**Blinkit Data Analysis Project**

DAY 1 (9-6-25)

**See all the data imported:**

SELECT \* FROM blinkit\_data

**DATA CLEANING:**

Cleaning the **Item\_Fat\_Content** field ensures data consistency and accuracy in analysis.  
The presence of multiple variations of the same category (e.g., LF, low fat vs. Low Fat) can cause issues in reporting, aggregations, and filtering. By standardizing these values, we improve data quality, making it easier to generate insights and maintain uniformity in our datasets.

UPDATE blinkit\_data

SET Item\_Fat\_Content =

CASE

WHEN Item\_Fat\_Content IN ('LF', 'low fat') THEN 'Low Fat'

WHEN Item\_Fat\_Content = 'reg' THEN 'Regular'

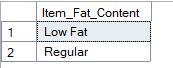
ELSE Item\_Fat\_Content

END;

After executing this query check the data has been cleaned or not using below query:

sql

SELECT DISTINCT Item\_Fat\_Content FROM blinkit\_data;



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1. **TOTAL\_SALES:**

SELECT CAST(SUM(Sales)/1000000.0 AS DECIMAL(10,2)) AS Sales\_Millions

FROM blinkit\_data;

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1. **AVERAGE\_SALES:**

SELECT CAST(AVG(Total\_Sales) AS DECIMAL(10,0)) AS Avg\_Sales

FROM blinkit\_data;

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DAY 2 (10-6-25)

1. **NUMBER\_OF\_TEMS:**

SELECT COUNT(\*) AS No\_Of\_Items

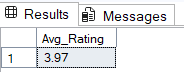
FROM blinkit\_data

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1. **AVERAGE OF RATING :**

SELECT CAST(AVG(Rating) AS DECIMAL(10,2)) AS Avg\_Rating From blinkit\_data



1. **AGGREGATE OVER ITEM FAT CONTENT :**

SELECT Item\_Fat\_Content,

CAST(SUM(Sales) AS DECIMAL(10,2)) AS Sales,

CAST(AVG(Sales) AS DECIMAL(10,1)) AS Avg\_Sales,

COUNT(\*) AS No\_Of\_Items,

CAST(AVG(Rating) AS DECIMAL(10,2)) AS Avg\_Rating

FROM blinkit\_data

GROUP BY Item\_Fat\_Content

ORDER BY Sales DESC

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1. **AGGREGATE OVER ITEM TYPE :**

SELECT Item\_Type,

CAST(SUM(Sales) AS DECIMAL(10,2)) AS Sales,

CAST(AVG(Sales) AS DECIMAL(10,1)) AS Avg\_Sales,

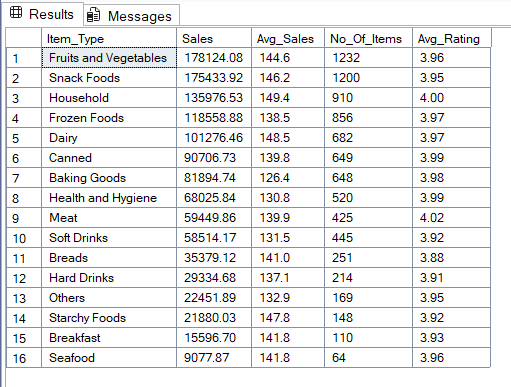
COUNT(\*) AS No\_Of\_Items,

CAST(AVG(Rating) AS DECIMAL(10,2)) AS Avg\_Rating

FROM blinkit\_data

GROUP BY Item\_Type

ORDER BY Sales DESC



**F. Percentage of Sales by Outlet Size**

SELECT

Outlet\_Size,

CAST(SUM(Sales) AS DECIMAL(10,2)) AS Sales,

CAST((SUM(Sales) \* 100.0 / SUM(SUM(Sales)) OVER()) AS DECIMAL(10,2)) AS Sales\_Percentage

FROM blinkit\_data

GROUP BY Outlet\_Size

ORDER BY Sales DESC;

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**Sales by Outlet Location**

SELECT Outlet\_Location\_Type,

CAST(SUM(Sales) AS DECIMAL(10,2)) AS Sales,

CAST((SUM(Sales) \* 100.0 / SUM(SUM(Sales)) OVER()) AS DECIMAL(10,2)) AS Sales\_Percentage,

CAST(AVG(Sales) AS DECIMAL(10,1)) AS Avg\_Sales,

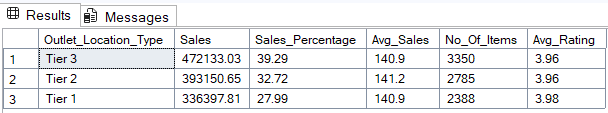
COUNT(\*) AS No\_Of\_Items,

CAST(AVG(Rating) AS DECIMAL(10,2)) AS Avg\_Rating

FROM blinkit\_data

GROUP BY Outlet\_Location\_Type

ORDER BY Sales DESC

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**Sales by Outlet Type**

SELECT Outlet\_ Type,

CAST(SUM(Sales) AS DECIMAL(10,2)) AS Sales,

CAST((SUM(Sales) \* 100.0 / SUM(SUM(Sales)) OVER()) AS DECIMAL(10,2)) AS Sales\_Percentage,

CAST(AVG(Sales) AS DECIMAL(10,1)) AS Avg\_Sales,

COUNT(\*) AS No\_Of\_Items,

CAST(AVG(Rating) AS DECIMAL(10,2)) AS Avg\_Rating

FROM blinkit\_data

GROUP BY Outlet\_Type

ORDER BY Sales DESC

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