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DAX

- **Data Analysis Expressions**



New Column

- New Column for SalesValue:

$\text{SalesValue} = \text{Order}[\text{SalesPrice}] * \text{Order}[\text{quantity}]$



New Column

- New Column Unit Cost:
- UnitCosts = LOOKUPVALUE('Product'[unitCost];
Product'[idProduct];
Sales[idProduct])



Create New Table

- Create a new table for Date

```
Date = CALENDAR (DATE(2018;1;1); DATE(2020;12;31))
```

- or:

```
Date =  
  ADDCOLUMNS (  
    CALENDAR (DATE(2000;1;1); DATE(2025;12;31));  
    "Year"; YEAR ( [Date] )  
  )
```



Create New Table

- Create new table called BackMagicStore Including all orders corresponding to Black Magic (p3).

BlackMagicStore=FILTER(Orders,Orders[ProductID] = "p3")



Create Column for Customer type

- create a column with total

```
Total =SUMX(FILTER(Orders;  
Orders[CustomerID]=Customer[CustomerID]);  
[Quantity]*[SalesPrice])
```

- Create a column with total:

```
CustomerType = VAR TotalSales=Customer[Total]  
RETURN  
IF(TotalSales>100000;"Gold";"Silver")
```

