

<https://mpssolutions.iitbit.com/helpdesk/Ticket/82423602>

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

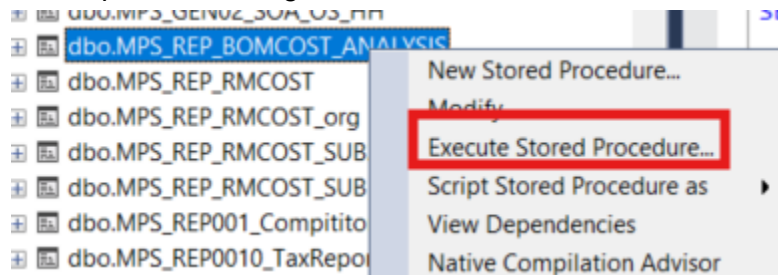
A.[ParentItem],
A.[ParentItemName],
OITM.[OnHand],
OITM.[PrdStdCst],
OITM.[U_Pcost],
OITM.[U_Mcost],
OITB.[ItmsGrpNam],
OMRC.[FirmName],
LS.[LastSalesPrice],
LS.[LastSalesDate]

ORDER BY

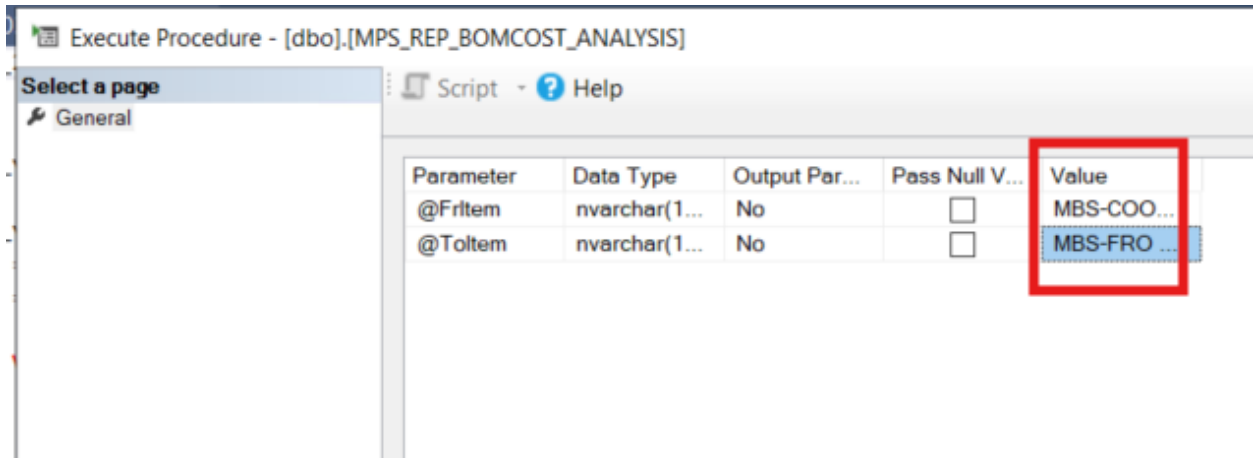
A.[ParentItem];

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

```

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
GO

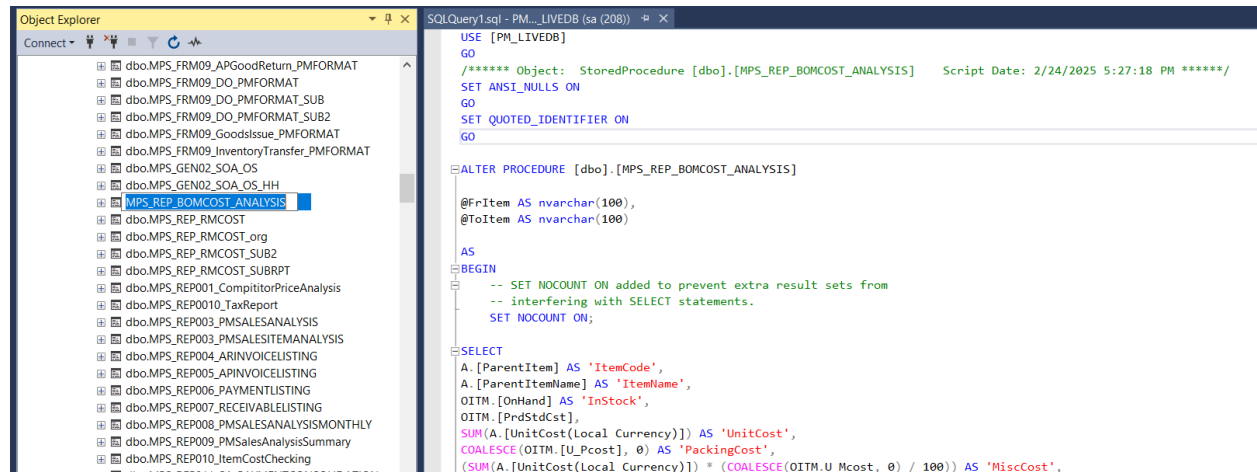
```

ItemCode	ItemName	InStock	ProdStat	UnitCost	PackingCost	MiscCost	TotalUnitCost	ItemGroup	Brand	LastSalesPrice	LastSalesDate	GrossProfit	GrossProfit%
1	MBS-COOKIE DARK CHOCO ALMOND	0.000000	0.000000	7.212890	0.000000	0.360645	7.573535	Baked Products	FoodFeel	33.000000	2025-02-19	25.425445	0.770498
2	MBS-COOKIE MILK CHOCO SEA SALT	0.000000	0.000000	6.554800	0.000000	0.327740	6.882540	Baked Products	FoodFeel	33.000000	2025-02-19	26.117460	0.791438
3	MBS-COOKIE MUDD SLIDE	0.000000	0.000000	5.825764	0.000000	0.291288	6.117052	Baked Products	FoodFeel	36.000000	2025-02-19	29.882948	0.830081
4	MBS-COOKIE OATMEAL	0.000000	0.000000	3.741489	0.000000	0.187074	3.928563	Baked Products	FoodFeel	33.000000	2025-02-19	29.077437	0.880952
5	MBS-COOKIE SABLE	0.000000	0.000000	4.616230	0.000000	0.230812	4.847042	Baked Products	FoodFeel	33.000000	2025-02-19	28.152958	0.853119
6	MBS-FRO CAKE BLACK FOREST	0.000000	0.000000	14.125145	0.000000	12.853882	26.979027	Baked Products	FoodFeel	68.000000	2025-01-13	41.020973	0.603249
7	MBS-FRO CAKE BLUE PEA SPHERE MOUSSE	0.000000	0.000000	10.989930	0.000000	0.549497	11.539427	Baked Products	FoodFeel	64.000000	2024-07-06	52.460573	0.819696
8	MBS-FRO CAKE CASSIS BLUE PEA SPHERE	0.000000	0.000000	9.714360	0.000000	0.485718	10.200078	Baked Products	FoodFeel	63.000000	2025-01-17	52.799922	0.838094
9	MBS-FRO CAKE CEMPEDEK WHOLE	0.000000	0.000000	10.181096	0.000000	0.509055	10.690151	Baked Products	FoodFeel	45.000000	2025-02-28	34.309849	0.762441
10	MBS-FRO CAKE CEMPEDEK ROLL W/YELLOW GLAZE	0.000000	0.000000	19.927304	0.000000	0.996365	20.923669	Baked Products	FoodFeel	60.000000	2024-10-26	39.076331	0.651272
11	MBS-FRO CAKE CEMPEDEK ROLLED	0.000000	0.000000	12.415804	0.000000	11.295382	23.711186	Baked Products	FoodFeel	88.000000	2025-02-24	64.285814	0.730520
12	MBS-FRO CAKE CHENDOL PREMIUM	0.000000	0.000000	13.415460	0.000000	0.670773	14.086233	Frozen Food	FoodFeel	66.500000	2024-09-04	52.413767	0.788176

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]'
```

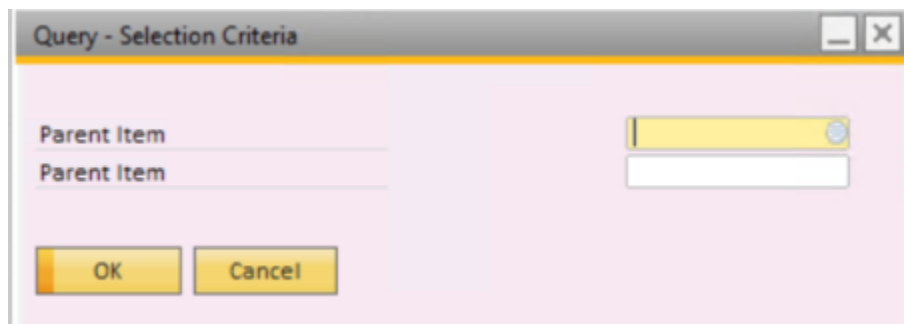
```
EXEC [MPS_REP_BOMCOST_ANALYSIS] @FrItem ,@ToItem;
```

<https://mpssolutions.jitbit.com/helpdesk/Ticket/85378127>

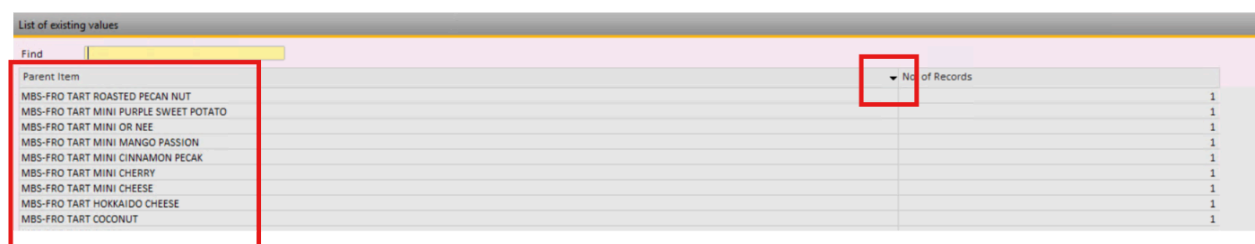


Reason:

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/MS-45	
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	