



LARANA PIZZA

PIZZA SALES



TOTAL REVENUE GENERATED FROM PIZZA SALES

```
3 •   SELECT
4     ROUND(SUM(orders_details.quantity * pizzas.price),2) as total
5   FROM orders_details
6   JOIN pizzas
7     ON pizzas.pizza_id=orders_details.pizza_id
```

	total
▶	817860.05



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 3;
```

|   | name                 | price |
|---|----------------------|-------|
| ▶ | The Greek Pizza      | 35.95 |
|   | The Greek Pizza      | 25.5  |
|   | The Brie Carre Pizza | 23.65 |

# LIST TOP 5 MOST ORDERED PIZZA TYPES ALONG WITH THEIR QUANTITIES

- SELECT

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

| name                       | quantity |
|----------------------------|----------|
| The Classic Deluxe Pizza   | 2453     |
| The Barbecue Chicken Pizza | 2432     |
| The Hawaiian Pizza         | 2422     |
| The Pepperoni Pizza        | 2418     |
| The Thai Chicken Pizza     | 2371     |

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

```
SELECT pizza_types.category,
 SUM(orders_details.quantity) as quantity
 FROM pizza_types JOIN pizzas
 ON pizza_types.pizza_type_id=pizzas.pizza_type_id
 JOIN orders_details
 ON orders_details.pizza_id=pizzas.pizza_id
 GROUP BY pizza_types.category ORDER BY quantity DESC;
```

|   | category | quantity |
|---|----------|----------|
| ▶ | Classic  | 14888    |
|   | Supreme  | 11987    |
|   | Veggie   | 11649    |
|   | Chicken  | 11050    |

# DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY

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

|   | HOUR(order_time) | order_count |
|---|------------------|-------------|
| ▶ | 11               | 1231        |
|   | 12               | 2520        |
|   | 13               | 2455        |
|   | 14               | 1472        |
|   | 15               | 1468        |
|   | 16               | 1920        |
|   | 17               | 2336        |
|   | 18               | 2300        |

# 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), 2) AS avg_pizaa_ordered_per_day
FROM
 (SELECT
 orders.order_date, SUM(orders_details.quantity) AS quantity
 FROM
 orders
 JOIN orders_details ON orders.order_id = orders_details.order_id
 GROUP BY orders.order_date) AS order_quantity;
```

| avg_pizaa_ordered_per_day |
|---------------------------|
| 138.47                    |

# DETERMINE THE TOP MOST ORDERED PIZZA TYPES BASED ON REVENUE

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

|   | name                         | revenue  |
|---|------------------------------|----------|
| ▶ | The Thai Chicken Pizza       | 43434.25 |
|   | The Barbecue Chicken Pizza   | 42768    |
|   | The California Chicken Pizza | 41409.5  |

# 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(orders_details.quantity*pizzas.price) as revenue
 FROM orders_details JOIN pizzas
 ON orders_details.pizza_id=pizzas.pizza_id
 JOIN orders
 ON orders.order_id =orders_details.order_id
 GROUP BY orders.order_date) as Sales;
```

| order_date | cum_revenue       |
|------------|-------------------|
| 2015-01-01 | 2713.850000000004 |
| 2015-01-02 | 5445.75           |
| 2015-01-03 | 8108.15           |
| 2015-01-04 | 9863.6            |
| 2015-01-05 | 11929.55          |
| 2015-01-06 | 14358.5           |
| 2015-01-07 | 16560.7           |
| 2015-01-08 | 19399.05          |

# DETERMINE THE TOP 3 ORDERED PIZZA TYPES BASED PN 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((orders_details.quantity) * pizzas.price) as revenue
FROM pizza_types JOIN pizzas
ON pizza_types.pizza_type_id=pizzas.pizza_type_id
JOIN orders_details
ON orders_details.pizza_id=pizzas.pizza_id
group by pizza_types.category,pizza_types.name) as A) as b
WHERE RN<=3;
```

| name                         | revenue  |
|------------------------------|----------|
| The Thai Chicken Pizza       | 43434.25 |
| The Barbecue Chicken Pizza   | 42768    |
| The California Chicken Pizza | 41409.5  |

# CALCULATE PERCENTAGE CONTRIBUTION OF EACH PIZZA TYPE TO TOTAL REVENUE

```
SELECT
 pizza_types.category,
 ROUND(SUM(orders_details.quantity * pizzas.price) / (SELECT
 ROUND(SUM(orders_details.quantity * pizzas.price),
 2) AS sales
 FROM
 orders_details
 JOIN
 pizzas ON pizzas.pizza_id = orders_details.pizza_id) * 100,
 2) AS revenue
FROM
 pizza_types
 JOIN
 pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
 JOIN
 orders_details ON orders_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.category
ORDER BY revenue DESC;
```

|   | category | revenue |
|---|----------|---------|
| ▶ | Classic  | 26.91   |
|   | Supreme  | 25.46   |
|   | Chicken  | 23.96   |
|   | Veggie   | 23.68   |



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# THANK YOU!

