**BLINKIT PROJECT**

**Data Cleaning:-**

**To** Update the value in Item\_Fat\_Content. Like (Lf, low fat to Low Fat)  
  
UPDATE blinkit\_data

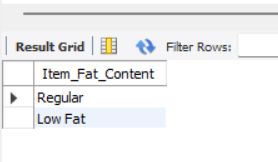
SET Item\_Fat\_Content = CASE

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

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

ELSE Item\_Fat\_Content

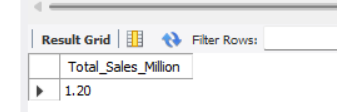
END;  
  
After run the query check Data have cleaned or not.

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


A:KPIs  
  
**1:-Total Sales in Million:**

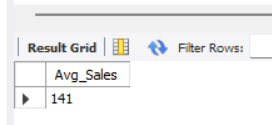
select cast(sum(Total\_Sales)/1000000 as Decimal(10,2)) as Total\_Sales\_Million

from blinkit\_data;

ANS:-Total\_Sales\_Million:-1.20  


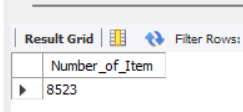
**2:-Ang\_Sales:**

select cast(avg(Total\_Sales)as Decimal(10,0)) as Avg\_Sales from blinkit\_data;



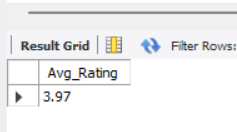
**3:-Number of Items:-**

select count(\*) As Number\_of\_Item from blinkit\_data;



4:- Avg\_Rating:-

select cast(avg(Rating) as Decimal(10,2)) as Avg\_Rating from blinkit\_data;



**GRANULAR REQUIRMENTS:-**

**1:-Total\_Sales by Fat content:-**

SELECT Item\_Fat\_Content,concat(cast(sum(Total\_Sales)/1000 as Decimal(10,2)), 'K') As Total\_Sales\_Thousand,

cast(avg(Total\_Sales)as Decimal(10,1)) as Avg\_Sales,

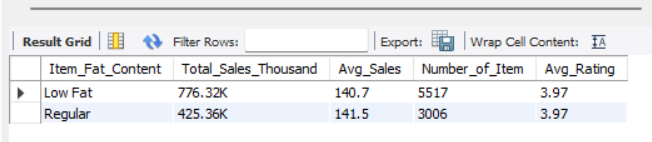
count(\*) As Number\_of\_Item,

cast(avg(Rating) as Decimal(10,2)) as Avg\_Rating

from blinkit\_data

group by 1

order by 2 desc



**2:-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(10,1)) as Avg\_Sales,

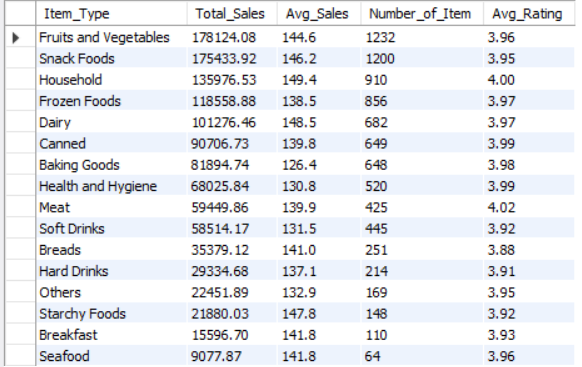
count(\*) As Number\_of\_Item,

cast(avg(Rating) as Decimal(10,2)) as Avg\_Rating

from blinkit\_data

group by 1

order by 2 desc



* If we want top 5 we can use Limit function. And down 5 means same limit use but in order by we can use ASC instead if DESC

**3:-Fat Content By Outlet for Total Sales:**

**SELECT**

**Outlet\_Location\_Type,**

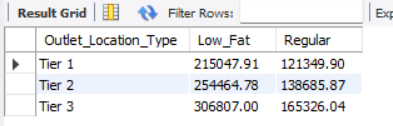
**cast(SUM(CASE WHEN Item\_Fat\_Content = 'Low Fat' THEN Total\_Sales ELSE 0 END) as decimal(10,2))AS Low\_Fat,**

**cast(SUM(CASE WHEN Item\_Fat\_Content = 'Regular' THEN Total\_Sales ELSE 0 END)as decimal(10,2)) AS Regular**

**FROM blinkit\_data**

**GROUP BY Outlet\_Location\_Type**

**ORDER BY Outlet\_Location\_Type;**

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**4:-Total Sales By Outlet Establishment Year:-**

**select Outlet\_Establishment\_Year,**

**cast(sum(Total\_Sales) as Decimal(10,2)) as Total\_Sales,**

**cast(avg(Total\_Sales)as Decimal(10,0)) as Avg\_Sales,**

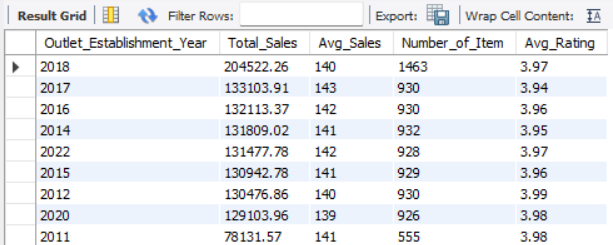
**count(\*) As Number\_of\_Item,**

**cast(avg(Rating) as Decimal(10,2)) as Avg\_Rating**

**from blinkit\_data**

**group by 1**

**order by 2 desc**

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**5:-Percentage of Sales By outlet size:-**

**select Outlet\_Size,**

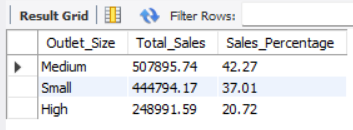
**cast(sum(Total\_Sales) as Decimal(10,2)) As Total\_Sales,**

**cast((sum(Total\_sales) \* 100/sum(sum(total\_sales)) over ())as decimal(10,2)) As Sales\_Percentage**

**From blinkit\_data**

**group by 1**

**order by 2 desc**

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**6:-Sales By Outlaet Location:-**

**select Outlet\_Location\_Type,**

**cast(sum(Total\_Sales) as Decimal(10,2)) as Total\_Sales,**

**cast((sum(Total\_sales) \* 100/sum(sum(total\_sales)) over ())as decimal(10,2)) As Sales\_Percentage,**

**cast(avg(Total\_Sales)as Decimal(10,0)) as Avg\_Sales,**

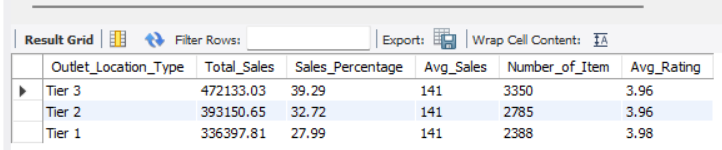
**count(\*) As Number\_of\_Item,**

**cast(avg(Rating) as Decimal(10,2)) as Avg\_Rating**

**from blinkit\_data**

**group by 1**

**order by 2 desc**

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**7:-All Metrics By outlet Type:-**

**select Outlet\_Type,**

**cast(sum(Total\_Sales) as Decimal(10,2)) as Total\_Sales,**

**cast((sum(Total\_sales) \* 100/sum(sum(total\_sales)) over ())as decimal(10,2)) As Sales\_Percentage,**

**cast(avg(Total\_Sales)as Decimal(10,0)) as Avg\_Sales,**

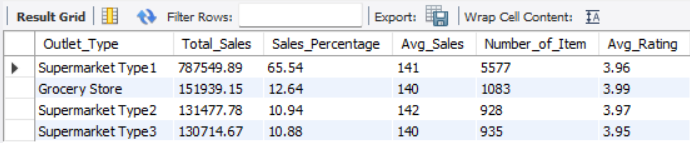
**count(\*) As Number\_of\_Item,**

**cast(avg(Rating) as Decimal(10,2)) as Avg\_Rating**

**from blinkit\_data**

**group by 1**

**order by 2 desc**

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