**BLINKIT DATASET – SQL**

select \* from BlinkIT

select count(\*) from BlinkIT

##Data Cleaning##

update BlinkIT

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

SELECT DISTINCT(Item\_Fat\_Content) from BlinkIT

##Total Sales##

select sum(total\_sales) as total\_sales from BlinkIT

select cast(sum(total\_sales) / 1000000 as decimal(10,2)) as total\_sales\_millions from BlinkIT #in millions

##Total Sales\_for\_lowfat##

select cast(sum(total\_sales) / 1000000 as decimal(10,2)) as total\_sales\_millions from BlinkIT

where Item\_Fat\_Content = 'LOW FAT'

##Total Sales\_for\_Establish\_year##

select cast(sum(total\_sales) / 1000000 as decimal(10,2)) as total\_sales\_millions from BlinkIT

where Outlet\_Establishment\_Year = 2011

##Average Sales##

select Avg(total\_sales) as avg\_sales from BlinkIT

select cast(avg(total\_sales) as decimal(10,0)) as avg\_sales from BlinkIT

##Avg\_Sales\_for\_Establish\_year##

select cast(avg(total\_sales) as decimal(10,2)) as avg\_sales from BlinkIT

where Outlet\_Establishment\_Year = 2011

##No\_of\_Items##

select count(\*) as no\_of\_items from BlinkIT

##Avg rating##

select Avg(Rating) as avg\_rating from BlinkIT

select cast(avg(rating) as decimal(10,0)) as avg\_rating from BlinkIT

select \* from BlinkIT

##Total\_Sales\_by\_Fat\_Content##

SELECT Item\_Fat\_Content,

CAST(SUM(Total\_Sales) AS DECIMAL(10,2)) AS Total\_sales,

CAST(AVG(Total\_Sales) AS DECIMAL(10,2)) AS AVG\_sales,

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

CAST(AVG(Rating) AS DECIMAL(10,2)) AS AVG\_RATING

FROM BlinkIT

WHERE Outlet\_Establishment\_Year = 2022

GROUP BY Item\_Fat\_Content

ORDER BY Total\_Sales desc

##Total\_Sales\_by\_Item\_Type##

SELECT Item\_Type,

CAST(SUM(Total\_Sales) AS DECIMAL(10,2)) AS Total\_sales,

CAST(AVG(Total\_Sales) AS DECIMAL(10,2)) AS AVG\_sales,

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

CAST(AVG(Rating) AS DECIMAL(10,2)) AS AVG\_RATING

FROM BlinkIT

GROUP BY Item\_Type

ORDER BY Total\_Sales desc

##Fat\_Content\_by\_Outlet\_for\_Total\_Sales##

SELECT Outlet\_Location\_Type, Item\_Fat\_Content,

CAST(SUM(Total\_Sales) AS DECIMAL(10,2)) AS Total\_sales

FROM BlinkIT

GROUP BY Outlet\_Location\_Type, Item\_Fat\_Content

ORDER BY Total\_Sales desc

##Total\_Sales\_by\_Outlet\_Establishment##

SELECT Outlet\_Establishment\_Year,

CAST(SUM(Total\_Sales) AS DECIMAL(10,2)) AS Total\_sales

FROM BlinkIT

GROUP BY Outlet\_Establishment\_Year

ORDER BY Outlet\_Establishment\_Year ASC

##Percentage of Sales by Outlet Size##

SELECT

Outlet\_Size,

CAST(SUM(Total\_Sales) AS DECIMAL(10,2)) AS Total\_Sales,

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

FROM BlinkIT

GROUP BY Outlet\_Size

ORDER BY Total\_Sales DESC;

##Sales by Outlet Location##

SELECT Outlet\_Location\_Type,

CAST(SUM(Total\_Sales) AS DECIMAL(10,2)) AS Total\_sales,

CAST(AVG(Total\_Sales) AS DECIMAL(10,2)) AS AVG\_sales,

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

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

CAST(AVG(Rating) AS DECIMAL(10,2)) AS AVG\_RATING

FROM BlinkIT

GROUP BY Outlet\_Location\_Type

ORDER BY Total\_Sales desc

##All Metrics by Outlet Type##

SELECT Outlet\_Type,

CAST(SUM(Total\_Sales) AS DECIMAL(10,2)) AS Total\_sales,

CAST(AVG(Total\_Sales) AS DECIMAL(10,2)) AS AVG\_sales,

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

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

CAST(AVG(Rating) AS DECIMAL(10,2)) AS AVG\_RATING

FROM BlinkIT

GROUP BY Outlet\_Type

ORDER BY Total\_Sales desc