**DATA CLEANING**

UPDATE [BlinkIT Grocery Data (1)]

SET [Item\_Fat\_Content] = 'Low Fat'

WHERE [Item\_Fat\_Content] IN ('LF', 'low fat');

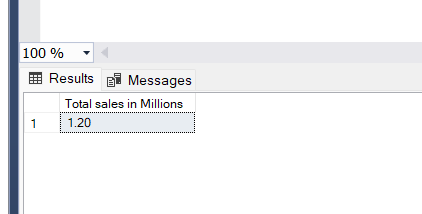
UPDATE [BlinkIT Grocery Data (1)]

SET [Item\_Fat\_Content] = 'Regular'

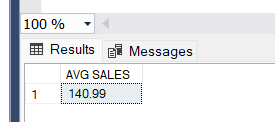
WHERE [Item\_Fat\_Content] IN ('Reg');

**1)TOTAL SALES**

SELECT CAST(SUM(Sales)/1000000 AS decimal(10,2)) as "Total sales in Millions" from [BlinkIT Grocery Data (1)]

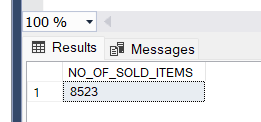


**2)AVERAGE SALES**

SELECT CAST(AVG(SALES) AS DECIMAL(10,2)) AS "AVG SALES" FROM [BlinkIT Grocery Data (1)]

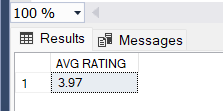
**3)COUNT OF TOTAL ITEMS SOLD**

SELECT COUNT(\*) AS NO\_OF\_SOLD\_ITEMS FROM [BlinkIT Grocery Data (1)]

****

**4)AVERAGE RATING**

SELECT CAST(AVG(RATING) AS DECIMAL(10,2)) AS "AVG RATING" FROM [BlinkIT Grocery Data (1)]

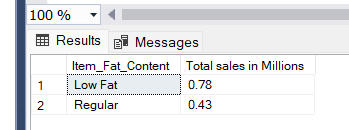


**5)TOTAL SALES DEPENDING ON ITEM FAT CONTENT**

SELECT Item\_Fat\_Content,CAST(SUM(Sales)/1000000 AS decimal(10,2)) as "Total sales in Millions" from [BlinkIT Grocery Data (1)]

GROUP BY Item\_Fat\_Content

ORDER BY [Total sales in Millions] DESC



**6)OTHER METRICS(LIKE AVG SALES,AVG RATING) VARYING WITH FAT CONTENT**

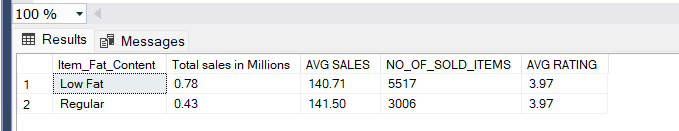
SELECT Item\_Fat\_Content, CAST(SUM(Sales)/1000000 AS decimal(10,2)) as "Total sales in Millions",

CAST(AVG(SALES) AS DECIMAL(10,2)) AS "AVG SALES" ,

COUNT(\*) AS NO\_OF\_SOLD\_ITEMS,

CAST(AVG(RATING) AS DECIMAL(10,2)) AS "AVG RATING" FROM [BlinkIT Grocery Data (1)]

GROUP BY Item\_Fat\_Content



**7)TOTAL SALES AND OTHER METRICS DEPENDING ON ITEM TYPE**

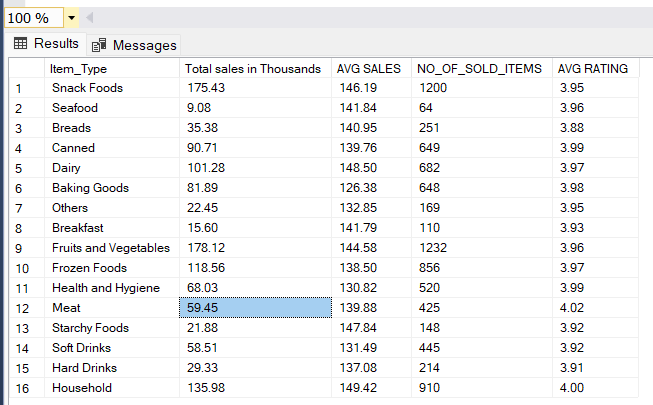
SELECT Item\_Type, CAST(SUM(Sales)/1000 AS decimal(10,2)) as "Total sales in Thousands",

CAST(AVG(SALES) AS DECIMAL(10,2)) AS "AVG SALES" ,

COUNT(\*) AS NO\_OF\_SOLD\_ITEMS,

CAST(AVG(RATING) AS DECIMAL(10,2)) AS "AVG RATING" FROM [BlinkIT Grocery Data (1)]

GROUP BY Item\_Type

ORDER BY [Total sales in Thousands] DESC

**8)TOTAL SALES ACROSS DIFFERENT OUTLET LOCATION TYPE SEGMENTED BY FAT CONTENT**

SELECT

Outlet\_Location\_Type,

ISNULL([Low Fat], 0) AS "Low Fat",

ISNULL([Regular], 0) AS "Regular"

FROM (

SELECT

Outlet\_Location\_Type,

Item\_Fat\_Content,

CAST(SUM(SALES)/1000 AS DECIMAL(10,2)) AS TOTAL\_SALES\_IN\_THOUSANDS

FROM

[BlinkIT Grocery Data (1)]

GROUP BY

Item\_Fat\_Content, Outlet\_Location\_Type

) AS SourceTable

PIVOT (

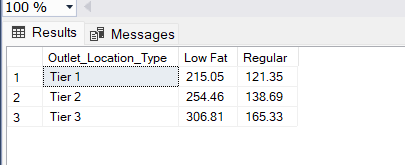
MAX(TOTAL\_SALES\_IN\_THOUSANDS)

FOR Item\_Fat\_Content IN ([Low Fat], [Regular])

) AS PivotTable

ORDER BY

Outlet\_Location\_Type;



**9)TOTAL SALES ACCORDING TO OUTLET ESTABLISHMENT YEAR**

SELECT

Outlet\_Establishment\_Year,

CAST(SUM(SALES)/1000 AS DECIMAL(10,2)) AS TOTAL\_SALES\_IN\_THOUSANDS

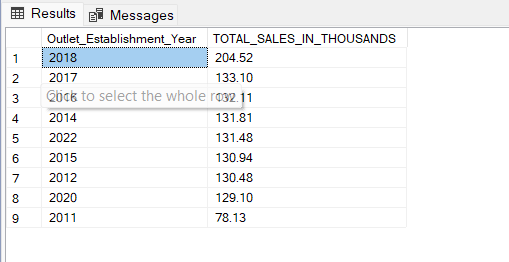
FROM

[BlinkIT Grocery Data (1)]

GROUP BY

Outlet\_Establishment\_Year

ORDER BY TOTAL\_SALES\_IN\_THOUSANDS DESC



**10)WITH OTHER METRICS INCLUDED VARYING WITH OUTLET ESTABLISHMENT YEAR**

SELECT

Outlet\_Establishment\_Year,

CAST(SUM(SALES)/1000 AS DECIMAL(10,2)) AS TOTAL\_SALES\_IN\_THOUSANDS,

CAST(AVG(SALES) AS DECIMAL(10,2)) AS "AVG SALES",

COUNT(\*) AS NO\_OF\_SOLD\_ITEMS,

CAST(AVG(RATING) AS DECIMAL(10,2)) AS "AVG RATING"

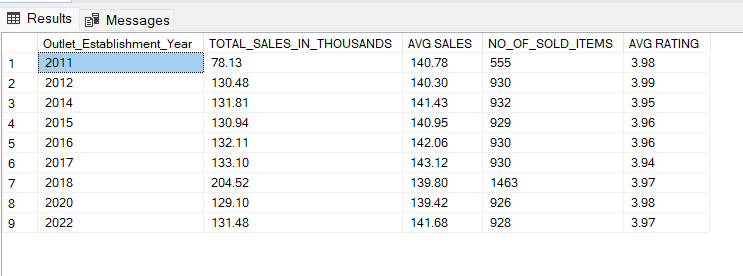
FROM

[BlinkIT Grocery Data (1)]

GROUP BY

Outlet\_Establishment\_Year

ORDER BY Outlet\_Establishment\_Year

****

**11)PERCENTAGE OF SALES WITH VARYING OUTLET SIZE**

SELECT Outlet\_Size,

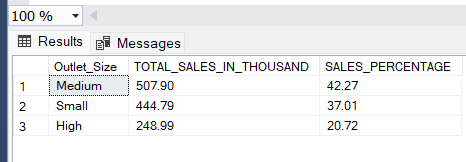
CAST(SUM(SALES)/1000 AS DECIMAL(10,2)) AS TOTAL\_SALES\_IN\_THOUSAND,

CAST((SUM(SALES)\*100/SUM(SUM(SALES)) OVER()) AS DECIMAL(10,2)) AS SALES\_PERCENTAGE

FROM [BlinkIT Grocery Data (1)]

GROUP BY Outlet\_size

ORDER BY TOTAL\_SALES\_IN\_THOUSAND DESC



**12)SALES AND OTHER METRICS BASED ON OUTLET LOCATION**

SELECT

Outlet\_Location\_Type,

CAST(SUM(SALES)/1000 AS DECIMAL(10,2)) AS TOTAL\_SALES\_IN\_THOUSANDS,

CAST(AVG(SALES) AS DECIMAL(10,2)) AS "AVG SALES",

COUNT(\*) AS NO\_OF\_SOLD\_ITEMS,

CAST(AVG(RATING) AS DECIMAL(10,2)) AS "AVG RATING"

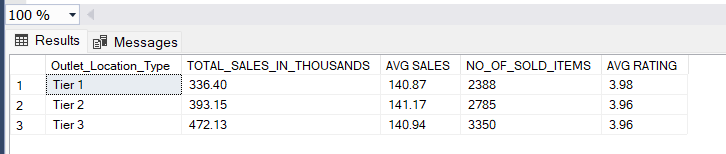
FROM

[BlinkIT Grocery Data (1)]

GROUP BY

Outlet\_Location\_Type

ORDER BY TOTAL\_SALES\_IN\_THOUSANDS



**13)ALL METRICS ACCORDING TO OUTLET TYPE**

SELECT

Outlet\_Type,

CAST(SUM(SALES)/1000 AS DECIMAL(10,2)) AS TOTAL\_SALES\_IN\_THOUSANDS,

CAST(AVG(SALES) AS DECIMAL(10,2)) AS "AVG SALES",

COUNT(\*) AS NO\_OF\_SOLD\_ITEMS,

CAST(AVG(RATING) AS DECIMAL(10,2)) AS "AVG RATING"

FROM

[BlinkIT Grocery Data (1)]

GROUP BY

Outlet\_Type

ORDER BY TOTAL\_SALES\_IN\_THOUSANDS

