

PIZZA SALES SQL PROJECT



RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED.

SELECT

COUNT(order_id) as total_orders

FROM

pizza_hut.orders

Result Grid	
	total_orders
▶	21350

CALCULATE THE TOTAL REVENUE 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_types.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 Row
	name	price
▶	The Greek Pizza	35.95

IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED

SELECT

```
pizzas.size,  
COUNT(order_details.order_details_id) AS count_of_orders
```

FROM

```
order_details
```

JOIN

```
pizzas ON order_details.pizza_id = pizzas.pizza_id
```

GROUP BY pizzas.size

ORDER BY count_of_orders DESC

Result Grid		
	size	count_of_orders
▶	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

DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY.

SELECT

HOUR(order_time), COUNT(order_id)

FROM

orders AS order_count

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

	hour(order_time)	count(order_id)
	18	2399
	19	2009
	20	1642
	21	1198
	22	663
	23	28
	10	8
	9	1

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

SELECT

ROUND(AVG(avg_pizza_per_day), 0)

FROM

(SELECT

orders.order_date, SUM(order_details.quantity) AS avg_pizza_per_day

FROM

orders

JOIN order_details ON orders.order_id = order_details.order_id

GROUP BY orders.order_date) AS order_quantity

	Result Grid Filter Rows: <input type="text"/>
	ROUND(AVG(avg_pizza_per_day), 0)
▶	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

```
order_details
```

```
JOIN
```

```
pizzas ON order_details.pizza_id = pizzas.pizza_id
```

```
JOIN
```

```
pizza_types ON pizzas.pizza_type_id = pizza_types.pizza_type_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 pizzas join pizza_types  
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 . category
```

category	revenue
Classic	26.91
Veggie	23.68
Supreme	25.46
Chicken	23.96

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;
```



LARANA PIZZA

THANK YOU!

