**Create table dim\_date:**

Dim\_date = ADDCOLUMNS(

CALENDAR(MIN(fact\_InternetSales[ShipDate]), MAX(fact\_InternetSales[ShipDate])),

"Year", YEAR([Date]),

"Month", MONTH([Date]),

"Month Name", FORMAT([Date], "MMMM"),

"Day of Week", FORMAT([Date], "DDDD"),

"Quarter", FORMAT([Date], "Q"),

"Year Quarter", FORMAT([Date], "YYYY") & "/Q" & FORMAT([Date], "Q")

)

**Create measures table:**

#Measures = GENERATESERIES(1, 1, 1)

**Create measure SalesAmountSelectedCurrency:**

SalesAmountSelectedCurrency =

VAR SalesAmount = SUM(fact\_InternetSales[SalesAmount])

VAR USDollars = CALCULATE(SalesAmount, dim\_Currency[CurrencyAlternateKey] = "USD")

VAR CADDollars = CALCULATE(SalesAmount, dim\_Currency[CurrencyAlternateKey] = "CAD")

VAR GBP = CALCULATE(SalesAmount, dim\_Currency[CurrencyAlternateKey] = "GBP")

VAR AUD = CALCULATE(SalesAmount, dim\_Currency[CurrencyAlternateKey] = "AUD")

VAR DEM = CALCULATE(SalesAmount, dim\_Currency[CurrencyAlternateKey] = "DEM")

VAR FRF = CALCULATE(SalesAmount, dim\_Currency[CurrencyAlternateKey] = "FRF")

RETURN

IF(

SELECTEDVALUE(dim\_Currency[CurrencyAlternateKey]) = "USD", USDollars,

IF(

SELECTEDVALUE(dim\_Currency[CurrencyAlternateKey]) = "CAD", CADDollars,

IF(

SELECTEDVALUE(dim\_Currency[CurrencyAlternateKey]) = "GBP", GBP,

IF(

SELECTEDVALUE(dim\_Currency[CurrencyAlternateKey]) = "AUD", AUD,

IF(

SELECTEDVALUE(dim\_Currency[CurrencyAlternateKey]) = "DEM", DEM,

IF(

SELECTEDVALUE(dim\_Currency[CurrencyAlternateKey]) = "FRF", FRF,

"No Currency Selected"

)

)

)

)

)

)

**Create Mesure TitleBar :**

TitleBar =

VAR CurrencySelected = IF(ISFILTERED(dim\_Currency[CurrencyAlternateKey]), VALUES(dim\_Currency[CurrencyAlternateKey]), BLANK())

RETURN

IF(

ISFILTERED(dim\_Currency[CurrencyAlternateKey]),

"Sales Amount in " & CurrencySelected & " vs All Currencies",

"Please, Select Currency from the Dropdown Menu"

)

**Create Measure TotalSalesAmount :**

TotalSalesAmount = SUM(fact\_InternetSales[SalesAmount])

**Create Measure TotalSalesAmountALL :**

TotalSalesAmountALL = CALCULATE([TotalSalesAmount], ALL(dim\_Currency))

**Create Measure Sales :**

%Sales = DIVIDE([TotalSalesAmount], [TotalSalesAmountALL]) \* 100

**Create Measure Previous One Month:**

PreviousOneMonth = CALCULATE([TotalSalesAmount], DATEADD(Dim\_date[Date], -1, MONTH))

**Create Measure Previous three months:**

PreviousThreeMonth = CALCULATE([TotalSalesAmount], DATEADD(Dim\_date[Date], -3, MONTH))

**Create Measure Previous six Months:**

PreviousSixMonth = CALCULATE([TotalSalesAmount], DATEADD(Dim\_date[Date], -6, MONTH))

**Create Measure sales Last Month:**

SalesLastMonth = CALCULATE([TotalSalesAmount], DATEADD(Dim\_date[Date], -1, MONTH))

## **Establishing Relationships :**

To enable time-based analysis, establish a relationship between the "Date" column in the dim\_date table and the "ShipDate" column in the fact\_InternetSales table. Follow these steps:

1. Navigate to the "Model" view.
2. Drag the "Date" column from the dim\_date table and drop it onto the "ShipDate" column in the fact\_InternetSales table.

**Create Executed measure :**

Executed = "Executed: " & FORMAT(NOW(), "YYYY-MM-DD HH:mm")

**Create TotalsalesAmountV2 :**

TotalSalesAmountV2 =SUM(fact\_InternetSales[SalesAmount])

**Create MapTitle measure:**

MapTitle = "Total Products Sold" & IF(ISFILTERED(dim\_SalesTerritory[SalesTerritoryCountry]), " in " & VALUES(dim\_SalesTerritory[SalesTerritoryCountry]), " Worldwide")