**Data analytics project about My SQL Based on Supermarket**

select \* from supermarket

* **Find out the total no of Products sold**

select product\_line,sum(quantity) as product from supermarket

group by product\_line;

* **Find out all Product categories / types**

select distinct(Product\_line) from supermarket

group by product\_line;

* **Find out the total no of unique customers**

select distinct(total) from supermarket

group by customer\_type;

* **Find out the total revenue**.

select sum(total) from supermarket;

* **Find out total revenue in each Branch.**

select branch,sum(total) from supermarket

group by branch;

* **Find out total products sold in each Branch**

select branch,count(product\_line) from supermarket

group by branch

* **Which Product has a highest tax**

select product\_line,count('tax5%') as tax from supermarket

group by Product\_line

order by tax desc

limit 1;

select 'tax5%',max(product\_line) from supermarket

group by 'tax5%';

* **Which City has highest sales ( highest sales = highest revenue/total)**

select city,max(distinct total) as revenue from supermarket

group by city

order by revenue;

* **Find out the most selling item/product.**

select max(Product\_line) as iteam from supermarket

order by iteam desc

limit 1;

(or)

select max(product\_line) from supermarket;

* **Find out the total number of products by Gender.**

select gender,count(product\_line) from supermarket

where gender in ('male','female')

group by gender;

* **Find out the most popular payment method.**

select max(payment) as payment from supermarket;

* **Which product has highest rating**

select product\_line,max(rating) as rating from supermarket

group by Product\_line

order by rating

limit 1;

* **List down 5 products which has lowest rating**

select product\_line,min(rating) as rating from supermarket

group by Product\_line

order by rating

limit 5;

(or)

select product\_line,min(distinct rating) from supermarket

group by Product\_line;

* **List down top 5 products which have the highest revenue.**

select product\_line,count(distinct total) as income from supermarket

group by Product\_line

order by income desc

limit 5;

* **How many products are sold in each product category/type.**

select customer\_type,count(product\_line)as product from supermarket

group by customer\_type;

* **Find out the total sales/revenue in each payment method.**

select payment,count(distinct total) from supermarket

group by payment;

* **List down top 5 cities which has highest sales**

select city,sum(total) as sales from supermarket

group by city

order by sales desc

limit 5;

* **List down top 5 cities which has lowest sales**

select city,sum(total) as sales from supermarket

group by city

order by sales

limit 5;

* **Which type of customers are ordering more ( member or normal)**

select Customer\_type,count(Product\_line) from supermarket

group by Customer\_type

order by count(Product\_line);

* **Find out total income on each product line / type.**

select product\_line,sum(gross\_income) as income from supermarket

group by product\_line;