

**CREATE DATABASE business\_db;**

**USE business\_db;**

**select \*from pizza\_sales**

**select sum(total\_price) AS Total\_Revenue from pizza\_sales**

**# Total\_Revenue**

**817860.049999993**

**select sum(total\_price) / count(distinct order\_id) as Average\_ORDER\_VALE from  
pizza\_sales**

**# Average\_ORDER\_VALUE**

**38.307262295081635**

**select sum(quantity) as Total\_Pizzas\_Sold from pizza\_sales**

**# Total\_Pizzas\_Sold**

**49574**

**select count(distinct order\_id) as Total\_Orders from pizza\_sales**

**# Total\_Orders**

**21350**

**select cast(sum(quantity) as decimal(10,2)) / cast(count(distinct order\_id) as  
decimal(10,2)) from pizza\_sales**

**# cast(sum(quantity) as decimal(10,2)) / cast(count(distinct order\_id) as decimal(10,2))**

**2.321967**

**select cast(cast(sum(quantity) as decimal(10,2)) / cast(count(distinct order\_id) as  
decimal(10,2)) as decimal(10,2)) as AVG\_Pizzas\_per\_order from pizza\_sales**

**# cast(cast(sum(quantity) as decimal(10,2)) / cast(count(distinct order\_id) as decimal(10,2)) as  
decimal(10,2))**

**2.32**

**—daily trend**

**SELECT DAYNAME(order\_date) AS Order\_DAY,**

**COUNT(DISTINCT order\_id) AS TOTAL\_ORDERS**

**FROM pizza\_sales**

**GROUP BY DAYNAME(order\_date)**

**ORDER BY TOTAL\_ORDERS;**

# Order_DAY	TOTAL_ORDERS
Sunday	2624
Monday	2794
Tuesday	2973
Wednesday	3024
Saturday	3158
Thursday	3239
Friday	3538

–hourly trend

```

SELECT
    HOUR(order_time) AS ORDER_HOURS,
    COUNT(DISTINCT order_id) AS TOTAL_ORDERS
FROM
    pizza_sales
GROUP BY
    HOUR(order_time)
ORDER BY
    ORDER_HOURS;

```

# ORDER_HOURS	TOTAL_ORDERS
9	1
10	8
11	1231
12	2520
13	2455
14	1472
15	1468
16	1920
17	2336
18	2399
19	2009
20	1642
21	1198
22	663
23	28

-- %age of sales by pizza category

```

select pizza_category , sum(total_price) * 100 / (select sum(total_price) from pizza_sales)
as perc_Total_SALES
from pizza_sales
group by pizza_category

```

```
# pizza_category      perc_Total_SALES
Classic26.905960230697634
Veggie 23.682591025867666
Supreme    25.456311211146232
Chicken    23.95513753228847
```

**-- for month of january only**

```
select pizza_category , sum(total_price) as Total_SALES, sum(total_price) * 100 /
(select sum(total_price) from pizza_sales where month(order_date) = 1) as
perc_Total_SALES
from pizza_sales
where month(order_date) = 1
group by pizza_category
```

```
# pizza_category      Total_SALES  perc_Total_SALES
Classic18619.40000152588  26.677918917603815
Veggie 17055.400077819824 24.437016248970597
Supreme    17929.74998664856 25.689786798582062
Chicken    16188.75      23.195278034843525
```

**-- %age of sales by pizza sale**

```
select pizza_size , sum(total_price) as TOTAL_SALES, sum(total_price) * 100 /
(select sum(total_price) from pizza_sales) as perc_Total_SALES
from pizza_sales
group by pizza_size
order by perc_Total_SALES DESC
```

```
# pizza_size  TOTAL_SALES      perc_Total_SALES
L      375318.7010040283  45.8903330244889
M      249382.25      30.492044420599004
S      178076.49981307983 21.77346841070373
XL     14076 1.7210768499536417
XXL    1006.6000213623047 0.12307729425472462
```

**-- see for only 2 decimal points**

```
select pizza_size , sum(total_price) as TOTAL_SALES, CAST(sum(total_price) * 100 /
(select sum(total_price) from pizza_sales) as decimal(10,2)) as perc_Total_SALES
from pizza_sales
group by pizza_size
order by perc_Total_SALES DESC
```

```
# pizza_size  TOTAL_SALES      perc_Total_SALES
```

L	375318.7010040283	45.89
M	249382.25	30.49
S	178076.49981307983	21.77
XL	14076	1.72
XXL	1006.6000213623047	0.12

-- see for only 2 decimal points and for quarter 1 only

```

select pizza_size , sum(total_price) as TOTAL_SALES, CAST(sum(total_price) * 100 /
(select sum(total_price) from pizza_sales WHERE QUARTER(order_date) = 1) as
decimal(10,2)) as perc_Total_SALES
from pizza_sales
-- for first quarter
-- where DATEPART(quarter,order_date)=1
WHERE QUARTER(order_date) = 1
group by pizza_size
order by perc_Total_SALES DESC

```

#	pizza_size	TOTAL_SALES	perc_Total_SALES
L	95229.6502571106	46.37	
M	61159	29.78	
S	45384.249952316284	22.10	
XL	3289.5	1.60	
XXL	287.6000061035156	0.14	

-- total pizzas sold by pizza category

```

select pizza_category, sum(quantity) as Total_Pizzas_SOLD
from pizza_sales
group by pizza_category

```

#	pizza_category	Total_Pizzas_SOLD
Classic	14888	
Veggie	11649	
Supreme	11987	
Chicken	11050	

-- top 5 best seller by total pizzas sold

```

select pizza_name,sum(quantity) as Total_Pizzas_Sold
from pizza_sales
group by pizza_name
order by Total_Pizzas_Sold DESC
limit 5

```

```
# pizza_name Total_Pizzas_Sold
The Classic Deluxe Pizza    2453
The Barbecue Chicken Pizza 2432
The Hawaiian Pizza    2422
The Pepperoni Pizza  2418
The Thai Chicken Pizza    2371
```

All queries

```
CREATE DATABASE business_db;
USE business_db;
select *from pizza_sales
CREATE TABLE pizza_sales_backup AS
SELECT * FROM pizza_sales;
```

```
ALTER TABLE pizza_sales
  MODIFY pizza_id INT,
  MODIFY order_id INT,
  MODIFY pizza_name_id VARCHAR(50),
  MODIFY quantity TINYINT,
  MODIFY order_time TIME,
  MODIFY unit_price FLOAT,
  MODIFY total_price FLOAT,
  MODIFY pizza_size VARCHAR(50),
  MODIFY pizza_category VARCHAR(50),
  MODIFY pizza_ingredients VARCHAR(200),
  MODIFY pizza_name VARCHAR(50);
```

```
ALTER TABLE pizza_sales MODIFY order_date DATE;
SELECT order_date FROM pizza_sales LIMIT 10;
-- 0 when want to modify
SET SQL_SAFE_UPDATES = 1;
```

```
UPDATE pizza_sales
SET order_date = STR_TO_DATE(order_date, '%d-%m-%Y');
```

```
DESCRIBE pizza_sales;
```

```
select sum(total_price) AS Total_Revenue from pizza_sales
```

```
select sum(total_price) / count(distinct order_id) as Average_ORDER_VALUE from pizza_sales
```

```
select sum(quantity) as Total_Pizzas_Sold from pizza_sales
```

```
select count(distinct order_id) as Total_Orders from pizza_sales
```

```
select cast(cast(sum(quantity) as decimal(10,2)) / cast(count(distinct order_id) as decimal(10,2))  
as decimal(10,2)) as AVG_Pizzas_per_order from pizza_sales
```

```
-- daily trend for orders
```

```
-- select dayname(dw,order_date) as Order_DAY , count(distinct order_id) as TOTAL_ORDERS  
from pizza_sales group by dayname(dw,oder_date)
```

```
SELECT DAYNAME(order_date) AS Order_DAY,  
       COUNT(DISTINCT order_id) AS TOTAL_ORDERS  
FROM pizza_sales  
GROUP BY DAYNAME(order_date)  
ORDER BY TOTAL_ORDERS;
```

```
-- hourly trend
```

```
-- select datepart(hour,order_time) as ORDER_HOURS ,COUNT(DISTINCT order_id) AS  
TOTAL_ORDERS  
-- from pizza_sales  
-- group by datepart(hour,order_time)  
-- order by datepart(hour,order_time)
```

```
SELECT  
    HOUR(order_time) AS ORDER_HOURS,  
    COUNT(DISTINCT order_id) AS TOTAL_ORDERS  
FROM  
    pizza_sales  
GROUP BY  
    HOUR(order_time)  
ORDER BY  
    ORDER_HOURS;
```

```
-- %age of sales by pizza category
```

```
select pizza_category , sum(total_price) * 100 / (select sum(total_price) from pizza_sales) as  
perc_Total_SALES  
from pizza_sales  
group by pizza_category
```

```
-- display total sales as well
```

```
select pizza_category , sum(total_price) as Total_SALES, sum(total_price) * 100 / (select  
sum(total_price) from pizza_sales) as perc_Total_SALES  
from pizza_sales
```

group by pizza\_category

-- for month of january only

```
select pizza_category , sum(total_price) as Total_SALES, sum(total_price) * 100 /  
(select sum(total_price) from pizza_sales where month(order_date) = 1) as perc_Total_SALES  
from pizza_sales  
where month(order_date) = 1  
group by pizza_category
```

-- %age of sales by pizza sale

```
select pizza_size , sum(total_price) as TOTAL_SALES, sum(total_price) * 100 /  
(select sum(total_price) from pizza_sales) as perc_Total_SALES  
from pizza_sales  
group by pizza_size  
order by perc_Total_SALES DESC
```

-- see for only 2 decimal points

```
select pizza_size , sum(total_price) as TOTAL_SALES, CAST(sum(total_price) * 100 /  
(select sum(total_price) from pizza_sales WHERE QUARTER(order_date) = 1) as  
decimal(10,2)) as perc_Total_SALES  
from pizza_sales  
-- for first quarter  
-- where DATEPART(quarter,order_date)=1  
WHERE QUARTER(order_date) = 1  
group by pizza_size  
order by perc_Total_SALES DESC
```

-- total pizzas sold by pizza category

```
select pizza_category, sum(quantity) as Total_Pizzas_SOLD  
from pizza_sales  
group by pizza_category
```

-- top 5 best seller by total pizzas sold

```
select pizza_name,sum(quantity) as Total_Pizzas_Sold  
from pizza_sales  
group by pizza_name  
order by Total_Pizzas_Sold DESC  
limit 5
```

