



DELICIOUS BITES

DOMINOS



RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED.

```
USE dominos;  
SELECT  
    COUNT(order_id) AS Total_Orders  
FROM  
    orders;
```

Result Grid	
	Total_Orders
▶	21350





CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES.

```
USE dominos;  
SELECT  
    ROUND(SUM(orders_details.quantity * pizzas.price),  
        2) AS Total_Sales  
FROM  
    orders_details  
    JOIN  
    pizzas ON pizzas.pizza_id = orders_details.pizza_id;
```

Result Grid	
	Total_Sales
▶	817860.05



IDENTIFY THE HIGHEST-PRICED PIZZA.

```
USE dominos;  
SELECT  
    pizzas.price, pizza_types.name  
FROM  
    pizzas  
    JOIN  
        pizza_types ON pizzas.pizza_type_id = pizza_types.pizza_type_id  
ORDER BY pizzas.price DESC  
LIMIT 1;
```

Result Grid		Filter Row
	price	name
▶	35.95	The Greek Pizza

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

```
USE dominos;
SELECT
    pizza_types.category,
    CONCAT(ROUND(SUM(orders_details.quantity * pizzas.price) / 817860.05 * 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%





ANALYZE THE CUMULATIVE REVENUE GENERATED OVER TIME.

```
USE dominos;
select order_date, sum(revenue) over (order by order_date) as cum_revenue from
(select orders.order_date, round(sum(orders_details.quantity*pizzas.price),2) as revenue
from orders join orders_details
on orders.order_id = orders_details.order_id
join pizzas on pizzas.pizza_id = orders_details.pizza_id
group by orders.order_date) as sales;
```

Result Grid		Filter Rows:
	order_date	cum_revenue
▶	2015-01-01	2713.85
	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 MOST ORDERED PIZZA TYPES BASED ON REVENUE.

```
USE dominos;
SELECT
    pizza_types.name,
    ROUND(SUM(orders_details.quantity * pizzas.price),
        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.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

JOIN RELEVANT TABLES TO FIND THE CATEGORY WISE DISTRIBUTION OF PIZZAS.

```
USE dominos;  
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.

```
USE dominos;  
SELECT  
    ROUND(AVG(quantity), 0) AS Average_Orders  
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;
```

Result Grid	
	Average_Orders
▶	138



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

```
select category, 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, round(sum(orders_details.quantity * pizzas.price),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,pizza_types.name) as a) as b
where rn<=3;
```

Result Grid		
category	name	revenue
Chicken	The Thai Chicken Pizza	43434.25
Chicken	The Barbecue Chicken Pizza	42768
Chicken	The California Chicken Pizza	41409.5
Classic	The Classic Deluxe Pizza	38180.5
Classic	The Hawaiian Pizza	32273.25
Classic	The Pepperoni Pizza	30161.75
Supreme	The Spicy Italian Pizza	34831.25
Supreme	The Italian Supreme Pizza	33476.75
Supreme	The Sicilian Pizza	30940.5
Veggie	The Four Cheese Pizza	32265.7
Veggie	The Mexicana Pizza	26780.75
Veggie	The Five Cheese Pizza	26066.5

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

```
USE dominos;
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;
```

Result Grid			
		category	quantity
▶		Classic	14888
		Supreme	11987
		Veggie	11649
		Chicken	11050



DETERMINE THE DISTRIBUTION
OF THE ORDERS BY HOUR OF
THE DAY.

```
USE dominos;  
SELECT  
    HOUR(order_time), COUNT(order_id)  
FROM  
    orders  
GROUP BY HOUR(order_time);
```

HOUR(order_time)	COUNT(order_id)
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 THE NECESSARY TABLES TO
FIND THE TOTAL QUANTITY OF EACH
PIZZA CATEGORY ORDERED.

```
USE dominos;  
  
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;
```

Result Grid | Filter R

	category	quantity
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050

IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED.

```
USE dominos;
SELECT
    pizzas.size,
    COUNT(orders_details.order_details_id) AS order_count
FROM
    pizzas
        JOIN
    orders_details ON pizzas.pizza_id = orders_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 THERE 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

Result Grid		Filter 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

THANK YOU!

