USE [TimePeriod]

GO

/\*\*\*\*\*\* Object: View [dbo].[ReportPeriods] Script Date: 2/13/2024 11:11:27 AM \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE VIEW [dbo].[ReportPeriods]

AS

WITH DateRange\_CTE ([PeriodID], [SortKeyID],[Period], [StartDate], [EndDate])

AS

(

SELECT CAST(1 AS int) as [PeriodID]

,CAST(1 AS int) as [SortKeyID]

,CONVERT(VARCHAR(100),'Prior Week') AS [Period]

,CONVERT(DATETIME,DATEADD(wk,DATEDIFF(wk,0,GETDATE()),-7)) AS Startdate

,CONVERT(DATETIME,DATEADD(wk,DATEDIFF(wk,0,GETDATE()),-1)) AS Enddate

UNION ALL

SELECT CAST(2 AS int) as [PeriodID]

,CAST(2 AS int) as [SortKeyID]

,CONVERT(VARCHAR(100),'Prior Month') AS [Period]

,CONVERT(DATETIME,DATEADD(mm,-1,DATEADD(mm,DATEDIFF(mm,0,GETDATE()),0))) AS Startdate

,CONVERT(DATETIME, CONVERT(DATE, DATEADD(ms,-3,DATEADD(mm,DATEDIFF(mm,0,GETDATE()),0)))) AS Enddate

UNION ALL

SELECT CAST(3 AS int) as [PeriodID]

,CAST(3 AS int) as [SortKeyID]

,CONVERT(VARCHAR(100),'Prior Quarter') AS [Period]

,DATEADD(qq, DATEDIFF(q,2,GETDATE())-1,0) AS Startdate

,DATEADD(qq, DATEDIFF(q,2,GETDATE()),0)-1 AS Enddate

UNION ALL

SELECT CAST(4 AS int) as [PeriodID]

,CAST(4 AS int) as [SortKeyID]

,CONVERT(VARCHAR(100),'Prior Year') AS [Period]

,CONVERT(DATETIME,'1/1/' + CAST(year(GETDATE())-1 AS VARCHAR(4))) AS Startdate

,CONVERT(DATETIME,'1/1/' + CAST(year(GETDATE()) AS VARCHAR(4)))-1 AS Enddate

UNION ALL

SELECT CAST(5 AS int) as [PeriodID]

,CAST(5 AS int) as [SortKeyID]

,CONVERT(VARCHAR(100),'Year To Date Prior Month') AS [Period]

,CASE WHEN MONTH(GETDATE()) = 1

THEN CONVERT(DATETIME,'1/1/' + CAST(year(GETDATE())-1 AS VARCHAR(4)))

ELSE CONVERT(DATETIME,'1/1/' + CAST(year(GETDATE()) AS VARCHAR(4)))

END AS Startdate

,CONVERT(DATETIME,CONVERT(DATE,DATEADD(ms,-3,DATEADD(mm,DATEDIFF(mm,0,GETDATE()),0)))) AS Enddate

UNION ALL

SELECT CAST(6 AS int) as [PeriodID]

,CAST(6 AS int) as [SortKeyID]

,CONVERT(VARCHAR(100),'Month To Date') AS [Period]

,CONVERT(DATETIME,DATEADD(mm,DATEDIFF(mm,0,GETDATE()),0)) AS Startdate

,CONVERT(DATETIME,CONVERT(DATE,GETDATE())) AS Enddate

UNION ALL

SELECT CAST(7 AS int) as [PeriodID]

,CAST(7 AS int) as [SortKeyID]

,CONVERT(VARCHAR(100),'Quarter to Date') AS [Period]

,DATEADD(qq, DATEDIFF(q,0,GETDATE()),0) AS Startdate

,CONVERT(DATETIME,CONVERT(DATE,GETDATE())) AS Enddate

UNION ALL

SELECT

CAST(8 AS int) as [PeriodID]

,CAST(8 AS int) as [SortKeyID]

,CONVERT(VARCHAR(100),'Year To Date') AS [Period]

,CONVERT(DATETIME,'1/1/' + CAST(year(GETDATE()) AS VARCHAR(4))) AS Startdate

,CONVERT(DATETIME,CONVERT(DATE,GETDATE())) AS Enddate

UNION ALL

SELECT

CAST(9 AS int) as [PeriodID]

,CAST(9 AS int) as [SortKeyID]

,CONVERT(VARCHAR(100),'Yesterday') AS [Period]

,CONVERT(DATETIME,CONVERT(DATE,GETDATE()))-1 AS Startdate

,CONVERT(DATETIME,CONVERT(DATE,GETDATE()))-1 AS Enddate

UNION ALL

SELECT CAST(10 AS int) as [PeriodID]

,CAST(10 AS int) as [SortKeyID]

,CONVERT(VARCHAR(100),'Prior 2 Days') AS [Period]

,CONVERT(DATE,GETDATE()-2) AS Startdate

,CONVERT(DATE,GETDATE()-1) AS Enddate

UNION ALL

SELECT CAST(11 AS int) as [PeriodID]

,CAST(11 AS int) as [SortKeyID]

,CONVERT(VARCHAR(100),'Prior 5 Days') AS [Period]

,CONVERT(DATE,GETDATE()-5) AS Startdate

,CONVERT(DATE,GETDATE()-1) AS Enddate

UNION ALL

SELECT CAST(12 AS int) as [PeriodID]

,CAST(12 AS int) as [SortKeyID]

,CONVERT(VARCHAR(100),'Rolling 12 Prior Month') AS [Period]

,DATEADD(YY, -1, DATEADD(mm,DATEDIFF(mm,0,GETDATE()),0)) AS Startdate

,DATEADD(ms,-3,DATEADD(mm,DATEDIFF(mm,0,GETDATE()),0)) AS Enddate

UNION ALL

----Default is used with default date range hard coded into SQL of the report

SELECT

CAST(-98 AS int) as [PeriodID]

,CAST(98 AS int) as [SortKeyID]

,CONVERT(VARCHAR(100),'Default') AS [Period]

,CONVERT(DATE,GETDATE()) AS Startdate

,CONVERT(DATE,GETDATE()) AS Enddate

UNION ALL

----Custom Period is for when the user wants to set the dates at runtime

SELECT

CAST(-99 AS int) as [PeriodID]

,CAST(99 AS int) as [SortKeyID]

,CONVERT(VARCHAR(100),'Custom Period') AS [Period]

,CONVERT(DATE,GETDATE()) AS Startdate

,CONVERT(DATE,GETDATE()) AS Enddate

)

SELECT Period

,[PeriodID] AS Period\_ID

,CAST(Startdate AS DATE) as StartDate

,CAST(Enddate AS DATE) as EndDate

,[SortKeyID] AS SortKey\_ID

FROM DateRange\_CTE

GO