**Sql queries on pizza sales analysis**

**Solutions of different problem statement**

1. TOTAL REVENUE :

SELECT SUM(total\_price) As total\_revenue FROM pizza\_sales;

Capture.PNG

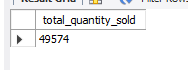
1. AVERAGE ORDER VALUE :

select sum(total\_price) / count(distinct order\_id) as average\_order\_value from pizza\_sales;



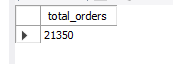
1. TOTAL QUANTITY SOLD :

Select sum(quantity) as total\_quantity\_sold from pizza\_sales;



1. TOTAL ORDER :

select count(distinct order\_id) as total\_orders from pizza\_sales;



1. AVERAGE PIZZA PER ORDER :

select sum(quantity) / count(distinct order\_id) as average\_pizza\_per\_order from pizza\_sales;



**THERE WAS A ERROR WHILE PERFORMING THE DATE QUERY**

* Data is in wrong format as ‘1-12-2005’ but MySql support ‘2005-12-01’ for conversion
* For conversion first need to disable the safe mode for mass manipulation on the data set

* For disable safe mode , the query
* SET SQL\_SAFE\_UPDATES = 0;
* Updated the data by the help of query
* UPDATE pizza\_sales

SET order\_date = STR\_TO\_DATE(order\_date, '%d-%m-%Y')

WHERE STR\_TO\_DATE(order\_date, '%d-%m-%Y') IS NOT NULL

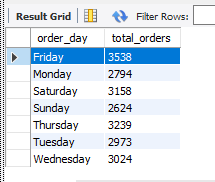
AND pizza\_ id IS NOT NULL;

* For re-enabling safe mode , the query (for maintain safety around data mass manupulation )
* SET SQL\_SAFE\_UPDATES = 1;

1. DAILY TREND OF TOTAL ORDERS :

select dayname(order\_date) as order\_day , count(distinct order\_id) as total\_orders from pizza\_sales

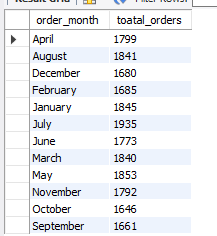
group by dayname( order\_date);



1. MONTHLY TREND FOR TOTAL ORDERS :

SELECT monthname(order\_date) as order\_month , count(distinct order\_id) as toatal\_orders from pizza\_sales

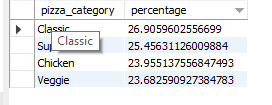
group by monthname(order\_date);



1. PERCENTAGE OF SALES BY PIZZA CATEGORY :

select pizza\_category , sum(total\_price)\*100 / (select sum(total\_price) from pizza\_sales) as percentage from pizza\_sales

group by pizza\_category;

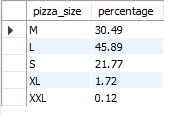


1. TOTAL PIZZA SOLD BY PIZZA CATEGORY :

(“CAST (query ... as decimal (10,2)) ” use to limit values after decimal )

select pizza\_size, cast( sum(total\_price)\*100 / (select sum(total\_price) from pizza\_sales) as decimal(10,2)) as percentage from pizza\_sales

group by pizza\_size;



* (For total quantity result , [replace total\_revenue with total\_quantity ] in the below given queries)
* (For total orders [sum(total\_price) as total\_revenue] replace this with [count (distinct order\_id )as total\_orders order by total\_orders] )

1. TOP 5 BEST SELLERS BY REVENUE , TOTAL QUANTITY AND TOTAL ODERS :

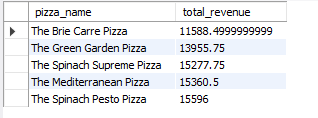
(by default ‘order by’ returns ascending values )

select pizza\_name , sum(total\_price) as total\_revenue from pizza\_sales

group by pizza\_name

order by total\_revenue

limit 5 ;



1. BOTTOM 5 BEST SELLERS BY REVENUE , TOTAL QUANTITY AND TOTAL ODERS :

select pizza\_name , sum(total\_price) as total\_revenue from pizza\_sales

group by pizza\_name

order by total\_revenue desc

limit 5 ;

