Create database DSA\_DB

Select \* from [KMS Customer]

Select \* from [KMS Orders]

1

Select Top 1 Product\_Category, SUM(Sales) As TotalSales

from [KMS Customer]

group by Product\_Category

order by TotalSales desc;

2

Select Top 3 Region, SUM(Sales) As TotalSales

from [KMS Customer]

group by Region

Order by TotalSales desc;

Select Top 3 Region, SUM(Sales) As TotalSales

from [KMS Customer]

group by Region

Order by TotalSales asc;

3

Select

SUM(Sales) As TotalSales

from [KMS Customer]

Where Product\_Sub\_Category = 'Appliances' AND Region = 'Ontario';

4

Select Top 10 Customer\_Name, SUM(Sales) As TotalSales

From [KMS Customer]

Group by Customer\_Name

Order by TotalSales asc;

Advice to management: Price Skimming, Product diversification, Discount sales, Recognition of loyal customers.

5

Select Shipping\_mode,SUM(Shipping\_Cost) As TotalCost

from [KMS Customer]

group by Shipping\_mode

order by TotalCost desc;

6

----Most Valuable Customers----

Select Top 3 Customer\_Name,SUM(Sales) As TotalSales

From [KMS Customer]

Group by Customer\_Name

Order by TotalSales desc;

----Purchase Frequency Of vauable Customers----

Select Customer\_Name, Product\_Category, COUNT(\*) As Purchase\_Frequency

From [KMS Customer]

Where Customer\_Name IN (

Select Top 3 Customer\_Name

From [KMS Customer]

Group by Customer\_Name

Order by SUM(Sales) desc

)

Group by Customer\_Name, Product\_Category

Order by Customer\_Name, Purchase\_Frequency desc;

7

Select Top 1 Customer\_Name, SUM(Sales) As TotalSales

From [KMS Customer]

Where Customer\_Segment = 'Small Business'

Group by Customer\_Name

Order by TotalSales desc;

8

Select Top 1 Customer\_Name, COUNT(DISTINCT Order\_ID) AS OrderCount

From [KMS Customer]

Where Customer\_Segment = 'Corporate'

AND Order\_Date BETWEEN '2009-01-01' AND '2012-12-31'

Group by Customer\_Name

Order by OrderCount desc;

9

Select Top 1 Customer\_Name, SUM(profit) As TotalProfit

From [KMS Customer]

Where Customer\_Segment = 'Consumer'

Group by Customer\_Name

Order by TotalProfit desc;

10

Select (Order\_ID, Customer\_Name, Customer\_Segment ) As Customer

From [KMS Customer]

Join (Order\_ID, Status) As Orders

From [KMS Orders]

Where Returned = 'Yes';

ON customer.Order\_ID = orders.Order\_ID

11

Select Order\_Priority, Shipping\_Mode, COUNT(\*) As OrderCount, SUM(Shipping\_Cost) As TotalCost

From [KMS Customer]

Group by Order\_Priority, Shipping\_mode

Order by Order\_Priority, Shipping\_mode;