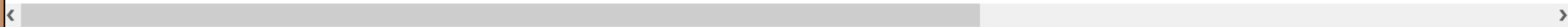


```
1  ## Basic:
2  -- 1. Retrieve the total number of orders placed.
3  •  select count(order_id) as Total_Order_Count from orders;
```

4



Result Grid   Filter Rows: Export:  Wrap Cell Content: 






	Total_Order_Count
▶	21350

```
1  -- 2. Calculate the total revenue generated from pizza sales.
2  • select round(sum(ODS.quantity * PZ.price)) as Total_Revenue
3  from order_details as ODS
4  join pizzas as PZ
5  on ODS.pizza_id = PZ.pizza_id;
```

Result Grid |  Filter Rows: | Export:  | Wrap Cell Content: 




Total_Revenue
817860

```
1  -- 3. Identify the highest-priced pizza.
2  select pizza_types.name as Name, pizzas.price as Price from pizza_types
3  join pizzas on pizza_types.pizza_type_id = pizzas.pizza_type_id
4  order by pizzas.price desc limit 1;
```

Result Grid   Filter Rows: Export:  Wrap Cell Content:  Fetch rows: 






Name	Price
The Greek Pizza	35.95

```
1  -- 4. Identify the most common pizza size ordered.
2  select sum(quantity) as Order_Count, size as Size from order_details
3  join pizzas on order_details.pizza_id = pizzas.pizza_id
4  group by size order by Order_count desc limit 1;
5  |
```

Result Grid  Filter Rows: Export:  Wrap Cell Content:  Fetch rows: 

	Order_Count	Size
▶	18956	L

```
1  -- 5. List the top 5 most ordered pizza types along with their quantities.
2  select name as Name, sum(quantity) as Order_Count
3  from order_details
4  join pizzas on order_details.pizza_id = pizzas.pizza_id
5  join pizza_types on pizzas.pizza_type_id = Pizza_types.pizza_type_id
6  group by name order by Order_Count desc limit 5;
7  |
```

Result Grid   Filter Rows: Export:  Wrap Cell Content:  Fetch rows: 

	Name	Order_Count
▶	The Classic Deluxe Pizza	2453
	The Barbecue Chicken Pizza	2432
	The Hawaiian Pizza	2422
	The Pepperoni Pizza	2418
	The Thai Chicken Pizza	2371

```
1  ## Intermediate:
2  -- 6. Join the necessary tables to find the total quantity of each pizza category ordered
3  • select category as Category, sum(quantity) as Quantity from order_details
4  join pizzas on order_details.pizza_id = pizzas.pizza_id
5  join pizza_types on pizzas.pizza_type_id = pizza_types.pizza_type_id
6  group by category order by Quantity desc;
7
```

Result Grid   Filter Rows: Export:  Wrap Cell Content: 


	Category	Quantity
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050

```
1  -- 7. Determine the distribution of orders by hour of the day.
2  • Select hour(time) as Hour, count(order_details.order_id) as Order_Count from order_details
3  join orders on order_details.order_id = orders.order_id
4  group by Hour order by Hour;
5
```

Result Grid   Filter Rows: Export:  Wrap Cell Content: 

	Hour	Order_Count
▶	9	4
	10	17
	11	2672
	12	6543
	13	6203
	14	3521
	15	3170
	16	4185
	17	5143
	18	5359
	19	4350
	20	3487

Result 19 x

 Read Only

```
1  -- 8. Join relevant tables to find the category-wise distribution of pizzas.
2  select category as Category, count(pizza_type_id) as Count from pizza_types
3  group by Category;
4
```

Result Grid   Filter Rows: Export:  Wrap Cell Content: 


	Category	Count
▶	Chicken	6
	Classic	8
	Supreme	9
	Veggie	9


```
1  -- 9. Group the orders by date and calculate the average number of pizzas ordered per day.
2  select date as Date, round(avg(order_id)) as Average_Orders
3  from orders
4  group by Date;
5  |
```






Result Grid   Filter Rows: | Export:  | Wrap Cell Content: 

	Date	Average_Orders
▶	2015-01-01	35
	2015-01-02	103
	2015-01-03	170
	2015-01-04	229
	2015-01-05	282
	2015-01-06	341
	2015-01-07	402
	2015-01-08	467
	2015-01-09	534
	2015-01-10	597
	2015-01-11	656
	2015-01-12	709

Result 22 x

 Read Only

```
1  -- 10. Determine the top 3 most ordered pizza types based on revenue.
2  select name as Name, round(sum(quantity * price)) as Revenue
3  from order_details
4  join pizzas on order_details.pizza_id = pizzas.pizza_id
5  join pizza_types on pizzas.pizza_type_id = pizza_types.pizza_type_id
6  group by Name
7  order by Revenue limit 3;
8
```

Result Grid   Filter Rows: | Export:  | Wrap Cell Content:  | Fetch rows: 

	Name	Revenue
▶	The Brie Carre Pizza	11588
	The Green Garden Pizza	13956
	The Spinach Supreme Pizza	15278

```

1  ## Advanced:
2  -- 11. Calculate the percentage contribution of each pizza type to total revenue.
3  • select pizza_types.name as Name,
4  round(sum(order_details.quantity * pizzas.price) /
5  (select round(sum(order_details.quantity * pizzas.price),2) as total_sales
6  from order_details
7  join pizzas
8  on pizzas.pizza_id = order_details.pizza_id) *100,2) as Revenue_Percentage
9  from pizza_types
10 join pizzas
11 on pizza_types.pizza_type_id = pizzas.pizza_type_id
12 join order_details
13 on order_details.pizza_id = pizzas.pizza_id
14 group by pizza_types.name order by Revenue_Percentage desc;
15

```

Result Grid |  Filter Rows: | Export:  | Wrap Cell Content: 

Name	Revenue_Percentage
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

Result 24 x




Result Grid

 Read Only

```


1  -- 12. Analyze the cumulative revenue generated over time.
2  •  select date as Date,
3     round(sum(revenue) over(order by date)) as Cumulative_Revenue
4     from
5     (select orders.date,
6        sum(order_details.quantity * pizzas.price) as revenue
7        from order_details
8        join pizzas
9        on order_details.pizza_id = pizzas.pizza_id
10       join orders
11       on orders.order_id = order_details.order_id
12       group by orders.date) as sales;

```

Result Grid   Filter Rows: | Export:  | Wrap Cell Content: 

	Date	Cumulative_Revenue
▶	2015-01-01	2714
	2015-01-02	5446
	2015-01-03	8108
	2015-01-04	9864
	2015-01-05	11930
	2015-01-06	14358
	2015-01-07	16561
	2015-01-08	19399
	2015-01-09	21526

Result 25 x

 Read Only

```


1  -- 13. Determine the top 3 most ordered pizza types based on revenue for each pizza category.
2  select name as Name, revenue as Revenue from
3  (select category, name, revenue,
4   rank() over (partition by category order by revenue desc) as rn
5   from
6   (select pizza_types.category, pizza_types.name,
7    round(sum((order_details.quantity) * pizzas.price)) as revenue
8    from pizza_types
9    join pizzas
10   on pizza_types.pizza_type_id = pizzas.pizza_type_id
11   join order_details
12   on order_details.pizza_id = pizzas.pizza_id
13   group by pizza_types.category, pizza_types.name) as tbl1) as tbl2
14  where rn <= 3;

```

Result Grid   Filter Rows: | Export:  | Wrap Cell Content: 

	Name	Revenue
▶	The Thai Chicken Pizza	43434
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41410
	The Classic Deluxe Pizza	38180
	The Hawaiian Pizza	32273
	The Pepperoni Pizza	30162
	The Spicy Italian Pizza	34831
	The Italian Supreme Pizza	33477
	The Sirilian Pizza	30940

Result 26 x

 Read Only