

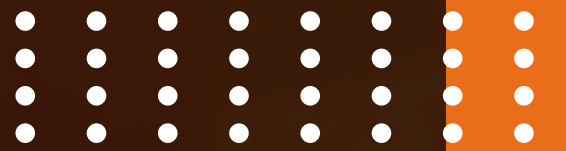
Where Every Slice is a Taste of Perfection

WELCOME TO PIZZA RESTO

Start Your Slide

ORDER
NOW





RETRIEVE TOTAL NUMBER OF ORDERS PLACED

```
use pizzahut;  
select count(order_id) as total_orders from orders;
```

| | |
|---|--------------|
| | total_orders |
| ▶ | 825 |

ORDER
NOW





CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES

```
SELECT  
    ROUND(SUM(order_details.quantity * pizzas.price),  
          2) AS total_sales  
FROM  
    order_details  
    JOIN  
    pizzas ON pizzas.pizza_id = order_details.pizza_id
```

| | total_sales |
|---|-------------|
| ▶ | 261003.6 |



IDENTIFY THE HIGHEST-PRICED-PIZZA

```
select pizza_types.name ,pizzas.price
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
order by pizzas.price desc limit 1;
```

| | name | price |
|---|-----------------|-------|
| ▶ | The Greek Pizza | 35.95 |





IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED

```
SELECT
    pizzas.size,
    COUNT(order_details.order_details_id) AS order_count
FROM
    pizzas
    JOIN
    order_details ON pizzas.pizza_id = order_details.pizza_id
GROUP BY pizzas.size
ORDER BY order_count DESC;
```

| | size | order_count |
|---|------|-------------|
| ▶ | L | 5757 |
| | M | 19 |
| | S | 4740 |
| | XL | 89 |
| | XXL | 5 |





LIST THE TOP 5 MOST ORDERED PIZZA TYPES ALONG WITH THEIR QUANTITIE

```
SELECT
    pizza_types.name, SUM(order_details.quantity) AS quantity
FROM
    pizza_types
    JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
    JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.name
ORDER BY quantity DESC
LIMIT 5;
```

| | name | quantity |
|---|------------------------------|----------|
| ▶ | The Barbecue Chicken Pizza | 1718 |
| | The California Chicken Pizza | 1260 |
| | The Big Meat Pizza | 1221 |
| | The Classic Deluxe Pizza | 1089 |
| | The Hawaiian Pizza | 818 |



JOIN THE NECESSARY TABLES TO FIND THE TOTAL QUANTITY OF EACH PIZZA CATEGORY ORDERED

```
select pizza_types.category,  
sum(order_details.quantity)  
as quantity from pizza_types join pizzas  
on pizza_types.pizza_type_id = pizzas.pizza_type_id  
join order_details  
on order_details.pizza_id = pizzas.pizza_id  
group by pizza_types.category order by quantity desc;
```

| | category | quantity |
|---|----------|----------|
| ▶ | Classic | 5017 |
| | Chicken | 4568 |
| | Veggie | 3231 |
| | Supreme | 3043 |

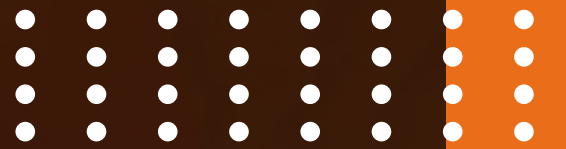


DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY

```
SELECT
    HOUR(order_time) AS hour, COUNT(order_id) AS order_count
FROM
    orders
GROUP BY HOUR(order_time);
```

| | hour | order_count |
|--|------|-------------|
| | 11 | 42 |
| | 12 | 105 |
| | 13 | 93 |
| | 14 | 72 |
| | 15 | 63 |
| | 16 | 72 |
| | 17 | 95 |
| | 18 | 88 |
| | 19 | 76 |
| | 20 | 59 |
| | 21 | 35 |
| | 22 | 25 |





JOIN RELEVANT TABLES TO FIND THE CATEGORY WISE DISTRIBUTION OF PIZZAS



```
SELECT
    category, COUNT(name)
FROM
    pizza_types
GROUP BY category;
```

| | category | COUNT(name) |
|---|----------|-------------|
| ▶ | Chicken | 6 |
| | Classic | 8 |
| | Supreme | 9 |
| | Veggie | 9 |





GROUP THE ORDERS BY DATE AND CALCULATE THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY

```
SELECT
    ROUND(AVG(quantity), 0) as avg_pizza_ordered_per_day
FROM
    (SELECT
        orders.order_date, SUM(order_details.quantity) AS quantity
    FROM
        orders
    JOIN order_details ON orders.order_id = order_details.order_id
    GROUP BY orders.order_date) AS order_quantity;
```

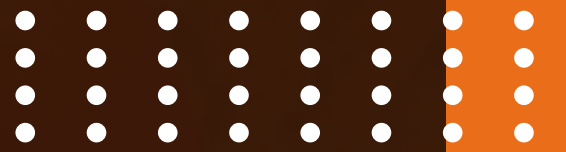
| | avg_pizza_ordered_per_day |
|---|---------------------------|
| ▶ | 60 |



DETERMINE THW TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE

```
SELECT
    pizza_types.name,
    SUM(order_details.quantity * pizzas.price) AS revenue
FROM
    pizza_types
    JOIN
    pizzas ON pizzas.pizza_type_id = pizza_types.pizza_type_id
    JOIN
    order_details ON order_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.name
ORDER BY revenue DESC
LIMIT 3;
```

| | name | revenue |
|---|------------------------------|---------|
| ► | The Barbecue Chicken Pizza | 30368.5 |
| | The California Chicken Pizza | 22037 |
| | The Classic Deluxe Pizza | 17004 |



CALCULATE THE PERCENTAGE CONTRIBUTION OF EACH PIZZA TYPE TO TOTAL REVENUE.

```
select pizza_types.category,  
round(sum(order_details.quantity*pizzas.price)/  
(select round(sum(order_details.quantity*pizzas.price)  
,2) as total_sales  
from order_details  
join pizzas on pizzas.pizza_id = order_details.pizza_id)*100,2)as revenue  
from pizza_types join pizzas  
on pizza_types.pizza_type_id = pizzas.pizza_type_id  
join order_details  
on order_details.pizza_id = pizzas.pizza_id  
group by pizza_types.category  
order by revenue desc;
```

| | category | revenue |
|---|----------|---------|
| ▶ | Chicken | 30.77 |
| | Classic | 27.61 |
| | Veggie | 20.83 |
| | Supreme | 20.79 |



ANALYZE THE CUMULATIVE REVENUE GENERATED OVER TIME

```
select order_date,  
sum(revenue) over(order by order_date) as cum_revenue  
from  
(select orders.order_date,  
sum(order_details.quantity * pizzas.price) as revenue  
from order_details join pizzas  
on order_details.pizza_id = pizzas.pizza_id  
join orders  
on orders.order_id = order_details.order_id  
group by orders.order_date) as sales;
```

| order_date | cum_revenue |
|------------|--------------------|
| 2015-01-01 | 1136.3500000000001 |
| 2015-01-02 | 2245.8500000000004 |
| 2015-01-03 | 50000000000004 |
| 2015-01-04 | 4260.1500000000001 |
| 2015-01-05 | 5159.1 |
| 2015-01-06 | 6232.3 |
| 2015-01-07 | 7195.25 |
| 2015-01-08 | 8352.4 |
| 2015-01-09 | 9386.85 |
| 2015-01-10 | 10501.15 |
| 2015-01-11 | 11341.949999999999 |
| 2015-01-12 | 12223.749999999998 |
| 2015-01-13 | 13031.649999999998 |
| 2015-01-14 | 13750.899999999998 |

- DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE FOR EACH PIZZA CATEGORY

```
select name ,revenue from
(select category ,name ,revenue,
rank() over (partition by category order by revenue desc ) as rn
from
(select pizza_types.category,pizza_types.name,
sum((order_details.quantity)*pizzas.price) as revenue
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
join order_details
on order_details.pizza_id = pizzas.pizza_id
group by pizza_types.category,pizza_types.name) as a) as b
where rn <=3;
```

| name | revenue |
|------------------------------|---------------------|
| The Barbecue Chicken Pizza | 30368.5 |
| The California Chicken Pizza | 22037 |
| The Chicken Alfredo Pizza | 8136.75 |
| The Classic Deluxe Pizza | 17004 |
| The Big Meat Pizza | 14652 |
| The Hawaiian Pizza | 10897.5 |
| The Italian Supreme Pizza | 10608.25 |
| The Calabrese Pizza | 8956.25 |
| The Brie Carre Pizza | 6787.5499999999971 |
| The Four Cheese Pizza | 12799.5500000000092 |
| The Five Cheese Pizza | 11303.5 |
| The Mexicana Pizza | 7066.25 |

**THANK YOU
FOR ATTENTION**

