductDescriptionID=ProductModelProductDescription.ProductDescriptionID

join AdventureWorksLT2017.SalesLT.Product on Product.ProductModelID = ProductModelProductDescription.ProductModelID

where culture ='fr' and ProductID=736

**//**

1. Top of Form
2. **Use the SubTotal value in SaleOrderHeader to list orders from the largest to the smallest. For each order show the CompanyName and the SubTotal and the total weight of the order.**

**//**

select SubTotal,CompanyName, Weight from AdventureWorksLT2017.SalesLT.SalesOrderHeader

INNER join AdventureWorksLT2017.SalesLT.Customer on SalesOrderHeader.CustomerID=Customer.CustomerID

INNER join AdventureWorksLT2017.SalesLT.SalesOrderDetail on SalesOrderDetail.SalesOrderID=SalesOrderHeader.SalesOrderID

INNER join AdventureWorksLT2017.SalesLT.Product on Product.ProductID=SalesOrderDetail.ProductID

order by SubTotal DESC

**//**

1. Top of Form
2. **How many products in ProductCategory 'Cranksets' have been sold to an address in 'London'?**

**//**

select count(City) from AdventureWorksLT2017.SalesLT.ProductCategory pc

join AdventureWorksLT2017.SalesLT.Product p on p.ProductCategoryID=pc.ProductCategoryID

join AdventureWorksLT2017.SalesLT.SalesOrderDetail on SalesOrderDetail.ProductID=p.ProductID

join AdventureWorksLT2017.SalesLT.SalesOrderHeader on SalesOrderHeader.SalesOrderID = SalesOrderDetail.SalesOrderID

join AdventureWorksLT2017.SalesLT.Address on Address.AddressID=SalesOrderHeader.BillToAddressID

where pc.Name ='Cranksets' and City ='london'

**//**

1. Top of Form
2. **For every customer with a 'Main Office' in Dallas show AddressLine1 of the 'Main Office' and AddressLine1 of the 'Shipping' address - if there is no shipping address leave it blank. Use one row per customer.**

**//**

select A.AddressLine1,CA.AddressType,C.CustomerID FROM AdventureWorksLT2017.SalesLT.CustomerAddress CA

join AdventureWorksLT2017.SalesLT.Address A on A.AddressID=CA.AddressID

join AdventureWorksLT2017.SalesLT.Customer C on C.CustomerID=CA.CustomerID

where City like 'dallas' and AddressType ='Main Office'

Union

select A.AddressLine1,CA.AddressType,C.CustomerID FROM AdventureWorksLT2017.SalesLT.CustomerAddress CA

join AdventureWorksLT2017.SalesLT.Address A on A.AddressID=CA.AddressID

join AdventureWorksLT2017.SalesLT.Customer C on C.CustomerID=CA.CustomerID

where City like 'dallas' and AddressType ='SHİPPİNG'

**//**

1. Top of Form
2. **Show the best selling item by value.**

**//**

select Name,SUM(SalesOrderDetail.UnitPrice\*SalesOrderDetail.OrderQty) as 'sum' from AdventureWorksLT2017.SalesLT.SalesOrderDetail

join AdventureWorksLT2017.SalesLT.Product on Product.ProductID=SalesOrderDetail.ProductID

group by name

order by sum desc

**//**

1. Top of Form
2. **Show how many orders are in the following ranges (in $):**

|  |  |  |
| --- | --- | --- |
| **Range** | **Number Of Orders** | **Total Value** |
| **0- 99** |  |  |
| **100- 999** |  |  |
| **1000-9999** |  |  |
| **10000-** |  |  |

**//**

SELECT

t.range AS 'RANGE',

COUNT(t.Total) AS 'Num Orders',

SUM(t.Total) AS 'Total Value'

FROM

(

SELECT

CASE

WHEN

SalesOrderDetail.UnitPrice \* SalesOrderDetail.OrderQty BETWEEN 0 AND 99

THEN

'0-99'

WHEN

SalesOrderDetail.UnitPrice \* SalesOrderDetail.OrderQty BETWEEN 100 AND 999

THEN

'100-999'

WHEN

SalesOrderDetail.UnitPrice \* SalesOrderDetail.OrderQty BETWEEN 1000 AND 9999

THEN

'1000-9999'

WHEN

SalesOrderDetail.UnitPrice \* SalesOrderDetail.OrderQty > 10000

THEN

'10000-'

ELSE

'Error'

END AS 'Range',

SalesOrderDetail.UnitPrice \* SalesOrderDetail.OrderQty AS Total

FROM

SalesLT.SalesOrderDetail

) t

GROUP BY

t.range;

**//**

**23 Identify the three most important cities. Show the break down of top level product category against city.**

**//**

select TOP 3 Address.City ,pd.Name,SUM(SalesOrderDetail.OrderQty \* SalesOrderDetail.UnitPrice) as t from AdventureWorksLT2017.SalesLT.Address

inner join AdventureWorksLT2017.SalesLT.SalesOrderHeader on

SalesOrderHeader.BillToAddressID=Address.AddressID

inner join AdventureWorksLT2017.SalesLT.SalesOrderDetail on

SalesOrderDetail.SalesOrderID=SalesOrderHeader.SalesOrderID

inner join AdventureWorksLT2017.SalesLT.Product

inner join AdventureWorksLT2017.SalesLT.ProductCategory pd on pd.ProductCategoryID =Product.ProductCategoryID

on Product.ProductID=SalesOrderDetail.ProductID

GROUP BY Address.City, pd.Name order by t desc

**//**

1. Top of Form
2. **Identify the five most important employee. Show the break down of top level product category against city.**
3. Top of Form
4. Top of Form