**SQL Server Part**

Create a database in the name of PerformanceDB

Run this query to create data table

USE [PerformanceDB]

GO

/\*\*\*\*\*\* Object: Table [dbo].[MonthlyResultsTbl] Script Date: 12-06-2024 20:30:25 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[MonthlyResultsTbl](

[Month\_Year] [date] NOT NULL,

[State\_Name] [nvarchar](50) NOT NULL,

[Revenue\_Amt] [float] NOT NULL,

[Net\_Result] [float] NOT NULL

) ON [PRIMARY]

GO

Run this query to Create function

USE [PerformanceDB]

GO

/\*\*\*\*\*\* Object: UserDefinedFunction [dbo].[fn\_MonthlyPerformanceData] Script Date: 12-06-2024 20:30:25 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

-- =============================================

-- Author: <Author,,Name>

-- Create date: <Create Date,,>

-- Description: <Description,,>

-- =============================================

CREATE FUNCTION [dbo].[fn\_MonthlyPerformanceData]

(

-- Add the parameters for the function here

)

RETURNS TABLE

AS

RETURN

(

-- Add the SELECT statement with parameter references here

WITH FinancialYears AS (

SELECT

Month\_Year,

CASE

WHEN MONTH(Month\_Year) < 4 THEN

CAST(YEAR(Month\_Year) - 1 AS VARCHAR(4)) + '-' + CAST(YEAR(Month\_Year) AS VARCHAR(4))

ELSE

CAST(YEAR(Month\_Year) AS VARCHAR(4)) + '-' + CAST(YEAR(Month\_Year) + 1 AS VARCHAR(4))

END AS Fyear,

State\_Name,

Revenue\_Amt,

Net\_Result

FROM

PerformanceDB.dbo.MonthlyResultsTbl

)

SELECT

Month\_Year,

Fyear,

State\_Name,

Revenue\_Amt,

Net\_Result,

CASE

WHEN Fyear = '2022-2023' THEN 'PYEAR'

ELSE 'CYEAR'

END AS FyearName

FROM

FinancialYears

)

GO

Sample data is in the text file which you could import into your database- file name: MonthlyPerformanceData.txt