Important SQL Query

1. Upcomming data

```
ALTER PROCEDURE [dbo].[sp_pbsrUpcomingData]
    @centercode varchar(100)

AS
BEGIN
    IF @centercode <> '099'
    BEGIN
            --SELECT
            --(SELECT COUNT(*) AS upcomingfollowup FROM pbsr WHERE
pbsr_duedatefollowup > CONVERT(date, GETDATE()) AND pbsr_cencode = @centercode)
'UpcomingFollowCase',
            --(SELECT COUNT(*) AS threemonth FROM pbsr WHERE pbsr_cencode =
@centercode AND pbsr_dateentry BETWEEN DATEADD(day, -1090, CONVERT(date, GETDATE()))
AND CONVERT(date, GETDATE())) AS 'Three Months',
            --(SELECT COUNT(*) AS onemonth FROM pbsr WHERE pbsr_cencode =
@centercode AND pbsr_dateentry BETWEEN DATEADD(day, -30, CONVERT(date, GETDATE())) AND
CONVERT(date, GETDATE())) AS 'One Month',
            --(SELECT COUNT(*) AS fourteenday FROM pbsr WHERE pbsr_cencode =
@centercode AND pbsr_dateentry BETWEEN DATEADD(day, -15, CONVERT(date, GETDATE())) AND
CONVERT(date, GETDATE())) AS 'Fortnight',
            --(SELECT COUNT(*) AS lastweek FROM pbsr WHERE pbsr_cencode =
@centercode AND pbsr_dateentry BETWEEN DATEADD(day, -6, CONVERT(date, GETDATE())) AND
CONVERT(date, GETDATE())) AS 'Week',
            --(SELECT COUNT(*) AS today FROM pbsr WHERE pbsr_cencode = @centercode
AND  pbsr_dateentry = CONVERT(date, GETDATE())) AS 'Today'

        SELECT
    (SELECT COUNT(*) FROM pbsr WHERE TRY_CONVERT(date, pbsr_duedatefollowup) >
CONVERT(date, GETDATE()) AND pbsr_cencode = @centercode) AS 'UpcomingFollowCase',
        (SELECT COUNT(*) FROM pbsr WHERE pbsr_cencode = @centercode AND
TRY_CONVERT(date, pbsr_dateentry) BETWEEN DATEADD(day, -1090, CONVERT(date,
GETDATE())) AND CONVERT(date, GETDATE())) AS 'Three Months',
        (SELECT COUNT(*) FROM pbsr WHERE pbsr_cencode = @centercode AND
TRY_CONVERT(date, pbsr_dateentry) BETWEEN DATEADD(day, -30, CONVERT(date, GETDATE()))
AND CONVERT(date, GETDATE())) AS 'One Month',
        (SELECT COUNT(*) FROM pbsr WHERE pbsr_cencode = @centercode AND
TRY_CONVERT(date, pbsr_dateentry) BETWEEN DATEADD(day, -15, CONVERT(date, GETDATE()))
AND CONVERT(date, GETDATE())) AS 'Fortnight',
        (SELECT COUNT(*) FROM pbsr WHERE pbsr_cencode = @centercode AND
TRY_CONVERT(date, pbsr_dateentry) BETWEEN DATEADD(day, -6, CONVERT(date, GETDATE()))
AND CONVERT(date, GETDATE())) AS 'Week',
        (SELECT COUNT(*) FROM pbsr WHERE pbsr_cencode = @centercode AND
TRY_CONVERT(date, pbsr_dateentry) = CONVERT(date, GETDATE())) AS 'Today'

    END
    ELSE
    BEGIN
            --SELECT
            --(SELECT COUNT(*) AS upcomingfollowup FROM pbsr WHERE pbsr_duedatefollowup
> CONVERT(date, GETDATE())) 'UpcomingFollowCase',
            --(SELECT COUNT(*) AS threemonth FROM pbsr WHERE  pbsr_dateentry BETWEEN
DATEADD(day, -1090, CONVERT(date, GETDATE())) AND CONVERT(date, GETDATE())) AS 'Three
Months',
            --(SELECT COUNT(*) AS onemonth FROM pbsr WHERE pbsr_dateentry BETWEEN
DATEADD(day, -30, CONVERT(date, GETDATE())) AND CONVERT(date, GETDATE())) AS 'One
Month',
```

```sql
        --(SELECT COUNT(*) AS fourteenday FROM pbsr WHERE  pbsr_dateentry BETWEEN
DATEADD(day, -15, CONVERT(date, GETDATE())) AND CONVERT(date, GETDATE())) AS
'Fortnight',
        --(SELECT COUNT(*) AS lastweek FROM pbsr WHERE pbsr_dateentry BETWEEN
DATEADD(day, -6, CONVERT(date, GETDATE())) AND CONVERT(date, GETDATE())) AS 'Week',
        --(SELECT COUNT(*) AS today FROM pbsr WHERE  pbsr_dateentry =
CONVERT(date, GETDATE())) AS 'Today'
    SELECT
    (SELECT COUNT(*) FROM pbsr WHERE TRY_CONVERT(date, pbsr_duedatefollowup) >
CONVERT(date, GETDATE())) AS 'UpcomingFollowCase',
      (SELECT COUNT(*) FROM pbsr WHERE TRY_CONVERT(date, pbsr_dateentry) BETWEEN
DATEADD(day, -1090, CONVERT(date, GETDATE())) AND CONVERT(date, GETDATE())) AS 'Three
Months',
      (SELECT COUNT(*) FROM pbsr WHERE TRY_CONVERT(date, pbsr_dateentry) BETWEEN
DATEADD(day, -30, CONVERT(date, GETDATE())) AND CONVERT(date, GETDATE())) AS 'One
Month',
      (SELECT COUNT(*) FROM pbsr WHERE TRY_CONVERT(date, pbsr_dateentry) BETWEEN
DATEADD(day, -15, CONVERT(date, GETDATE())) AND CONVERT(date, GETDATE())) AS
'Fortnight',
      (SELECT COUNT(*) FROM pbsr WHERE TRY_CONVERT(date, pbsr_dateentry) BETWEEN
DATEADD(day, -6, CONVERT(date, GETDATE())) AND CONVERT(date, GETDATE())) AS 'Week',
      (SELECT COUNT(*) FROM pbsr WHERE TRY_CONVERT(date, pbsr_dateentry) =
CONVERT(date, GETDATE())) AS 'Today'

    END
END
```

2.   Last Seven day data

```sql
USE [NSRP_PBSR_V1]
GO
/****** Object:  StoredProcedure [dbo].[sp_pbsrweekgraph]    Script Date: 29-04-2025
09:29:12 ******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO




ALTER PROCEDURE [dbo].[sp_pbsrweekgraph]
    @centercode varchar(100)
AS
BEGIN
    IF @centercode <> '099'
    BEGIN
        WITH DateRange AS (
            SELECT CAST(GETDATE() - 7 AS DATE) AS [Date]
            UNION ALL
            SELECT DATEADD(DAY, 1, [Date])
            FROM DateRange
            WHERE [Date] < CAST(GETDATE() - 1 AS DATE)
```

```sql
            ),
            OldestDayOfWeek AS (
                SELECT DATEPART(WEEKDAY, CAST(GETDATE() - 7 AS DATE)) AS
OldestWeekdayNumber
            ),
            WeekData AS (
                SELECT
                    DATENAME(WEEKDAY, d.[Date]) AS WeekDay,
                    DATEPART(WEEKDAY, d.[Date]) AS WeekDayNumber,
                    ISNULL(SUM(CASE WHEN y.pbsr_completeflag = 'f' THEN 1 ELSE 0 END), 0)
AS FinalCase,
                    ISNULL(SUM(CASE WHEN y.pbsr_completeflag = 'd' THEN 1 ELSE 0 END), 0)
AS DraftCase
                FROM
                    DateRange d
                    LEFT JOIN pbsr y ON CAST(y.pbsr_dateentry AS DATE) = d.[Date]
                    AND y.pbsr_cencode = @centercode
                GROUP BY
                    DATENAME(WEEKDAY, d.[Date]),
                    DATEPART(WEEKDAY, d.[Date])
            )
            SELECT
                WeekDay,
                DraftCase,
                FinalCase
            FROM
                WeekData wd
                CROSS JOIN OldestDayOfWeek od
            ORDER BY
                (wd.WeekDayNumber - od.OldestWeekdayNumber + 7) % 7
        END
    ELSE
    BEGIN
        WITH DateRange AS (
            SELECT CAST(GETDATE() - 7 AS DATE) AS [Date]
            UNION ALL
            SELECT DATEADD(DAY, 1, [Date])
            FROM DateRange
            WHERE [Date] < CAST(GETDATE() - 1 AS DATE)
        ),
        OldestDayOfWeek AS (
            SELECT DATEPART(WEEKDAY, CAST(GETDATE() - 7 AS DATE)) AS
OldestWeekdayNumber
        ),
        WeekData AS (
            SELECT
                DATENAME(WEEKDAY, d.[Date]) AS WeekDay,
                DATEPART(WEEKDAY, d.[Date]) AS WeekDayNumber,
                ISNULL(SUM(CASE WHEN y.pbsr_completeflag = 'f' THEN 1 ELSE 0 END), 0)
AS FinalCase,
                ISNULL(SUM(CASE WHEN y.pbsr_completeflag = 'd' THEN 1 ELSE 0 END), 0)
AS DraftCase
            FROM
                DateRange d
                LEFT JOIN pbsr y ON CAST(y.pbsr_dateentry AS DATE) = d.[Date]
            GROUP BY
                DATENAME(WEEKDAY, d.[Date]),
                DATEPART(WEEKDAY, d.[Date])
        )
        SELECT
            WeekDay,
            DraftCase,
```

```
            FinalCase
        FROM
            WeekData wd
            CROSS JOIN OldestDayOfWeek od
        ORDER BY
            (wd.WeekDayNumber - od.OldestWeekdayNumber + 7) % 7
    END
        END
```

Last 14 Days graph

```
ALTER PROCEDURE [dbo].[sp_pbsrLFourteenDay]
    @centercode varchar(100)

AS
BEGIN
    IF @centercode <> '099'
    BEGIN
            SELECT CONVERT(VARCHAR, CONVERT(DATE, pbsr_dateentry, 103), 103) AS
DueDate,  COUNT(*) AS fourteenday FROM pbsr WHERE  pbsr_dateentry BETWEEN DATEADD(day,
-15, CONVERT(date, GETDATE())) AND CONVERT(date, GETDATE())  AND
pbsr_cencode=@centercode  GROUP BY CONVERT(DATE, pbsr_dateentry, 103) ORDER BY
CONVERT(DATE, pbsr_dateentry, 103)
    END
    ELSE
    BEGIN
        SELECT CONVERT(VARCHAR, CONVERT(DATE, pbsr_dateentry, 103), 103) AS DueDate,
COUNT(*) AS fourteenday FROM pbsr WHERE  pbsr_dateentry BETWEEN DATEADD(day, -15,
CONVERT(date, GETDATE())) AND CONVERT(date, GETDATE()) GROUP BY CONVERT(DATE,
pbsr_dateentry, 103) ORDER BY CONVERT(DATE, pbsr_dateentry, 103)
    END
        END
```

MONTH WISE DATA OF A YEAR

```
ALTER PROCEDURE [dbo].[sp_pbsrmonthgraph]
    @centercode varchar(100),
        @curyear varchar(100)

AS
BEGIN
    IF @centercode <> '099'
```

```sql
BEGIN
    SELECT CASE RIGHT('0' + CAST(MONTHS.month_num AS VARCHAR(2)), 2)
                        WHEN '01' THEN 'Jan'
                        WHEN '02' THEN 'Feb'
                        WHEN '03' THEN 'Mar'
                        WHEN '04' THEN 'Apr'
                        WHEN '05' THEN 'May'
                        WHEN '06' THEN 'Jun'
                        WHEN '07' THEN 'Jul'
                        WHEN '08' THEN 'Aug'
                        WHEN '09' THEN 'Sep'
                        WHEN '10' THEN 'Oct'
                        WHEN '11' THEN 'Nov'
                        WHEN '12' THEN 'Dec'
                        ELSE 'Unknown'
                        END AS month_name,
                        ISNULL(COUNT(pbsr.pbsr_dateonset), 0) AS TotalCases
                        FROM
                        (SELECT 1 AS month_num UNION ALL SELECT 2 UNION ALL
SELECT 3 UNION ALL SELECT 4 UNION ALL SELECT 5 UNION ALL SELECT 6 UNION ALL SELECT 7
UNION ALL SELECT 8 UNION ALL SELECT 9 UNION ALL SELECT 10 UNION ALL SELECT 11 UNION
ALL SELECT 12) AS MONTHS
                        LEFT JOIN pbsr
                        ON RIGHT('0' + CAST(MONTHS.month_num AS VARCHAR(2)), 2)
= SUBSTRING(pbsr.pbsr_dateentry, 5, 2)
                        AND pbsr.pbsr_cencode =@centercode
                        AND LEFT(pbsr.pbsr_dateentry, 4) = @curyear
                        GROUP BY MONTHS.month_num
                        ORDER BY MONTHS.month_num
    END
    ELSE
    BEGIN
        SELECT CASE RIGHT('0' + CAST(MONTHS.month_num AS VARCHAR(2)), 2)
                        WHEN '01' THEN 'Jan'
                        WHEN '02' THEN 'Feb'
                        WHEN '03' THEN 'Mar'
                        WHEN '04' THEN 'Apr'
                        WHEN '05' THEN 'May'
                        WHEN '06' THEN 'Jun'
                        WHEN '07' THEN 'Jul'
                        WHEN '08' THEN 'Aug'
                        WHEN '09' THEN 'Sep'
                        WHEN '10' THEN 'Oct'
                        WHEN '11' THEN 'Nov'
                        WHEN '12' THEN 'Dec'
                        ELSE 'Unknown'
                        END AS month_name,
                        ISNULL(COUNT(pbsr.pbsr_dateonset), 0) AS TotalCases
                        FROM
                        (SELECT 1 AS month_num UNION ALL SELECT 2 UNION ALL
SELECT 3 UNION ALL SELECT 4 UNION ALL SELECT 5 UNION ALL SELECT 6 UNION ALL SELECT 7
UNION ALL SELECT 8 UNION ALL SELECT 9 UNION ALL SELECT 10 UNION ALL SELECT 11 UNION
ALL SELECT 12) AS MONTHS
                        LEFT JOIN pbsr
                        ON RIGHT('0' + CAST(MONTHS.month_num AS VARCHAR(2)), 2)
= SUBSTRING(pbsr.pbsr_dateentry, 5, 2)
                        AND LEFT(pbsr.pbsr_dateentry, 4) = @curyear
                        GROUP BY MONTHS.month_num
                        ORDER BY MONTHS.month_num
    END
      END
```

UPCOMING FOLLOW-UP

```sql
ALTER PROCEDURE [dbo].[sp_pbsrupcomingfollow]
    @centercode varchar(100)

AS
BEGIN
    IF @centercode <> '099'
    BEGIN
            --SELECT CONVERT(VARCHAR, CONVERT(DATE, pbsr_duedatefollowup, 103), 103)
AS DueDate, COUNT(*) AS upcomingfollowup FROM pbsr WHERE CONVERT(DATE,
pbsr_duedatefollowup, 103) > CAST(GETDATE() AS DATE) and pbsr_cencode=@centercode
GROUP BY CONVERT(DATE, pbsr_duedatefollowup, 103) ORDER BY CONVERT(DATE,
pbsr_duedatefollowup, 103)
        SELECT
    CONVERT(VARCHAR, TRY_CONVERT(DATE, pbsr_duedatefollowup, 103), 103) AS DueDate,
    COUNT(*) AS upcomingfollowup
        FROM pbsr WHERE TRY_CONVERT(DATE, pbsr_duedatefollowup, 103) > CAST(GETDATE()
AS DATE) AND pbsr_cencode = @centercode
        GROUP BY TRY_CONVERT(DATE, pbsr_duedatefollowup, 103)
        ORDER BY TRY_CONVERT(DATE, pbsr_duedatefollowup, 103);

    END
    ELSE
    BEGIN
          --SELECT CONVERT(VARCHAR, CONVERT(DATE, pbsr_duedatefollowup, 103), 103) AS
DueDate, COUNT(*) AS upcomingfollowup FROM pbsr WHERE CONVERT(DATE,
pbsr_duedatefollowup, 103) > CAST(GETDATE() AS DATE) GROUP BY CONVERT(DATE,
pbsr_duedatefollowup, 103) ORDER BY CONVERT(DATE, pbsr_duedatefollowup, 103)

        SELECT
    CONVERT(VARCHAR, TRY_CONVERT(DATE, pbsr_duedatefollowup, 103), 103) AS DueDate,
    COUNT(*) AS upcomingfollowup
        FROM pbsr WHERE TRY_CONVERT(DATE, pbsr_duedatefollowup, 103) > CAST(GETDATE()
AS DATE)
        GROUP BY TRY_CONVERT(DATE, pbsr_duedatefollowup, 103)
        ORDER BY TRY_CONVERT(DATE, pbsr_duedatefollowup, 103);

    END
        END
```