



DOMINOS PIZZA





HELLO,

My name is ANJALI RAGHUVANSI. Here I have utilised SQL Queries to solve the problems that were related to pizza sales.

Retrieve the total number of orders placed.

```
SELECT  
    COUNT(order_id) AS total_orders  
FROM  
    orders;
```

Result Grid	
	total_orders
▶	21350

calculate the total sale 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
;
```

Result Grid	
	total_sales
▶	817860.05

Identify the highest priced pizza.

```
SELECT  
    pizza_type.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;
```

Result Grid | Filter Rows:

	name	price
▶	The Greek Pizza	35.95

Identify the most common pizza size ordered.

```
SELECT  
    PIZZAS.SIZE,  
    COUNT(ORDER_DETAILS.ORDER_DEATILS_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	18526
	M	15385
	S	14137
	XL	544
	XXL	28

List the top 5 most ordered pizza 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;
```

	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(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	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050

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	1231
	12	2520
	13	2455
	14	1472
	15	1468
	16	1920
	17	2336
	18	2399
	19	2009
	20	1642

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_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;
```

	Result Grid	 Filter
	avg_pizza_per_day	
▶	138	

Determine the 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 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 revenue **DESC**

LIMIT 3;

Result Grid



Filter Rows:

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

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**

;

Result Grid

	category	revenue
▶	Classic	26.91
	Supreme	25.46
	Chicken	23.96
	Veggie	23.68

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	2713.8500000000004
2015-01-02	5445.75
2015-01-03	2015-01-02
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

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 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
	The Five Cheese Pizza	26066.5



LARANA PIZZA

THANK YOU!

