

# PIZZA SALES



A cartoon illustration of two boys on a red background. On the left, a boy with dark hair and glasses, wearing a yellow shirt, is smiling and pointing towards the right. On the right, another boy wearing a green cap and a yellow striped shirt is laughing while holding a slice of pizza. Yellow starburst shapes are scattered around them.

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# INTRODUCTION

Pizza is a dish that originates from Italy and is one of the favorite foods of many people in various parts of the world.

**Let's start our adventure in the world of pizza!**

**RETRIEVE  
THE TOTAL  
NUMBER OF  
ORDERS  
PLACED.**

**SELECT**

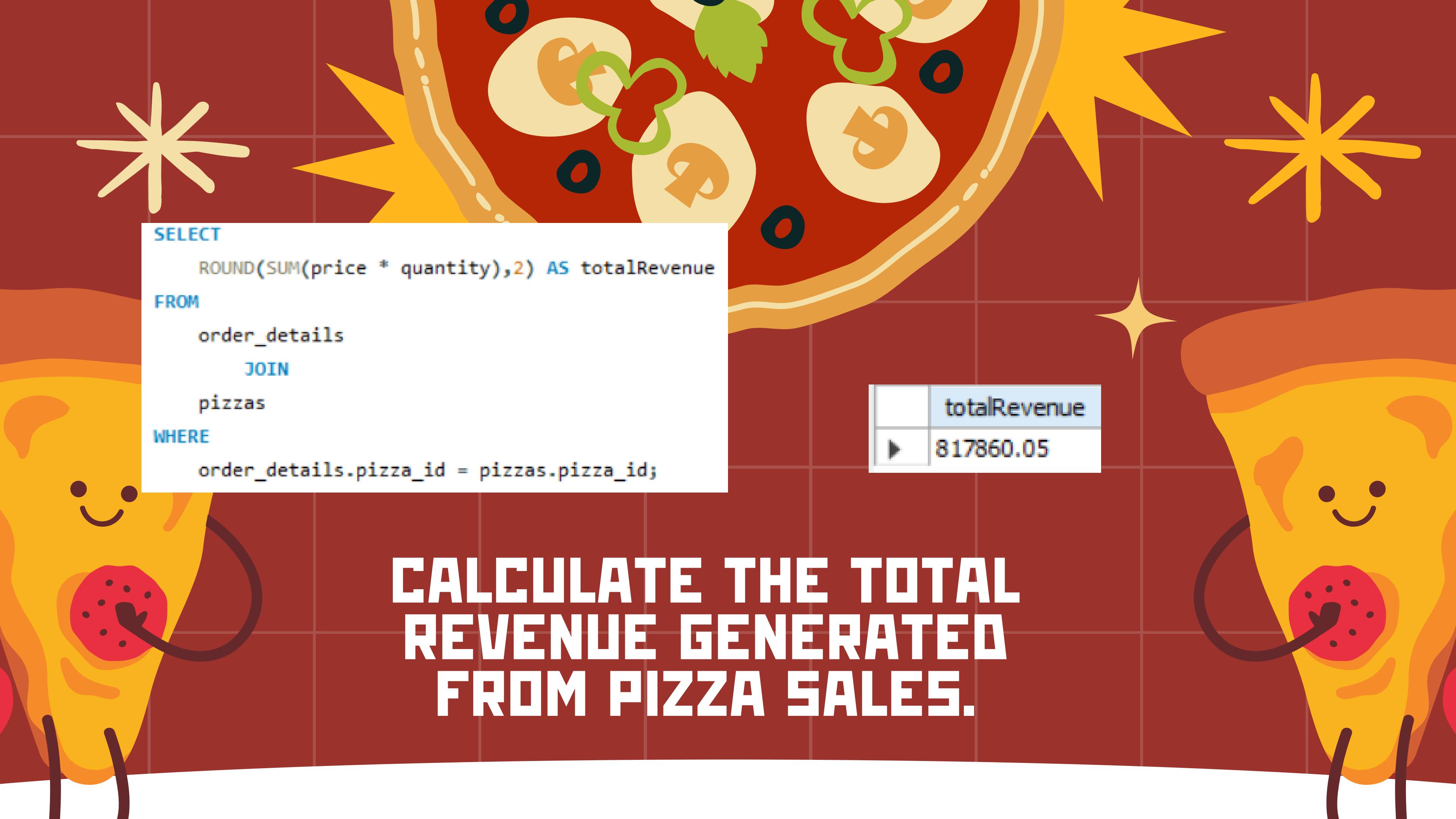
**COUNT(order\_id) AS totalOrders**

**FROM**

**orders;**

<b>totalOrders</b>
<b>21350</b>





```
SELECT  
    ROUND(SUM(price * quantity),2) AS totalRevenue  
FROM  
    order_details  
    JOIN  
    pizzas  
WHERE  
    order_details.pizza_id = pizzas.pizza_id;
```

	totalRevenue
▶	817860.05

# CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES.

# IDENTIFY THE HIGHEST-PRICED PIZZA.

```
SELECT
    name, category, price
FROM
    pizza_types
    JOIN
    pizzas
WHERE
    pizza_types.pizza_type_id = pizzas.pizza_type_id
ORDER BY 3 DESC
LIMIT 1;
```

	name	category	price
▶	The Greek Pizza	Classic	35.95

# IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED.



```
SELECT
    size AS mostCommonSize, COUNT(order_details_id) as quantity
FROM
    pizzas
    JOIN
    order_details
WHERE
    order_details.pizza_id = pizzas.pizza_id
GROUP BY 1
ORDER BY 2 DESC
LIMIT 1;
```

	mostCommonSize	quantity
▶	L	18526



**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 1**

**ORDER BY 2 DESC**

**LIMIT 5;**

	<b>name</b>	<b>quantity</b>
▶	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
    category, COUNT(order_details_id) as totalQuantity
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 1
ORDER BY 2 DESC;
```

	category	totalQuantity
▶	Classic	14579
	Supreme	11777
	Veggie	11449
	Chicken	10815

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

```
SELECT  
    HOUR(order_time), COUNT(order_id) as noOfOrders  
FROM  
    orders  
GROUP BY 1;
```

HOUR(order_time)	noOfOrders
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 RELEVANT  
TABLES TO FIND THE  
CATEGORY-WISE  
DISTRIBUTION OF  
PIZZAS.

```
SELECT
    category, COUNT(pizza_id) AS categoryWiseDisturbation
FROM
    pizza_types
    JOIN
    pizzas ON pizzas.pizza_type_id = pizza_types.pizza_type_id
GROUP BY 1;
```

	category	categoryWiseDisturbation
▶	Chicken	18
	Classic	26
	Supreme	25
	Veggie	27

```
SELECT  
    ROUND(AVG(new_quant))  
FROM  
    (SELECT  
        order_date, SUM(quantity) AS new_quant  
    FROM  
        orders  
    JOIN order_details ON order_details.order_id = orders.order_id  
    GROUP BY 1) AS order_quant;
```

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

	ROUND(AVG(new_quant))
▶	138

```
SELECT  
    name, SUM(quantity * 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 1  
ORDER BY 2 DESC  
LIMIT 3;
```

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



**DETERMINE THE  
TOP 3 MOST  
ORDERED PIZZA  
TYPES BASED  
ON REVENUE.**



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

```
SELECT  
    name,  
    ROUND(SUM(quantity * price) / (SELECT  
        SUM(quantity * price)  
    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 1  
ORDER BY 2 DESC;
```

name	revenue
The Five Cheese Pizza	3.19
The Pepperoni, Mushroom, ...	12.00
The Thai Chicken Pizza	5.31
The Barbecue Chicken Pizza	5.23
The California Chicken Pizza	5.06
The Classic Deluxe Pizza	4.67
The Spicy Italian Pizza	4.26
The Southwest Chicken Pizza	4.24
The Italian Supreme Pizza	4.09
The Hawaiian Pizza	3.95
The Four Cheese Pizza	3.95
The Sicilian Pizza	3.78
The Pepperoni Pizza	3.69

name	revenue
The Five Cheese Pizza	3.19
The Pepperoni, Mushroom, ...	12.00
The Italian Capocollo Pizza	3.07
The Vegetables + Vegetable... Pizza	2.98
The Prosciutto and Arugula ... Pizza	2.96
The Napolitana Pizza	2.95
The Spinach and Feta Pizza	2.85
The Big Meat Pizza	2.81
The Pepperoni, Mushroom, ... Pizza	2.30
The Chicken Alfredo Pizza	2.07
The Chicken Pesto Pizza	2.04
The Soppressata Pizza	2.01

# ANALYZE THE CUMULATIVE REVENUE GENERATED OVER TIME.

order_date	cumulative
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
2015-01-09	21526.4
2015-01-10	23990.35
2015-01-11	25862.65
2015-01-12	27781.7
2015-01-13	29831.3
2015-01-14	32358.7
2015-01-15	34343.5
2015-01-16	36937.65
2015-01-17	39001.75
2015-01-18	40978.6

```
select order_date,round( sum(revenue) over (order by order_date),2)
as cumulative
from
(SELECT
    order_date, SUM(quantity * price) AS revenue
FROM
    orders
JOIN
    order_details ON order_details.order_id = orders.order_id
JOIN
    pizzas ON order_details.pizza_id = pizzas.pizza_id
```



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

```
select
category ,name, revenue, ran
from(select category,name,revenue ,rank()
over(partition by category order by revenue desc )as ran
from
(SELECT
    category,name, ROUND(SUM(price * quantity), 0) 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 1,2 ) as tab)as tab2
where ran <=3;
```

category	name	revenue	ran
Chicken	The Thai Chicken Pizza	43434	1
Chicken	The Barbecue Chicken Pizza	42768	2
Chicken	The California Chicken Pizza	41410	3
Classic	The Classic Deluxe Pizza	38180	1
Classic	The Hawaiian Pizza	32273	2
Classic	The Pepperoni Pizza	30162	3
Supreme	The Spicy Italian Pizza	34831	30162
Supreme	The Italian Supreme Pizza	33477	2
Supreme	The Sicilian Pizza	30940	3
Veggie	The Four Cheese Pizza	32266	1
Veggie	The Mexicana Pizza	26781	2
Veggie	The Five Cheese Pizza	26066	3

A festive illustration set against a red background with a white grid. In the center, the words "THANK YOU" are written in large, bold, white capital letters. To the left, a person with dark curly hair and a green sweater holds a slice of pizza. To the right, another person with glasses and a green sweater holds a small wrapped gift. Above them, a reindeer with a yellow and orange patterned collar and a bell hangs from its neck. The reindeer has large, expressive eyes and a small smile. The background is decorated with yellow stars and a large yellow starburst at the bottom.

THANK YOU