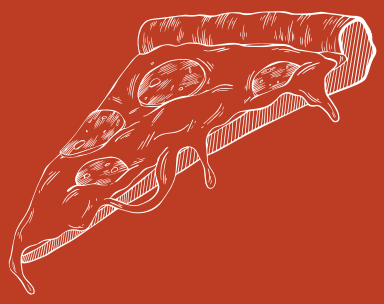

# SPECIAL FOOD

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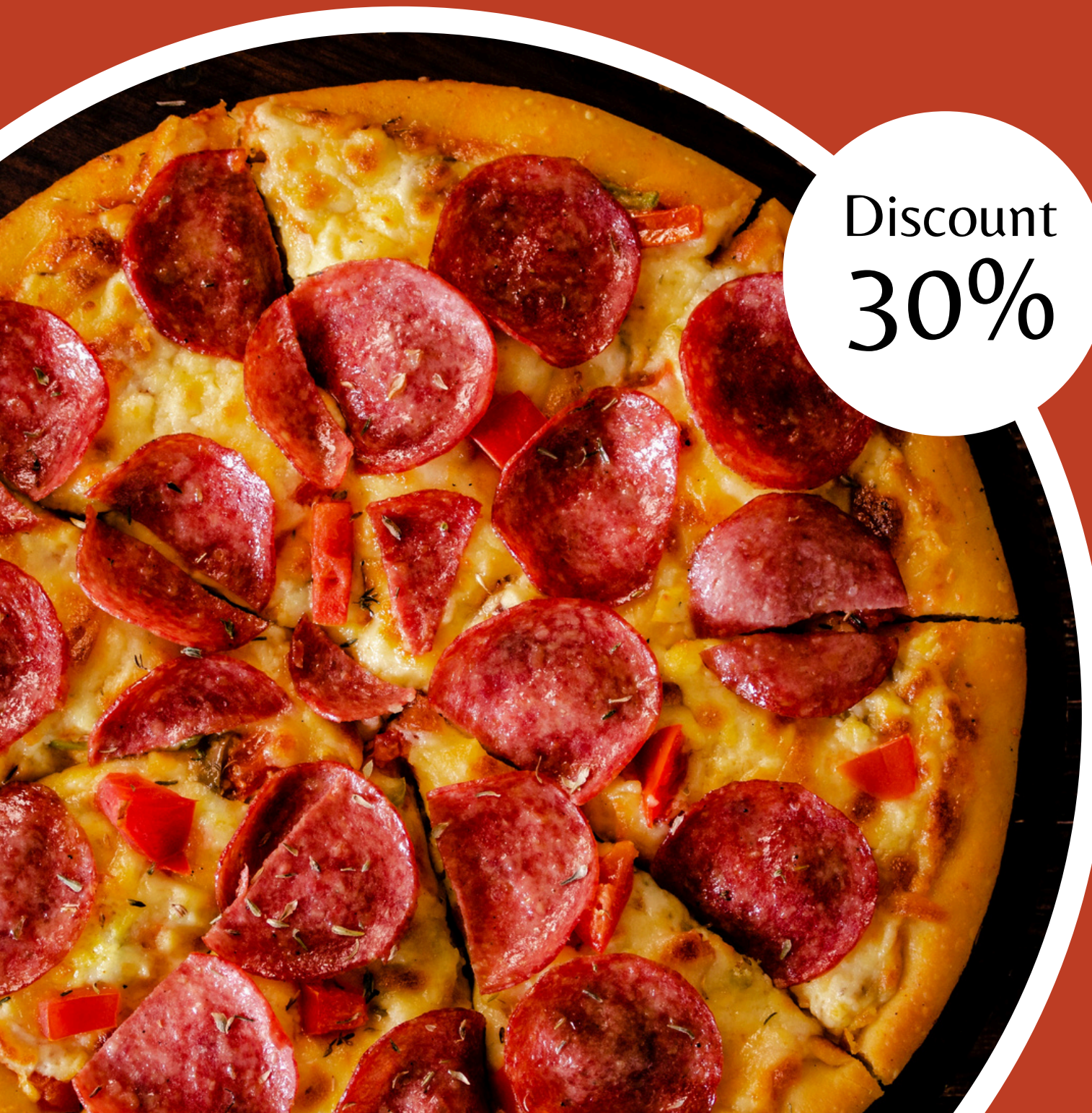
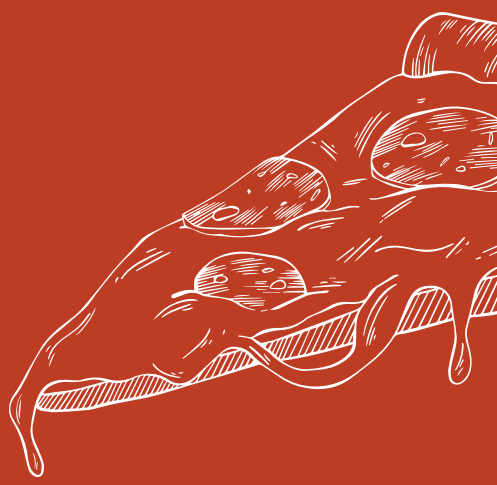


Discount
30%



# RETRIVE THE TOTAL NUMBER OF ORDER PLACED.

```
3 •    SELECT
4          COUNT(order_id) AS total
5      FROM
6          orders;
```

Result Grid | Filter Rows: | Export:

| | total |
|---|---|
| ▶ | 21350 |

# CALCULATE THE TOTAL REVENUE GENRATED FROM PZZA SALES

```
2  SELECT
3      ROUND(SUM(order_details.quantity * pizzas.price),
4              2) AS total_sales
5  FROM
6      order_details
7          JOIN
8      pizzas ON pizzas.pizza_id = order_details.pizza_id
9
```

esult Grid | Filter Rows: | Export: | Wrap Cell Cor

| total_sales |
| --- |
| 817860.05 |

# IDENTIFY THE HIGHESTPRICED PIZZA.

```
3  SELECT
4      pizza_types.name, pizzas.price
5  FROM
6      pizza_types
7          JOIN
8      pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_
9  ORDER BY pizzas.price DESC
10 LIMIT 1;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

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

# IDENTIFY THE MOST PIZZAS ORDER SIZE

```
3   SELECT
4       pizzas.size,
5       COUNT(order_details.order_details_id) AS order_count
6   FROM
7       pizzas
8           JOIN
9       order_details ON pizzas.pizza_id = order_details.pizza_id
10  GROUP BY pizzas.size
11  ORDER BY order_count DESC;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

| size | order_count |
|---|---|
| L | 18526 |
| M | 15385 |
| S | 14137 |
| XL | 544 |
| XXL | 28 |

Result Grid

Form Editor

# LIST THE TOP 5 MOST ORDERED PIZZAS TYPES ALONG WITH THEIR QUANTITIES.

```
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;
```

sult Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

| 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 PIZZZA CATEGORY ORDERD

```sql
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
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

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

# GROUP THE ORDERS BY DATE AND CALCULAE THE AVG NUM OF PIZZAS ORDERED PER DAY.

```
4   SELECT
5       ROUND(AVG(quantity), 0)
6   FROM
7       (SELECT
8           orders.order_date, SUM(order_details.quantity) AS quantity
9       FROM
10          orders
11      JOIN order_details ON orders.order_id = order_details.order_id
12      GROUP BY order_date) AS order_quantity;
13
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

| ROUND(AVG(quantity), 0) |
|---|
| 138 |

# DETERMINE THE DISTRUBUTION OF ORDERS BY HOUR OF THE DAY.

```
2
3 •  SELECT
4        HOUR(order_time) AS hour, COUNT(order_id) AS order_count
5    FROM
6        orders
7    GROUP BY HOUR(order_time);
8
```

esult Grid | Filter Rows: | Export: | Wrap Cell Content:

| hour | order_count |
|---|---|
| 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 |
| 10 | 8 |
| 9 | 1 |

# JOIN RELEVENT TABLES TO FIND THE CATEGORY_WISE DISTRIBUTION OF PIZZAS

```
2 •    SELECT
3          category, COUNT(name)
4      FROM
5          pizza_types
6      GROUP BY category;
7
```

esult Grid | Filter Rows: | Export: | Wra

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

# DETERMINE THE TOP 3 MOST ORDERED PIZA TYPES BASED AN REVENUE.

```sql
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;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch ro

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

# CALCULATE THE PERCENTAGE CONTOIBUTION OF EACH PIZZAS TYPES TO TOTAL REVENUE

```sql
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;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

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

# ANLYSIS THE CUMULATIVE REVENUE GENERATED OVER TIME

```sql
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
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

| order_date | cum_revenue |
|---|---|
| 2015-01-01 | 2713.8500000000004 |
| 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 |
| 2015-01-09 | 21526.4 |
| 2015-01-10 | 23990.350000000002 |
| 2015-01-11 | 25862.65 |
| 2015-01-12 | 27781.7 |
| 2015-01-13 | 29831.300000000003 |

Result 1

# DETERMINE THE TOP 3 MOST ORDERS PIZZAS TYPES BASED ON REVENUE FOR EACH PIZZA CATEGORY

```sql
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;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

| name | revenue |
|---|---|
| The Thai Chicken Pizza | 43434.25 |
| The Barbecue Chicken Pizza | 42768 |
| The California Chicken Pizza | 41409.5 |
| The Classic Deluxe Pizza | 38180.5 |
| The Hawaiian Pizza | 32273.25 |
| The Pepperoni Pizza | 30161.75 |
| The Spicy Italian Pizza | 34831.25 |
| The Italian Supreme Pizza | 33476.75 |
| The Sicilian Pizza | 30940.5 |
| The Four Cheese Pizza | 32265.70000000065 |
| The Mexicana Pizza | 26780.75 |