

pizza_id pizza_type	size	price
bbq_ckn_:bbq_ckn	S	12.75
bbq_ckn_ibbq_ckn	M	16.75
bbq_ckn_lbbq_ckn	L	20.75
cali_ckn_s cali_ckn	S	12.75
cali_ckn_ncali_ckn	M	16.75
cali_ckn_l cali_ckn	L	20.75
ckn_alfrec ckn_alfrec	S	12.75
ckn_alfrec ckn_alfrec	M	16.75
ckn_alfrec ckn_alfrec	L	20.75

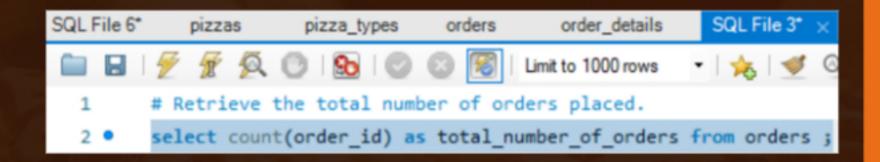
order_details_id	order_id	pizza_id	quantity
1	1	hawaiian_m	1
2	2	classic_dlx_m	1
3	2	five_cheese_I	1
4	2	ital_supr_l	1
5	2	mexicana_m	1
6	2	thai_ckn_l	1
7	3	ital_supr_m	1
8	3	prsc_argla_l	1
9	4	ital_supr_m	1
10	5	ital_supr_m	1
11	6	bbq_ckn_s	1
12	6	the greek s	1

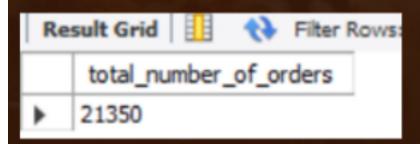
pizza_type_id	name	category
bbq_ckn	The Barbecue Chicken Pizza	Chicken
cali_ckn	The California Chicken Pizza	Chicken
ckn_alfredo	The Chicken Alfredo Pizza	Chicken
ckn_pesto	The Chicken Pesto Pizza	Chicken
southw_ckn	The Southwest Chicken Pizza	Chicken
thai_ckn	The Thai Chicken Pizza	Chicken
big_meat	The Big Meat Pizza	Classic
classic_dlx	The Classic Deluxe Pizza	Classic
hawaiian	The Hawaiian Pizza	Classic
ital_cpcllo	The Italian Capocollo Pizza	Classic
napolitana	The Napolitana Pizza	Classic

RAW DATA IN EXCEL FORMATE

order_id	date	time
1	01-01-2015	11:38:36
2	01-01-2015	11:57:40
3	01-01-2015	12:12:28
4	01-01-2015	12:16:31
5	01-01-2015	12:21:30
6	01-01-2015	12:29:36
7	01-01-2015	12:50:37
8	01-01-2015	12:51:37
9	01-01-2015	12:52:01
10	01-01-2015	13:00:15
11	01-01-2015	13:02:59
12	01-01-2015	13:04:41

Q-1.. Retrieve the total number of orders placed.





Q-2.. Calculate the total revenue generated from pizza sales.

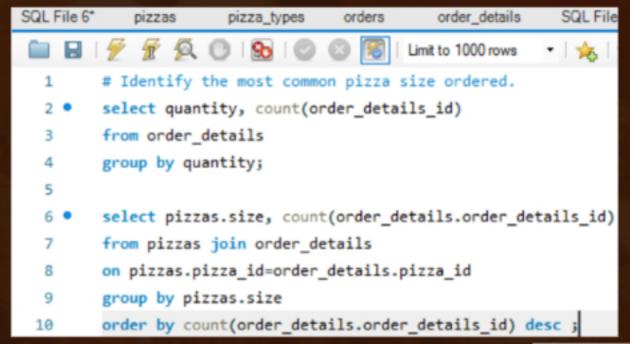


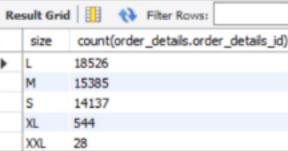
Q-3.. Identify the highest-priced pizza.

```
SQL File 6*
                                                  order_details
             pizzas
                         pizza_types
                                       orders
                                               Limit to 1000 rows
         # Identify the highest-priced pizza.
  2 •
         select pizza_types.name , pizzas.price
         from pizza types
  3
  4
         join pizzas
  5
         on pizza_types.pizza_type_id = pizzas.pizza_type_id
         order by pizzas.price desc
  6
         limit 1;
```



Q-4.. Identify the most common pizza size ordered.





Q-5.. List the top 5 most ordered pizza types along with their quantities.

```
# List the top 5 most ordered pizza types along with their quantities.
       # join 3 Table - pizzas,pizza_types,order_details
       select
       pizza_types.name, sum(order_details.quantity)
       from pizzas
       join pizza_types
       on pizzas.pizza_type_id=pizza_types.pizza_type_id
 8
       join order_details
       on order_details.pizza_id=pizzas.pizza_id
 9
       group by pizza_types.name
10
       order by sum(order_details.quantity) desc
11
       limit 5;
```

Re	sult Grid 🔢 🙌 Filter Row	/s: Exp
	name	sum(order_details.quantity)
•	The Classic Deluxe Pizza	2453
	The Barbecue Chicken Pizza	2432
	The Hawaiian Pizza	2422
	The Pepperoni Pizza	2418
	The Thai Chicken Pizza	2371

Q-6.. Join the necessary tables to find the total quantity of each pizza category ordered.



```
# Join the necessary tables to find the total quantity of each pizza category ordered.
select

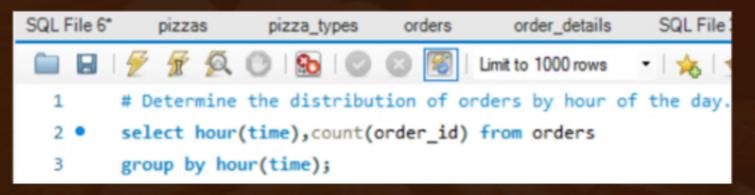
pizza_types.category,sum(order_details.quantity)
from pizzas

join pizza_types
on pizzas_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;
```

Re	Result Grid				
	category	sum(order_details.quantity)			
٠	Classic	14888			
	Veggie	11649			
	Supreme	11987			
	Chicken	11050			

Q-7.. Determine the distribution of orders by hour of the day.



Re	sult Grid 🛮 🔢	♦ Filter Rows:
	hour(time)	count(order_id)
•	11	1231
	12	2520
	13	2455
	14	1472
	15	1468
	16	1920
	17	2336
	18	2399

Q-8.. Join relevant tables to find the category-wise distribution of pizzas.

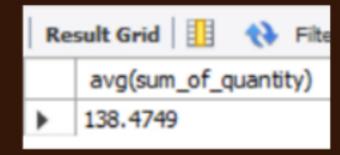


Re	sult Grid	Filter F
	category	count(name)
•	Chicken	6
	Classic	8
	Supreme	9
	Veggie	9

Q-9.. Group the orders by date and calculate the average number of pizzas ordered per day.



/pes	orders	order_details	SQL File 3*	SQL File 4*	SQL File 5*	SQL File 6*	SQL File 7*	S
		🙇 🕛 I 😘		Limit to 1000 rov	ws 🕶 🛵 🛚	🥩 Q 🕦	P	
1	# Group	the orders b	y date and ca	lculate the	average numb	er of pizzas	ordered per	day
2								
3	• select a	avg(sum_of_qu	uantity) from					
4		orders.date,	sum(order_de	tails.quanti	ity) as sum_c	of_quantity		
5	from ord	ders join ord	der_details					
6	on order	rs.order_id=c	order_details.	order_id				
7	group by	y orders.date	e) as ordered_	quantity;				



Q-10.. Determine the top 3 most ordered pizza types based on revenue.

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

**elect pizza_types.name, sum(order_details.quantity*pizzas.price) as revenue
from pizzas join order_details

on pizzas.pizza_id=order_details.pizza_id

join pizza_types
on pizza_types.pizza_type_id=pizzas.pizza_type_id

group by pizza_types.name
order by revenue desc

limit 3;

Re	Result Grid				
	name	revenue			
•	The Thai Chicken Pizza	43434.25			
	The Barbecue Chicken Pizza	42768			
	The California Chicken Pizza	41409.5			

Q-11.. Calculate the percentage contribution of each pizza type to total revenue.

```
# 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_sale
 4
 5
       from order_details join pizzas
 6
       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
 8
       join order_details
       on order_details.pizza_id=pizzas.pizza_id
10
       group by pizza_types.category;
```

Result Grid				
	category	revenue		
•	Classic	26.91		
	Veggie	23.68		
	Supreme	25.46		
	Chicken	23.96		

Q-12.. Analyze the cumulative revenue generated over time.

```
# Analyze the cumulative revenue generated over time.
      select date, sum(revenue) over(order by date) as cum_revenue
       from
      (select orders.date, sum(order_details.quantity*pizzas.price) as revenue
5
       from order_details join pizzas
       on order_details.pizza_id=pizzas.pizza_id
      join orders
      on orders.order_id=order_details.order_id
8
                                                               group by orders.date) as sales;
9
                                                                 date
                                                                          cum_revenue
                                                                 2015-01-01
                                                                         2713.85000000000004
                                                                 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

Q-13.. Determine the top 3 most ordered pizza types based on revenue for each pizza category.

