**Queries SQL**

create database superstore;

use superstore;

create table sales(

order\_id varchar(100) ,

order\_date date ,

ship\_date date ,

ship\_mode varchar(100) ,

customer\_name varchar(100) ,

segment varchar(100),

state varchar(100) ,

country varchar(100) ,

market varchar(100) ,

region varchar(100) ,

product\_id varchar(100) ,

category varchar(100) ,

sub\_category varchar(100) ,

product\_name varchar(100) ,

sales int ,

quantity int ,

discount float ,

profit float ,

shipping\_cost float ,

order\_priority varchar(100) ,

year year );

describe superstore\_sales;

ALTER TABLE superstore\_sales MODIFY ship\_date date;

SELECT STR\_TO\_DATE('1/1/2011','%m/%d/%Y');

select \* from superstore\_sales;

-- 1) Total application

select count(order\_id) as Total\_Application from superstore\_sales;

-- 2) MTD

select count(order\_id) as Total\_Application from superstore\_sales

where order\_date = '1/1/2011';

-- 3) PMTD

select count(order\_id) as Total\_Application from superstore\_sales

where order\_date ='1/26/2011';

-- Total shipping cost

select round(sum(shipping\_cost) , 2) as Total\_shipping\_cost from superstore\_sales;

-- total shipping cost with date

select round(sum(shipping\_cost),2) as Total\_shipping\_cost from superstore\_sales

where order\_date='1/1/2011';

-- total shipping cost with year

select round(sum(shipping\_cost),2) as Total\_shipping\_cost from superstore\_sales

where year='2011';

-- total shipping cost with year

select round(sum(shipping\_cost),2) as Total\_shipping\_cost from superstore\_sales

where year='2012';

-- total sales

select sum(sales) as Total\_Sales from superstore\_sales;

-- Total sales with order date

select sum(sales) as Total\_Sales from superstore\_sales

where order\_date = '1/3/2011';

-- Total sales with year

select sum(sales) as Total\_Sales from superstore\_sales

where year='2011';

-- Duplicate from dataset

select \* from superstore\_sales

order by customer\_name;

-- search by product name

select \* from superstore\_sales

where product\_name='Advantus Push Pins, 12 Pack'

order by product\_name desc;

-- AVG profit

select round(avg(profit),2) as Total\_profit from superstore\_sales;

-- AVG profit with year

select round(avg(profit),2) as Total\_profit from superstore\_sales

where year='2011';

-- avg profit with order date

select round(avg(profit),2) as Total\_profit from superstore\_sales

where order\_date ='1/1/2011';

-- avg sale

select avg(sales) as Total\_sales from superstore\_sales

-- avg sales with year

select round(avg(sales),2) as Total\_sales from superstore\_sales

where year='2012';

-- percentage

select product\_name,

count(year) as Total\_Year,

count(\*) \* 100 / sum(count(\*)) over() as percentage

from superstore\_sales

group by 1;

-- count state with order id for giving percentage

select

(count(case when state ='New South Wales' or state='England' then order\_id end) \* 100 )/

count(order\_id) as orderid

from superstore\_sales;

-- sum sales with state New south wales and england

select sum(sales) as Sales\_state from superstore\_sales

where state ='New South Wales ' or state='England';

-- count order date with state

select count(order\_id) as Order\_Ship\_mode from superstore\_sales

where state ='New South Wales';

-- sum sale with state

select sum(sales) as Sales\_state from superstore\_sales

where state='England' ;

-- status

select state,

count(order\_id) as order\_count,

sum(sales) as Total\_sales,

sum(shipping\_cost) as Total\_shipping,

avg(quantity) as Interset\_qt,

avg(discount \* 100) as Interset\_discount

from superstore\_sales

group by 1;

--

select state,

sum(sales) as Total\_sales,

sum(profit) as Total\_profit

from superstore\_sales

where year = '2011'

group by 1;

--

select segment as Segment,

count(order\_id) as Total\_Order\_id,

sum(sales) as Total\_sales,

sum(quantity) as Total\_qt

from superstore\_sales

group by 1

order by 1

-- order\_priority

select order\_priority as Priority,

count(order\_id) as Total\_order\_id,

round(sum(profit),2) as Total\_profit,

sum(sales) as Total\_sales

from superstore\_sales

group by 1

order by 1

-- category

select category As Categories,

count(order\_id) as Total\_order\_id,

sum(sales) as Total\_sales,

sum(quantity) as Total\_quantity

from superstore\_sales

group by 1

order by 1

-- sub\_category and region

select sub\_category as Brench\_Cat,

region as Local\_Region,

sum(sales) as Total\_sales,

sum(quantity) as Total\_qty,

round(sum(shipping\_cost),2) as Total\_shipping

from superstore\_sales

group by 1,2

order by 1,2

-- product name

select product\_name as Name\_Product,

count(product\_id) as Total\_product,

sum(sales) as Total\_sales,

round(sum(shipping\_cost),2) as Total\_shipping

from superstore\_sales

group by 1

order by 1

-- year

select year as Year,

count(order\_id) as Total\_order,

sum(sales) as Total\_Sales,

sum(profit) as Total\_profit

from superstore\_sales

group by 1

order by 1

-- country

select country as country,

count(order\_id) as Total\_order,

sum(sales) as Total\_sales,

sum(shipping\_cost) as Total\_shipping,

sum(year) as Total\_year

from superstore\_sales

group by 1

order by 1