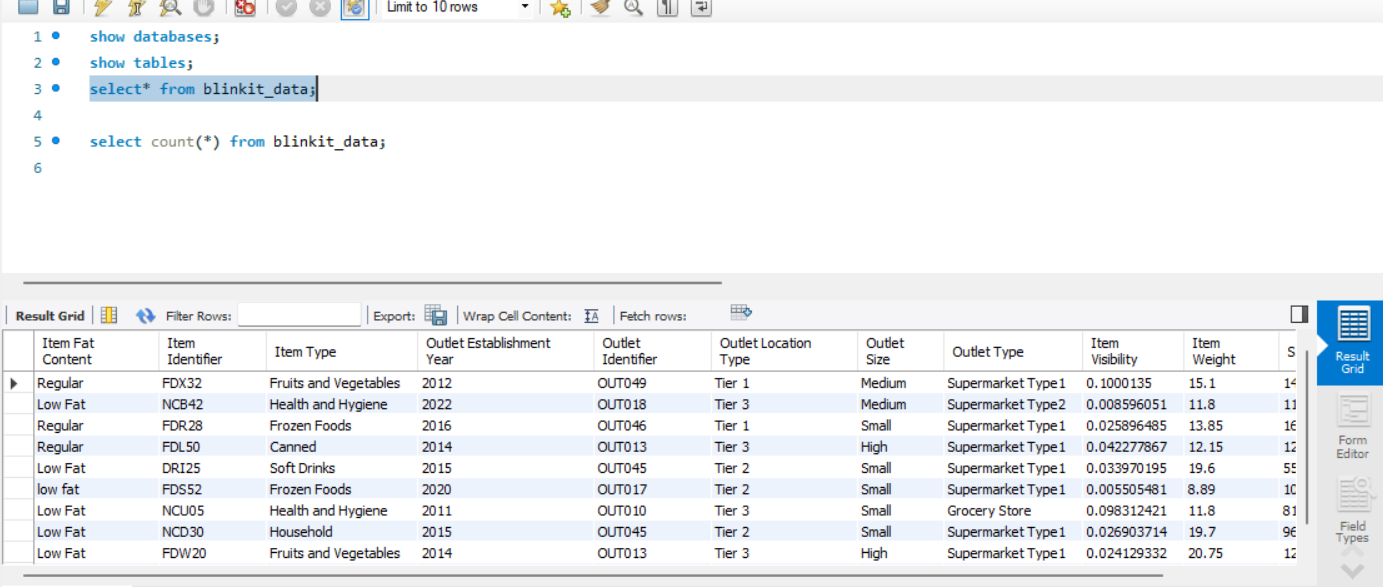
**show databases;**

**show tables;**

**-- it show the whole table**

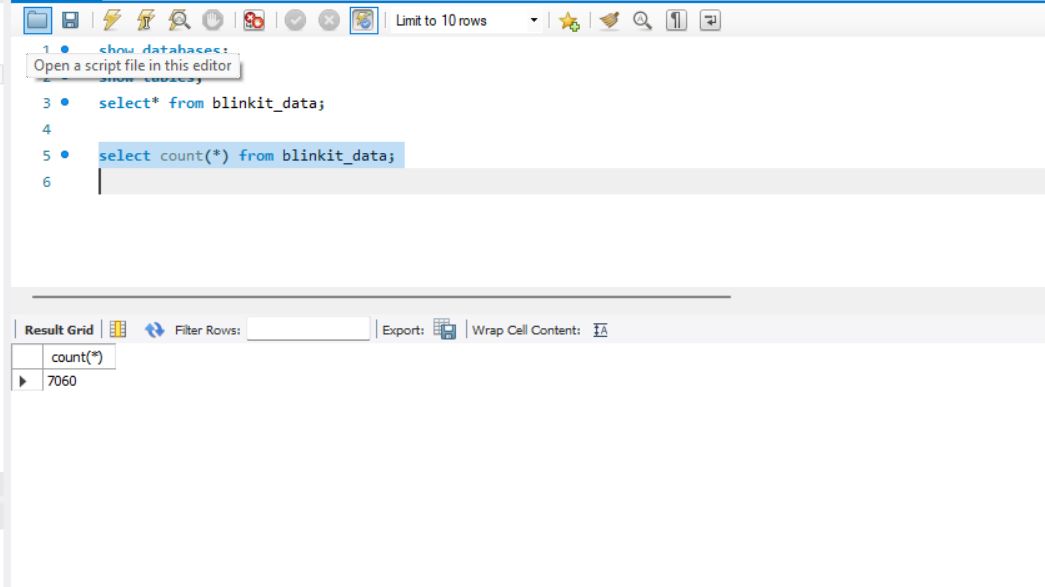
**-- drop table blinkit\_data;**

**select\* from blinkit\_data;**

****

**-- we can count the number of rows in table**

**select count(\*) from blinkit\_data;**

****

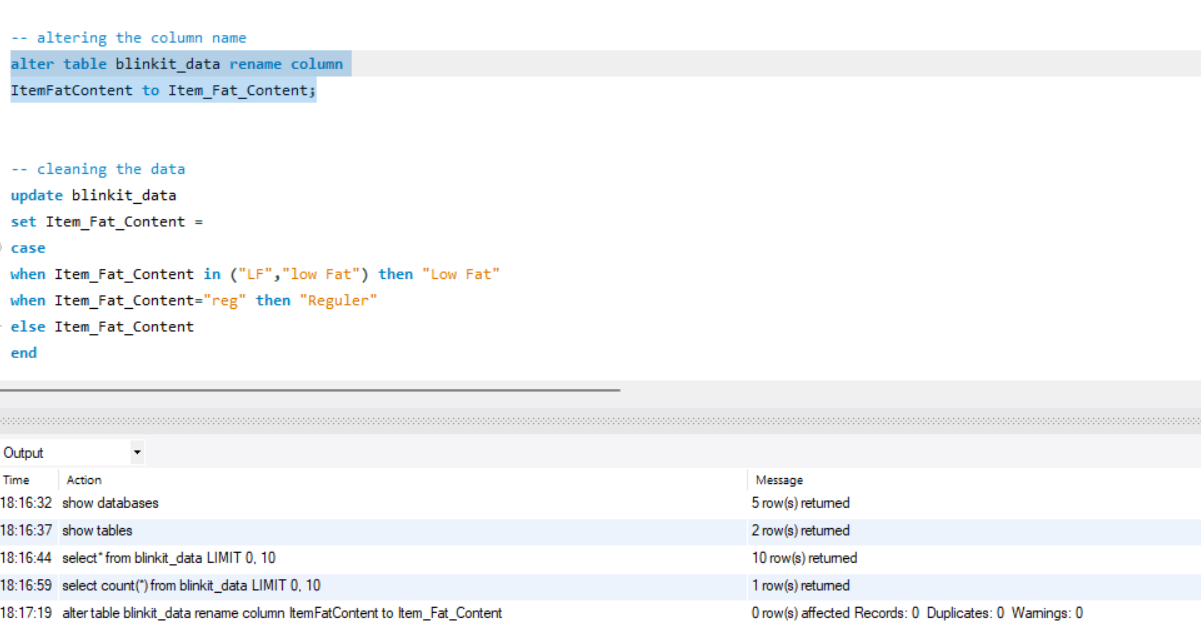
**-- altering the column name**

**alter table blinkit\_data rename column**

**ItemFatContent to Item\_Fat\_Content;**

**-- turn on safe mode**

**set sql\_safe\_updates=0;**

****

**-- cleaning the data**

**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 "Reguler"**

**else Item\_Fat\_Content**

**end**

**-- now all rows are distinct**

**select distinct(Item\_Fat\_Content) from blinkit\_data;**

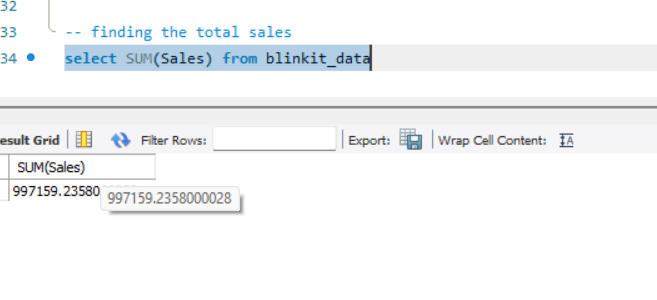
**-- Blinkit requirements**

**-- KPI**

**-- finding the total sales in millions**

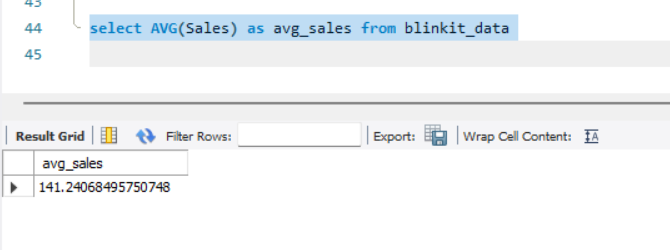
**-- Cast is used to calculate in millions with decimal point**

**select CAST(SUM(Sales)/1000000 as decimal(10,2)) as Total\_sales from blinkit\_data**

****

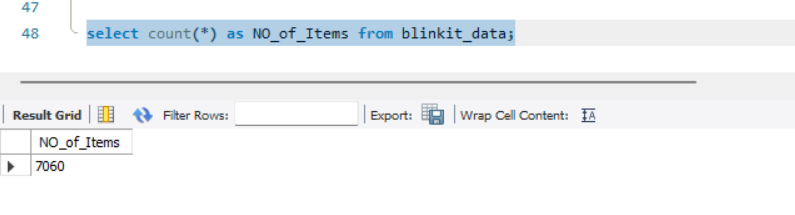
**-- 2. Find out avg of total sales**

**select AVG(Sales) as avg\_sales from blinkit\_data**

****

**select CAST(AVG(Sales) asdecimal(10,1)) as avg\_sales from blinkit\_data**

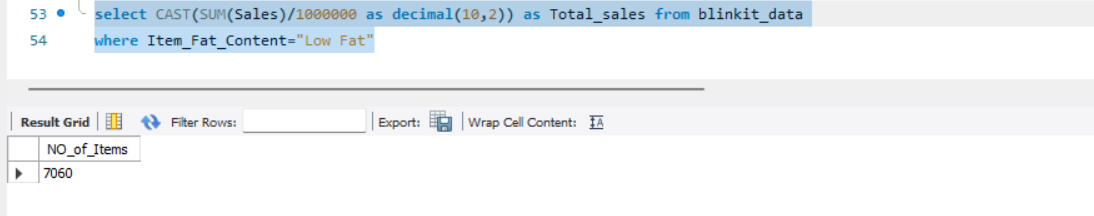
**select count(\*) as NO\_of\_Items from blinkit\_data;**

****

**-- find out total sales for low fat**

**select CAST(SUM(Sales)/1000000 as decimal(10,2)) as Total\_sales from blinkit\_data**

**where Item\_Fat\_Content="Low Fat"**

****

**-- find out for year 2022**

**select CAST(SUM(Sales)/1000000 as decimal(10,2)) as Total\_sales from blinkit\_data**

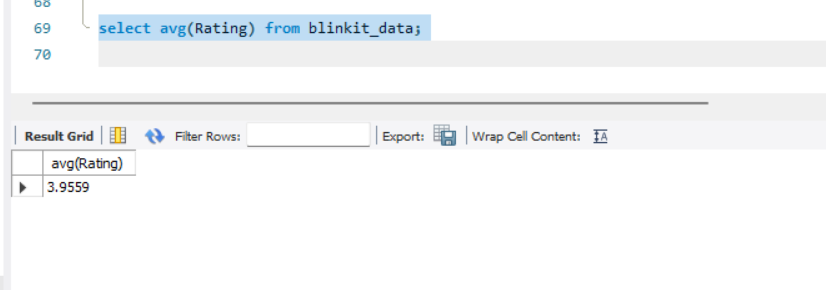
**where OutletEstablishmentYear=2022**

**select CAST(SUM(Sales)/1000000 as decimal(10,2)) as Total\_sales from blinkit\_data**

**where OutletEstablishmentYear=2022**

**-- find out avg rating**

**select avg(Rating) from blinkit\_data;**

****

**-- find avg rating with decimal and cast**

**-- Granular requirements**

**-- Total sales by fat content**

**SELECT**

**Item\_Fat\_Content,**

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

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

**COUNT(\*) AS NO\_of\_Items,**

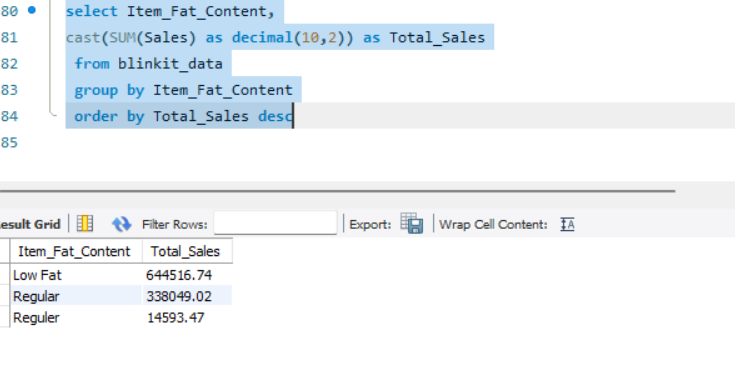
**CAST(AVG(Rating) AS DECIMAL (10 , 2 )) AS avg\_rating**

**FROM**

**blinkit\_data**

**GROUP BY Item\_Fat\_Content**

**ORDER BY Total\_Sales DESC**

****

**-- 2. Total sales by item type**

**select Item\_Fat\_Content,**

**cast(SUM(Sales) as decimal(10,2)) as Total\_Sales,**

**cast(avg(Sales) as decimal(10,2) )as Total\_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 Total\_Sales desc**

**select ItemType,**

**cast(SUM(Sales) as decimal(10,2)) as Total\_Sales,**

**cast(avg(Sales) as decimal(10,2) )as Total\_Sales,**

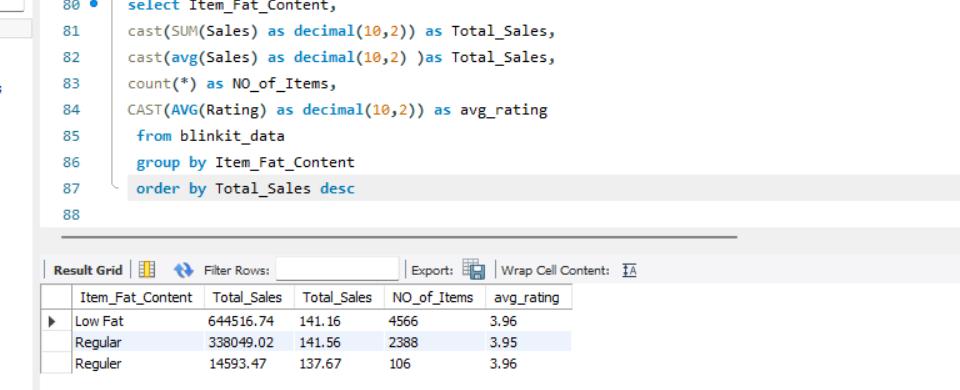
**count(\*) as NO\_of\_Items,**

**CAST(AVG(Rating) as decimal(10,2)) as avg\_rating**

**from blinkit\_data**

**group by ItemType**

**order by Total\_Sales desc**

****

**-- fat content by outlet for total sales**

**select \* from blinkit\_data;**

**select OutletLocationType,Item\_Fat\_Content,**

**cast(sum(Sales) as decimal(10,2)) as Total\_sales,**

**cast(AVG(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\_data**

**group by OutletLocationType,Item\_Fat\_Content**

**order by Total\_Sales asc**

**-- 4.Fat content by outlet for total sales**