

Use Internet sales “Dataware housing”

- 1- Create Cube “Product Cube” that shows Product Qty over Years
  - a- Use Product Dimension to show (Product ID,Product Name) columns
  - b- Use time dimension to show (CalendarYear) column
  - c- Use [fact Sales] to Show (Qty) Measure
  
- 2- Create Cube “Prod\_Cust Cube” that shows the relation between Product, Customer over Time
  - a- Use Product Dimension to show (Product ID, Product Name, Product Category) columns
  - b- Use Customer Dimension to show (Customer ID, Customer Name, Product Address) columns
  - c- Use time Dimension to show (Calendar Year, Calendar Quarter) columns
  - d- Use [fact Sales] to Show (Qty, Total price) Measures
  - e- Create Calculated Measure “Sales Unit Price”  
  
$$\text{Note: Value Expression} = [\text{Qty Total Price}] / [\text{Qty}]$$
  - f- Create KPI Indicator “Qty KPI ” that indicates Qty of sales should be at least 1000 unit  
  
$$\text{Note: Status Indicator appears as “Faces”}$$
  - g- Create Arabic Translation For the dimensions and measures of this cube
  - h- Create Pivot table and Pivot Chart that describe the difference between QtyKPI and actual Qty . Note “Use Microsoft Excel 2007 ”
  
- 3- Create Cube “Sales Cube” that shows All Dimensions data in SalesDW :
  - a- Show the Measures (Customer Count, Product Count, sales man Count, Channel Count, Qty, Total Price, Fact table count “Number of orders”)
  - b- Create a perspective “Channel product perspective” that shows the Customer name , Channel Location , Qty Measure and the Total Price For each Qty
  
- 4- Use “Product Cube” to Create Pivot table and Pivot Chart that describe the data in this cube.  
Note “Use Microsoft Excel 2007 ”

