

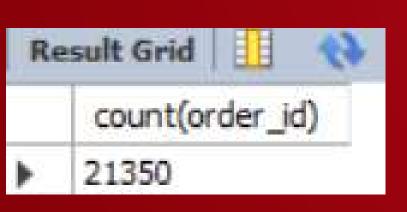


WELCOME TO PIZZAHUT



Retrieve the total number of orders placed.

select count(order_id) from orders;





Calculate the total revenue generated from pizza sales.

```
SELECT

ROUND(SUM(order_details.quantity * pizzas.price),

0) AS total_revenue

FROM

order_details

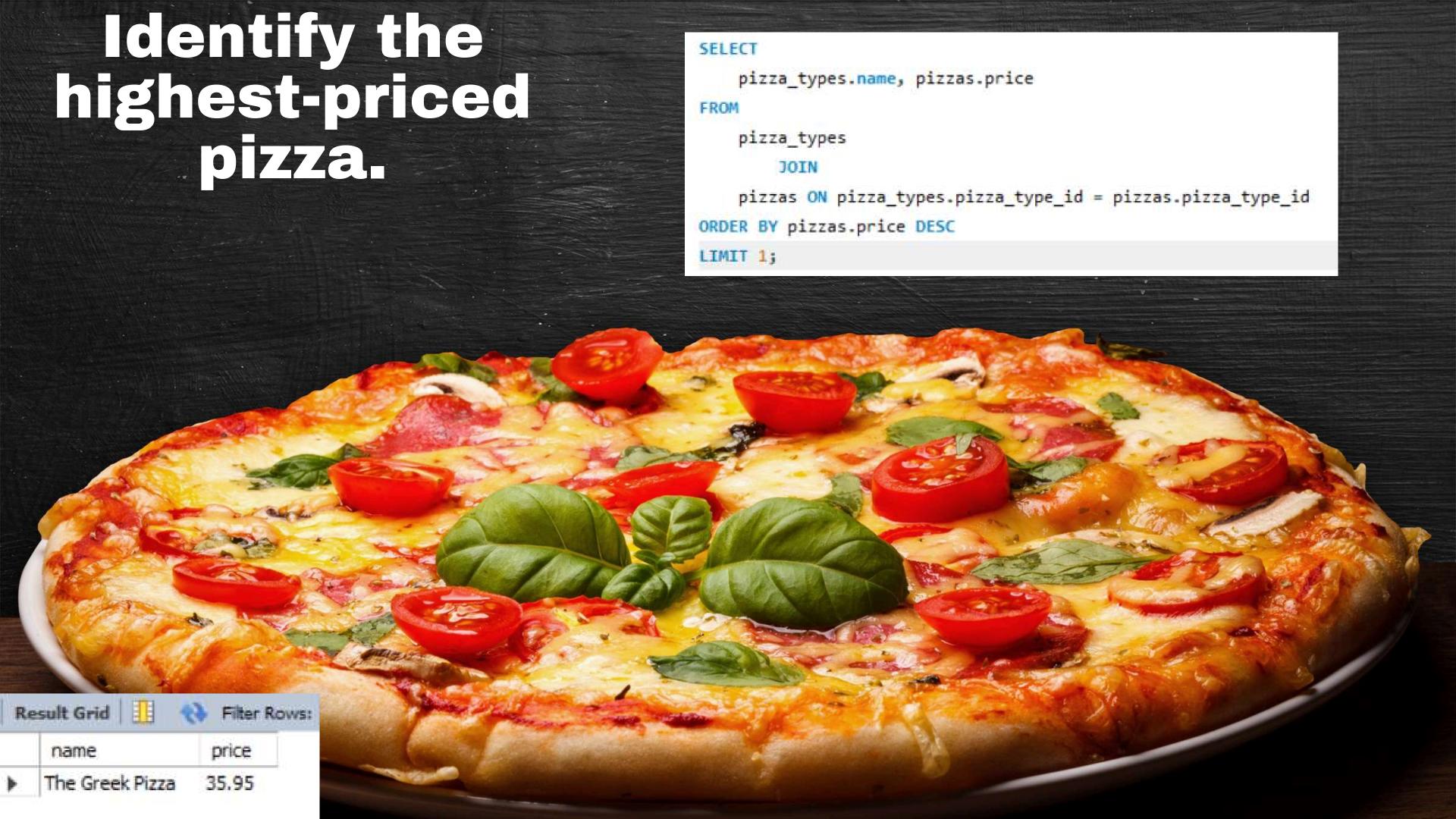
JOIN

pizzas ON order_details.pizza_id = pizzas.pizza_id

;
```







Identify the most common pizza size ordered.

```
pizzas.size, COUNT(order_details.order_id) AS pizza_Sales

FROM

order_details

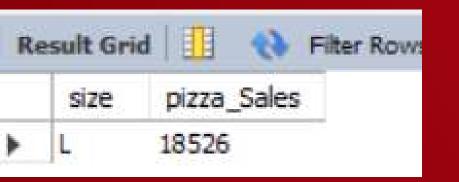
JOIN

pizzas ON order_details.pizza_id = pizzas.pizza_id

GROUP BY pizzas.size

ORDER BY pizza_sales DESC

LIMIT 1;
```





Join the necessary tables to find the total quantity of each pizza category ordered

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

R	esult Grid	Filter Rows:	
	category	pizza_ordered	
*	Classic	14888	
	Supreme	11987	
	Veggie	11649	
	Chicken	11050	



Determine the distribution of orders by hour of the day.

SELECT

HOUR(orders.time_id), COUNT(order_id)

FROM

orders

GROUP BY HOUR(orders.time_id);

Result Grid 🗓 \infty Filter Rows:					
hour(orders.time_id)	count(order_id)				
11	1231				
12	2520				
13	2455				
14	1472				
15	1468				
16	1920				
	2225				



Join relevant tables to find the category-wise distribution of pizzas.

SELECT

category, COUNT(name)

FROM

pizza_types

GROUP BY category;





Group the orders by date and calculate the average number of pizzas ordered per day.

```
SELECT

AVG(total)

FROM

(SELECT

orders.date_id, SUM(order_details.quantity) AS total

FROM

orders

JOIN order_details ON orders.order_id = order_details.order_id

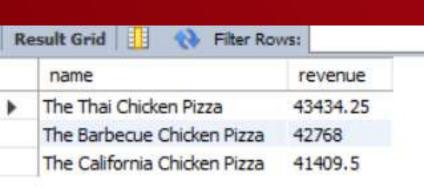
GROUP BY orders.date_id) AS a;
```





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 pizzas.pizza_id = order_details.pizza_id
GROUP BY pizza_types.name
ORDER BY revenue DESC
LIMIT 3;
```





Calculate the percentage contribution of each pizza type to total revenue.

```
SELECT
     pizza_types.category,
     CONCAT(ROUND(SUM(order_details.quantity * pizzas.price) / (SELECT
                             SUM(order_details.quantity * pizzas.price)
                         FROM
                             order_details
                                 JOIN
                             pizzas ON order_details.pizza_id = pizzas.pizza_id) * 100,
                     2),
             "%") AS TOTAL_REVENUE
 FROM
     pizza_types
         JOIN
     pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
         JOIN
     order_details ON pizzas.pizza_id = order_details.pizza_id
 GROUP BY pizza_types.category;
           Filter Rows:
Result Grid
```

TOTAL REVENUE

26.91%

23.68%

25.46%

23.96%

Classic

Veggie

Supreme

Chicken



Determine the top 3 most ordered pizza types based on revenue for each pizza category.

```
select category , name, revenue , total_revenue from
(select category , name , revenue , rank() over(partition by category order by revenue desc) as total_revenue from
(select pizza_types.category , pizza_types.name , sum(order_details.quantity * pizzas.price) as revenue from pizza_type
join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
join order_details
on pizzas.pizza_id = order_details.pizza_id
group by pizza_types.category , pizza_types.name) as a) as b
where total_revenue <=3;</pre>
```

Re	esult Grid	Filter Rows:	Ехро	rt: Wrap Cell Content:
	category	name	revenue	total_revenue
٨	Chicken	The Thai Chicken Pizza	43434.25	1
	Chicken	The Barbecue Chicken Pizza	42768	2
	Chicken	The California Chicken Pizza	41409.5	3
	Classic	The Classic Deluxe Pizza	38180.5	1
	Classic	The Hawaiian Pizza	32273.25	2
	Classic	The Pepperoni Pizza	30161.75	3



