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