**BLINKIT SQL QUERIES**

select \* from BlinkIT\_Data

select count(\*) from BlinkIT\_Data

* **DATA CLEANING**

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

* **TOTAL SALES, AVG. SALES , NO. OF ITEMS , AVG RATING**

select cast(sum(Total\_Sales) / 1000000 as decimal(10,2)) as TOTAL\_SALES\_millions

from BlinkIT\_Data

select cast(AVG(Total\_Sales) as decimal(10,0)) as AVG\_SALES from BlinkIT\_Data

select count(Item\_Identifier) as number\_of\_items from BlinkIT\_Data

select cast(AVG(Rating) as decimal(10,1)) as Avg\_Rating from BlinkIT\_Data

* **SALES BY ITEM FAT CONTENT**

select Item\_Fat\_Content,

cast(sum(Total\_Sales) as decimal (10,0)) as TOTAL\_SALES,

cast(AVG(Total\_Sales) as decimal(10,0)) as AVG\_SALES,

count(Item\_Identifier) as number\_of\_items,

cast(AVG(Rating) as decimal(10,1)) as Avg\_Rating

from BlinkIT\_Data

where Outlet\_Establishment\_Year=2020

group by Item\_Fat\_Content

* **SALES BY ITEM TYPE**

select Item\_Type,

cast(sum(Total\_Sales) as decimal (10,0)) as TOTAL\_SALES,

cast(AVG(Total\_Sales) as decimal(10,0)) as AVG\_SALES,

count(Item\_Identifier) as number\_of\_items,

cast(AVG(Rating) as decimal(10,1)) as Avg\_Rating

from BlinkIT\_Data

group by Item\_Type

* **Fat Content by Outlet for Total Sales**

problem here – both queries are same but first one is giving incomplete result but second one is giving complete result.

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(Total\_Sales) as decimal (10,0)) as TOTAL\_SALES

from BlinkIT\_Data

group by Outlet\_Location\_Type, Item\_Fat\_Content)

as sourcetable

pivot

(sum(Total\_Sales)

for Item\_Fat\_Content IN (Low\_Fat,Regular))

as pivotTable

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(Total\_Sales) AS DECIMAL(10,0)) AS Total\_Sales

FROM blinkit\_data

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

) AS SourceTable

PIVOT

(

SUM(Total\_Sales)

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

) AS PivotTable

* **Total Sales by Outlet Establishment**

select Outlet\_Establishment\_Year,

CAST(SUM(Total\_Sales) AS DECIMAL(10,0)) AS Total\_Sales

FROM blinkit\_data

GROUP BY Outlet\_Establishment\_Year

Order by Outlet\_Establishment\_Year

* **Percentage of Sales by Outlet Size**

select Outlet\_Size,

CAST(SUM(Total\_Sales) AS DECIMAL(10,0)) AS Total\_Sales,

CAST((SUM(Total\_Sales) \* 100 / sum(SUM(Total\_Sales)) over ())AS DECIMAL(10,0)) AS Total\_Sales\_Percentage

from BlinkIT\_Data

group by Outlet\_Size

* **Sales by Outlet Location**

select Outlet\_Location\_Type,

CAST(SUM(Total\_Sales) AS DECIMAL(10,0)) AS Total\_Sales

from BlinkIT\_Data

group by Outlet\_Location\_Type