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| QUERIES |  |
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|  | April 9, 2023Data Warehousing &Data MiningPresented By: |
|  | **SP21-BCS-007 Asad Ali** **SP21-BCS-003 Asad Ur Rehman****SP21-BCS-017 Haroon Shahzad** |

### MDX Queries:

1. SELECT [Measures].Members ON COLUMNS,

[Dim Promotion].[English Promotion Category].CHILDREN ON ROWS

FROM [Sales]

1. SELECT [Measures].[Total Sales Amount] ON COLUMNS,

[Dim Employee].[Department Name].[Department Name] ON ROWS,

[Dim Product].[Product by Size and Color].[Color] ON PAGES,

[Dim Product].[Product by Category].[Product Category].&[2] ON SECTIONS

FROM [Sales]

SELECT [Measures].[Total Sales Amount] ON COLUMNS,

{

[Dim Sales Territory].[Countries].[Sales Territory Country],

[Dim Sales Territory].[Countries].[Sales Territory Key]

} ON ROWS

FROM [Sales]

SELECT [Measures].[Total Sales Amount] ON COLUMNS,

{

DESCENDANTS([Dim Product].[Product by Category].[Product Category], [Dim Product].[Product by Category].[Product])

} ON ROWS

FROM [Sales]

SELECT ADDCALCULATEDMEMBERS([Measures].MEMBERS)ON COLUMNS,

{

DESCENDANTS([Dim Product].[Product by Category].[Product Category], [Dim Product].[Product by Category].[Product])

} ON ROWS

FROM [Sales]

SELECT {[Measures].[Total Sales Amount]} ON COLUMNS,

[Dim Promotion].[English Promotion Category].[English Promotion Category] ON ROWS,

[Dim Product].[Product by Category].[Product Category] ON PAGES

FROM [Sales]

WITH MEMBER [Measures].[Internet Profit Percent] AS

' ([Measures].[Internet Sales Amount] - [Measures].[Internet Cost Amount]) / [Measures].[Internet Cost Amount] ' ,FORMAT\_STRING='#.00%', SOLVE\_ORDER = 1

SELECT [Measures].[Internet Profit Percent] ON COLUMNS,

[Dim Product].[Product by Category].[Product Category] ON ROWS

FROM [Sales]

WITH MEMBER [Measures].[Internet Profit Percent] AS

' ([Measures].[Internet Sales Amount] - [Measures].[Internet Cost Amount]) / [Measures].[Internet Cost Amount] ' ,FORMAT\_STRING='#.00%', SOLVE\_ORDER = 1

SELECT [Measures].[Internet Profit Percent] ON COLUMNS,

[Dim Product].[Product by Category].[Product Category] ON ROWS,

[Dim Product].[Color by Size].[Color] ON PAGES,

[Dim Product].[Product by Size and Color].[Product] ON SECTIONS

FROM [Sales]

SELECT [Measures].[Total Sales Amount]ON COLUMNS,

[Dim Product].[Product by Category].[Product Category] ON ROWS

FROM [Sales]

WHERE ([Dim Date].[Calendar].[Calendar Year].&[2013])

WITH MEMBER [Measures].Growth AS

' [Measures].[Internet Profit] - ([Measures].[Internet Profit], [Dim Date].PREVEMBER) '

SELECT [Measures].Growth ON COLUMNS,

{ DESCENDANTS([Dim Date].[Calendar].[Calendar Year].&[2013], [Dim Date].[Calendar].[Month]) } ON ROWS

FROM [Sales]

SELECT {[Measures].[Internet Sales Amount], [Measures].[Reseller Sales Amount], [Measures].[Internet Profit], [Measures].[Reseller Profit]} ON COLUMNS,

([Promotion].[Promotion Name].&[PromotionA], [Ship Date].[Calendar].&[2022-01-01]) ON ROWS

FROM [Sales]

SELECT {[Measures].[Internet Order Quantity], [Measures].[Reseller Order Quantity]} ON COLUMNS,

([Product].[Category].&[CategoryA], [Product].[Subcategory].&[SubcategoryA]) ON ROWS

FROM [Sales]

SELECT {[Measures].[Internet Sales Amount], [Measures].[Reseller Sales Amount], [Measures].[Internet Profit], [Measures].[Reseller Profit]} ON COLUMNS,

([Order Date].[Calendar].&[2022-01-01]:[Order Date].[Calendar].&[2022-12-31]) ON ROWS

FROM [Sales]

SELECT {[Measures].[Internet Tax], [Measures].[Reseller Tax]} ON COLUMNS,

[Product].[Product Name].&[ProductA] ON ROWS

FROM [Sales]

SELECT {[Measures].[Internet Sales Amount], [Measures].[Reseller Sales Amount], [Measures].[Internet Profit], [Measures].[Reseller Profit]} ON COLUMNS,

([Employee].[Employee Name].&[EmployeeA], [Date].[Calendar].&[2022-01-01]) ON ROWS

FROM [Sales]

SELECT {[Measures].[Internet Order Quantity], [Measures].[Reseller Order Quantity]} ON COLUMNS,

([Country].[Country Name].&[CountryA], [Product].[Category].&[CategoryA]) ON ROWS

FROM [Sales]

SELECT {[Measures].[Internet Sales Amount], [Measures].[Reseller Sales Amount]} ON ROWS,

{[Measures].[Internet Profit], [Measures].[Reseller Profit]} ON COLUMNS,

[Promotion].[Promotion Name].&[PromotionA] ON PAGES,

[Ship Date].[Calendar].&[2022-01-01] ON SECTIONS

FROM [Sales]

SELECT {[Measures].[Internet Order Quantity], [Measures].[Reseller Order Quantity]} ON ROWS,

[Product].[Category].&[CategoryA] ON PAGES,

[Product].[Subcategory].&[SubcategoryA] ON SECTIONS

FROM [Sales]

SELECT {[Measures].[Internet Sales Amount], [Measures].[Reseller Sales Amount]} ON ROWS,

{[Measures].[Internet Profit], [Measures].[Reseller Profit]} ON COLUMNS,

[Order Date].[Calendar].&[2022-01-01]:[Order Date].[Calendar].&[2022-12-31] ON PAGES

FROM [Sales]

SELECT {[Measures].[Internet Sales Amount], [Measures].[Reseller Sales Amount]} ON ROWS,

{[Measures].[Internet Profit], [Measures].[Reseller Profit]} ON COLUMNS,

[Employee].[Employee Name].&[EmployeeA] ON PAGES,

[Date].[Calendar].&[2022-01-01]:[Date].[Calendar].&[2022-12-31] ON SECTIONS

FROM [Sales]