use [Pizza DB]

select \* from pizza\_sales

-- Total Revenue

select round(sum(total\_price),2) as total\_revenue from pizza\_sales

select cast(sum(total\_price) as decimal(10,2)) as total\_revenue from pizza\_sales

-- Average amount spent per order calculate by dividing the Total Revenue by the Total # of orders

select round(sum(total\_price) / count(distinct order\_id),2) from pizza\_sales

-- Fetch the Total quantity of pizzas sold

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

-- calculate the AVG numbers of pizzas sold per order

select round(cast(SUM(quantity) as decimal(10,2)) / cast(count(distinct order\_id) as decimal(10,2)),3) AS avg\_number\_of\_pizzas\_sold from pizza\_sales

-- Daily trend for total number of orders

select COUNT(DISTINCT order\_id) AS total\_number\_of\_orders, DATENAME(DW, order\_date) AS day\_of\_week from pizza\_sales

group by DATENAME(DW, order\_date)

order by total\_number\_of\_orders DESC

-- Hourly Trend for Total Number of Orders

select COUNT(DISTINCT order\_id) AS total\_number\_of\_orders, DATEPART(HOUR, order\_time) AS hourly\_trend from pizza\_sales

group by DATEPART(HOUR, order\_time)

order by hourly\_trend

-- PERCENTAGE OF TOTAL REVENUE BY PIZZA CATEGORY

select ROUND(SUM(total\_price),2) AS total\_revenue, pizza\_category,

ROUND(SUM(total\_price) / (SELECT SUM(total\_price) from pizza\_sales) \* 100, 2) AS percentage\_of\_total\_revenue from pizza\_sales

GROUP BY pizza\_category

-- PERCENTAGE OF TOTAL REVENUE BY PIZZA CATEGORY FOR THE MONTH OF JANUARY

-- Whenever there is a subquery in the query and whenever I use the filter clause WHERE, -- I have to add it to the subquery too in order to get the right output

select ROUND(SUM(total\_price),2) AS total\_revenue, pizza\_category,

ROUND(SUM(total\_price) / (SELECT SUM(total\_price) from pizza\_sales WHERE MONTH(order\_date) = 01) \* 100, 2) AS percentage\_of\_total\_revenue\_month\_of\_january

FROM pizza\_sales

WHERE MONTH(order\_date) = 01

GROUP BY pizza\_category

ORDER BY total\_revenue DESC

-- PERCENTAGE OF SALES BY PIZZA SIZE. INSTEAD OF ROUNDING, I HAVE USED THE CAST FUNCTION TO GET THE VALUES’ NUMBER OF DECIMALS

select ROUND(SUM(total\_price),2) AS total\_revenue, pizza\_size,

CAST(SUM(total\_price) / (SELECT SUM(total\_price) from pizza\_sales) \* 100 AS decimal(10,2)) AS PCT\_of\_total\_revenue from pizza\_sales

GROUP BY pizza\_size

ORDER BY PCT\_of\_total\_revenue DESC

-- PERCENTAGE OF SALES BY PIZZA SIZE FOR THE FIRST QUARTER OF THE YEAR

-- I must include the filter clause WHERE in the subquery TOO. As the query above I have used CAST instead of ROUNDING to get the right # of decimals

select ROUND(SUM(total\_price),2) AS total\_revenue, pizza\_size,

CAST(SUM(total\_price) / (SELECT SUM(total\_price) FROM pizza\_sales WHERE DATEPART(QUARTER, order\_date) = 1) \* 100 AS decimal(10,2)) AS PCT\_of\_total\_revenue

from pizza\_sales

WHERE DATEPART(QUARTER, order\_date) = 1

GROUP BY pizza\_size

ORDER BY total\_revenue DESC

-- Total Pizzas sold by Pizza Category

SELECT SUM(quantity) AS number\_of\_pizza\_sold, pizza\_category

FROM pizza\_sales

GROUP BY pizza\_category

ORDER BY number\_of\_pizza\_sold DESC

-- TOP 5 BEST PIZZA NAMES BEST SELLERS BY TOTAL PIZZAS SOLD

SELECT TOP 5

pizza\_name, SUM(quantity) AS total\_pizzas\_sold FROM pizza\_sales

GROUP BY pizza\_name

ORDER BY total\_pizzas\_sold DESC

-- BOTTOM 5 BEST PIZZA NAMES WORST SELLERS BY TOTAL PIZZAS SOLD

SELECT TOP 5

pizza\_name, SUM(quantity) AS total\_pizzas\_sold FROM pizza\_sales

GROUP BY pizza\_name

ORDER BY total\_pizzas\_sold ASC