Question:

```
SELECT
A.[ParentItem] AS 'ItemCode',
A.[ParentItemName] AS 'ItemName',
OITM.[OnHand] AS 'InStock',
OITM.[PrdStdCst],
SUM(A.[UnitCost(Local Currency)]) AS 'UnitCost',
COALESCE(OITM.[U_Pcost], 0) AS 'PackingCost',
-- UnitCost * (MiscCost% / 100) = MiscCost
(SUM(A.[UnitCost(Local Currency)]) * (COALESCE(OITM.U_Mcost, 0) / 100)) AS 'MiscCost',
-- UnitCost + PackingCost + MiscCost = TotalUnitCost
(SUM(A.[UnitCost(Local Currency)])) + (COALESCE(OITM.[U_Pcost], 0)) +
((SUM(A.[UnitCost(Local Currency)]) * (COALESCE(OITM.U_Mcost, 0) / 100))) AS
'TotalUnitCost',
OITB.[ItmsGrpNam] AS 'ItemGroup',
OMRC.[FirmName] AS 'Brand',
LS.[LastSalesPrice],
COALESCE(CONVERT(VARCHAR, LS.[LastSalesDate], 23), 'No Transaction') AS
'LastSalesDate',
CASE
    WHEN LS.[LastSalesDate] IS NOT NULL
            -- Last Sales Price - Total Unit Cost = Gross Profit
    THEN ( LS.[LastSalesPrice] - (SUM(A.[UnitCost(Local Currency)])) -
(COALESCE(OITM.[U_Pcost], 0)) - ((SUM(A.[UnitCost(Local Currency)]) *
(COALESCE(OITM.U_Mcost, 0) / 100))) )
    ELSE NULL
  END AS 'GrossProfit',
CASE
    WHEN LS.[LastSalesDate] IS NOT NULL
            -- Gross Profit / Last Sales Price = Gross Profit %
    THEN
                CASE
                    WHEN LS.[LastSalesPrice] = 0
                    -- Gross Profit / 1 = Gross Profit %
                    THEN ( LS.[LastSalesPrice] - (SUM(A.[UnitCost(Local
Currency)])) - (COALESCE(OITM.[U_Pcost], 0)) - ((SUM(A.[UnitCost(Local Currency)]) *
(COALESCE(OITM.U_Mcost, 0) / 100))) )
                        ELSE ( ((( LS.[LastSalesPrice] - (SUM(A.[UnitCost(Local
Currency)])) - (COALESCE(OITM.[U_Pcost], 0)) - ((SUM(A.[UnitCost(Local Currency)]) *
(COALESCE(OITM.U_Mcost, 0) / 100))) )) / LS.[LastSalesPrice] )
                    END
    ELSE NULL
  END AS 'GrossProfit%'
```

```
FROM
(
        SELECT
                OITT.Code AS 'ParentItem',
            OITT.Name AS 'ParentItemName',
                ITT1.Code AS 'ComponentItem',
                OITM.ItemName AS 'ComponentName',
                ITT1.Quantity AS 'ComponentQuantity',
                ITT1.Currency AS 'ComponentCurrency',
                ITT1.Price AS 'ComponentPrice',
                ORTT.Rate AS 'ExchangeRate',
                --(ITT1.Price * ITT1.Quantity * ORTT.Rate) AS 'Converted Cost (Local Currency)'
                case when ITT1.Currency = 'SGD' THEN (ITT1.Price * ITT1.Quantity)
                ELSE (ITT1.Price * ITT1.Quantity * ORTT.Rate) END AS 'UnitCost(Local
Currency)'
        FROM OITT  -- Parent Item (BOM)
        INNER JOIN ITT1 ON OITT.Code = ITT1.Father  -- BOM Components
        INNER JOIN OITM ON ITT1.Code = OITM.ItemCode  -- Item Master Data
        LEFT JOIN ORTT ON ITT1.Currency = ORTT.Currency
          AND ORTT.RateDate = (SELECT MAX(RateDate) FROM ORTT WHERE Currency =
ITT1.Currency) -- Latest Exchange Rate
            -- WHERE OITT.Code = 'FF-MO-CENM72'
            -- WHERE
    -- (OITT.Code >= '[%0]' OR '[%0]' = '')
          --AND (OITT.Code <= '[%1]' OR '[%1]' = '')
– cannot be added using selection criteria here

)
A
INNER JOIN OITM ON A.[ParentItem] = OITM.[ItemCode]
INNER JOIN OITB ON OITM.[ItmsGrpCod] = OITB.[ItmsGrpCod]
INNER JOIN OMRC ON OITM.[FirmCode] = OMRC.[FirmCode]
-- Last Sales Price & Date Calculation
LEFT JOIN (
          SELECT T0.[ItemCode],
        T0.[DocDate] AS LastSalesDate,
        COALESCE(T0.[Price], 0) AS LastSalesPrice
    FROM INV1 T0
    WHERE T0.[DocDate] = (
      SELECT MAX(T1.[DocDate])
      FROM INV1 T1
      WHERE T1.[ItemCode] = T0.[ItemCode]
    )
)LS ON OITM.[ItemCode] = LS.[ItemCode]
```

– WHERE (A.[ParentItem] >= '[%0]') AND (A.[ParentItem] <= '[%1]')
– cannot be added using where clause function here.
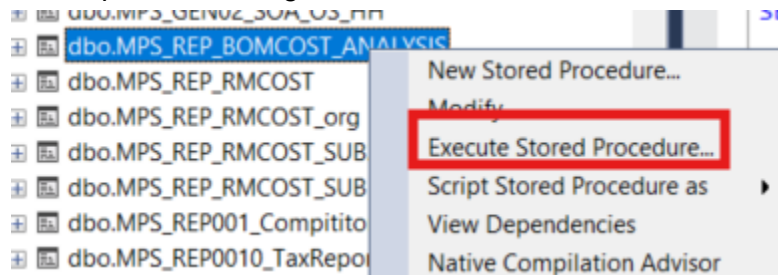-- WHERE A.[ParentItem] = 'FF-MO-CENM72'

GROUP BY
A.[ParentItem],
A.[ParentItemName],
OITM.[OnHand],
OITM.[PrdStdCst],
OITM.[U_Pcost],
OITM.[U_Mcost],
OITB.[ItmsGrpNam],
OMRC.[FirmName],
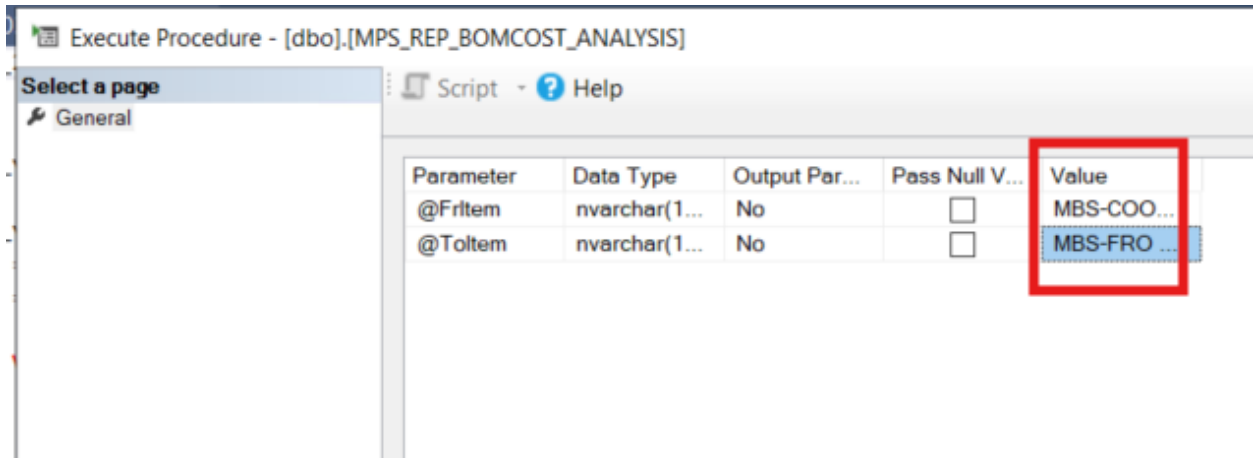LS.[LastSalesPrice],
LS.[LastSalesDate]

ORDER BY
A.[ParentItem];

How to run stored procedure with data:

Stored procedure > right click > Execute Stored Procedure

Put parameter

If will show the query like this:

USE [ZZ_PM_Test_20250303]
GO

DECLARE   @return_value int

EXEC @return_value = [dbo].[MPS_REP_BOMCOST_ANALYSIS]
            @FrItem = N'MBS-COOKIE DARK CHOCO ALMOND',
            @ToItem = N'MBS-FRO CAKE DURIAN ROLLED'

SELECT   'Return Value' = @return_value

Resolution:

created stored procedure and call from query
Stored procedure:
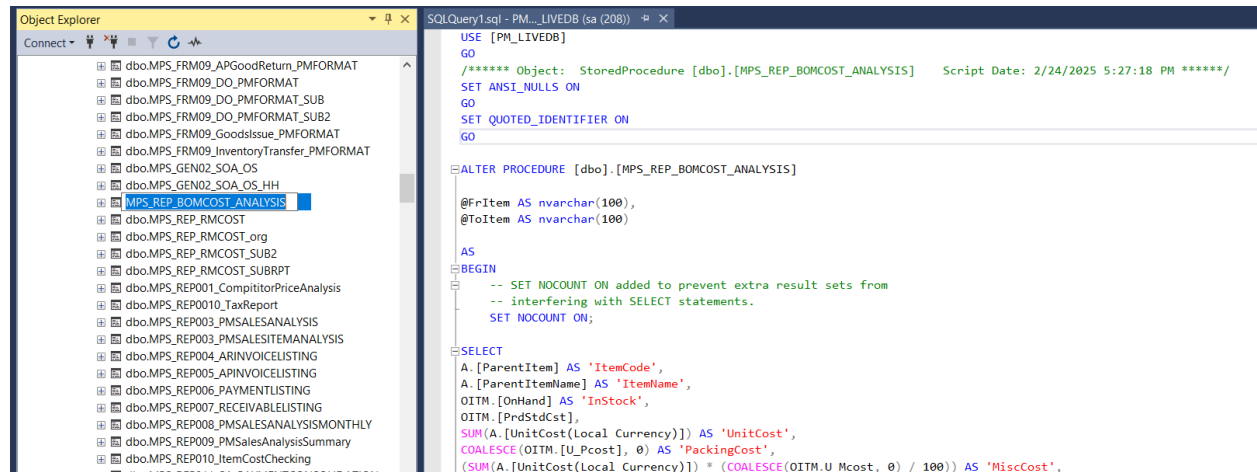
Query Generator:

```
/* SELECT FROM [dbo].[OITT] T0 */

DECLARE @FrItem NVARCHAR(100)

/* WHERE */

SET @FrItem = /* T0.Code */ '[%0]'




/* SELECT FROM [dbo].[OITT] T0 */

DECLARE @ToItem NVARCHAR(100)

/* WHERE */

SET @ToItem = /* T0.Code */ '[%1]'




EXEC [MPS_REP_BOMCOST_ANALYSIS] @FrItem ,@ToItem;
```
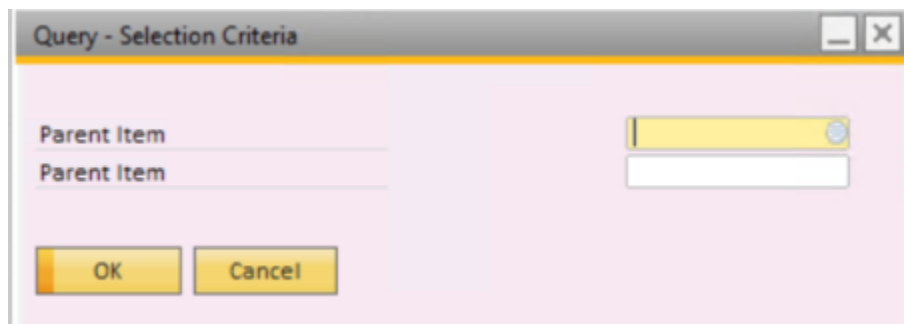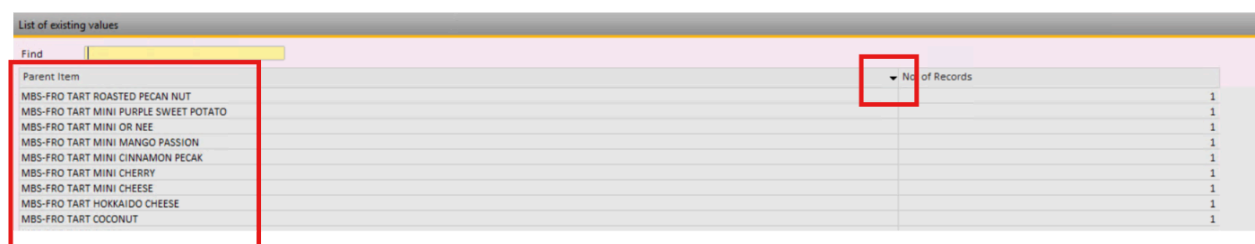
Reason:

From the selection criteria

They choose from Z to A, instead of A to Z

Resolution:

Just make the selection from A to Z

List of existing values

Find [   ]

Parent Item	No. of Records
BUNDLE-BETTERCREME X 2	
BUNDLE-G.Yeast+SB	
BUNDLE-G.Yeast+USB	
BUNDLE-PET X 4	
BUNDLE-PET/LS-22a	
BUNDLE-PET/MS-45	
BUNDLE-R.Yeast+SB	
BUNDLE-R.Yeast+USB	
BUNDLE-SCS-SB X 3	
BUNDLE-SCS-SB X 4	
BUNDLE-SCS-USB X 3	
BUNDLE-SCS-USB X 4	
FF-BAKED-PAVLOVA	