SQL File 15* | SQL File 16* | SQL File 17* | SQL File 18* | SQL File 19* | SQL File 20* | SQL File 21*

Limit to 1000 rows

```sql
-- Identify the most common pizza size ordered.
SELECT PIZZAS.SIZE, COUNT(ORDER_DETAILS.ORDER_DETAILS_ID) AS ORDER_COUNT
FROM PIZZAS JOIN ORDER_DETAILS
ON PIZZAS.PIZZA_ID = ORDER_DETAILS.PIZZA_ID
GROUP BY PIZZAS.SIZE ORDER BY ORDER_COUNT DESC;
```

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

SIZE	ORDER_COUNT
L	18526
M	15385
S	14137
XL	544
XXL	28

SQL File 15* | SQL File 16* | SQL File 17* | SQL File 18* | SQL File 19* | SQL File 20* | SQL File 21* | SQL F

Limit to 1000 rows

```sql
-- 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;
```

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

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

Result 6

SQL File 15* SQL File 16* SQL File 17* SQL File 18* SQL File 19* SQL File 20* SQL File 21* SQL F

Limit to 1000 rows

```sql
-- Join the necessary tables to find the total quantity of each pizza category ordered.
SELECT PIZZA_TYPES.CATEGORY,
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.CATEGORY ORDER BY QUANTITY DESC;
```

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

CATEGORY	QUANTITY
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050

Result 2

SQL File 15* SQL File 16* SQL File 17* SQL File 18* SQL File 19* SQL File 20* SQL File 21*

Limit to 1000 rows

```
1   -- Determine the distribution of orders by hour of the day.
2
3   SELECT HOUR(ORDER_TIME) AS HOUR, COUNT(ORDER_ID) AS ORDER_COUNT FROM ORDERS
4   GROUP BY HOUR(ORDER_TIME)
```

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

HOUR	ORDER_COUNT
18	2399
19	2009
20	1642
21	1198
22	663
23	28
10	8
9	1

Result 3

SQL File 15* SQL File 16* SQL File 17* SQL File 18* SQL File 19* SQL File 20* SQL F

Limit to 1000 rows

```sql
-- Join relevant tables to find the category-wise distribution of pizzas.
SELECT CATEGORY, COUNT(NAME) FROM PIZZA_TYPES
GROUP BY CATEGORY
```

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

CATEGORY	COUNT(NAME)
Chicken	6
Classic	8
Supreme	9
Veggie	9

SQL File 15* SQL File 16* SQL File 17* SQL File 18* SQL File 19* SQL File 20* SQL File 21*

Limit to 1000 rows

```sql
-- Group the orders by date and calculate the average number of pizzas ordered per da

SELECT ROUND(AVG(QUANTITY),0) AS AVG_PIZZA_ORDERED_PER_DAY
FROM
(SELECT ORDERS.ORDER_DATE, SUM(ORDER_DETAILS.QUANTITY) AS QUANTITY
FROM ORDERS JOIN ORDER_DETAILS
ON ORDERS.ORDER_ID = ORDER_DETAILS.ORDER_ID
GROUP BY ORDERS.ORDER_DATE) AS ORDER_QUANTITY;
```

SQL File 15* SQL File 16* SQL File 17* SQL File 18* SQL File 19* SQL File 20* SQL

Limit to 1000 rows

```sql
-- 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 PIZZAS.PIZZA_TYPE_ID = PIZZA_TYPES.PIZZA_TYPE_ID
JOIN ORDER_DETAILS
ON ORDER_DETAILS.PIZZA_ID = PIZZAS.PIZZA_ID
GROUP BY PIZZA_TYPES.NAME ORDER BY REVENUE DESC LIMIT 3;
```

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

NAME	REVENUE
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5

Result 2

SQL File 15* SQL File 16* SQL File 17* SQL File 18* SQL File 19* SQL File 20* SQL File 21*

Limit to 1000 rows

```sql
-- 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 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 ORDER BY REVENUE DESC;
```

SQL File 15* SQL File 16* SQL File 17* SQL File 18* SQL File 19* SQL File 20* SQL Fil

Limit to 1000 rows

```sql
-- Analyze the cumulative revenue generated over time.
SELECT ORDER_DATE,
SUM(REVENUE) OVER(ORDER BY ORDER_DATE) AS CUM_REVENUE
FROM
(SELECT ORDERS.ORDER_DATE,
SUM(ORDER_DETAILS.QUANTITY * PIZZAS.PRICE) AS REVENUE
FROM ORDER_DETAILS JOIN PIZZAS
ON ORDER_DETAILS.PIZZA_ID = PIZZAS.PIZZA_ID
JOIN ORDERS
ON ORDERS.ORDER_ID = ORDER_DETAILS.ORDER_ID
GROUP BY ORDERS.ORDER_DATE) AS SALES;

```

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

ORDER_DATE	CUM_REVENUE
2015-01-01	2713.8500000000004
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

Result 1

SQL File 15* SQL File 16* SQL File 17* SQL File 18* SQL File 19* SQL File 20* SQL File 21*

Limit to 1000 rows

```sql
-- 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;
```

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

NAME	REVENUE
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5
The Classic Deluxe Pizza	38180.5
The Hawaiian Pizza	32273.25
The Pepperoni Pizza	30161.75
The Spicy Italian Pizza	34831.25
The Italian Supreme Pizza	33476.75

Result 3