

PIZZA SALES SQL QUERIES

Q1. Retrieve the total number of orders placed.

```
1 • Create database pizzahut;
2
3 -- Q1: Retrieve the total number of orders placed.
4
5 • SELECT
6     COUNT(order_id)
7 FROM
8     orders;
```

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

	count(order_id)
▶	21350

Q2: Calculate the total revenue generated from pizza sales.

```
1 -- Q2: Calculate the total revenue generated from pizza sales.
2
3 • SELECT
4     ROUND(SUM(order_details.quantity * pizzas.price),
5           2) AS total_revenue
6 FROM
7     order_details
8     JOIN
9     pizzas ON order_details.pizza_id = pizzas.pizza_id;
```

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

	total_revenue
▶	817860.05

Q3: Identify the highest-priced pizza

```
1  -- Q3: Identify the highest-priced pizza.
2
3  •  SELECT
4      pizza_types.name, pizzas.price
5  FROM
6      pizza_types
7      LEFT JOIN
8      pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
9  ORDER BY pizzas.price DESC
10 LIMIT 1;
```

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

	name	price
▶	The Greek Pizza	35.95

Q4: Identify the most common pizza size ordered.

```
1  ## Q4: Identify the most common pizza size ordered.
2
3  •  SELECT
4      pizzas.size,
5      COUNT(order_details.order_details_id) AS order_count
6  FROM
7      pizzas
8      LEFT JOIN
9      order_details ON pizzas.pizza_id = order_details.pizza_id
10 GROUP BY pizzas.size
11 ORDER BY order_count DESC
12 LIMIT 1;
```

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

	size	order_count
▶	L	18526

Q5: List the top 5 most ordered pizza types along with their quantities.

```
1
2  -- Q5: List the top 5 most ordered pizza types along with their quantities.
3
4 • SELECT
5     pizza_types.name, SUM(order_details.quantity) AS quantity
6 FROM
7     pizza_types
8     LEFT JOIN
9     pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
10    LEFT JOIN
11    order_details ON pizzas.pizza_id = order_details.pizza_id
12 GROUP BY pizza_types.name
13 ORDER BY quantity DESC
14 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

Q6: Join the necessary tables to find the total quantity of each pizza category ordered.

```
1  -- Q6: Join the necessary tables to find the total quantity of each pizza category ordered.
2
3 • SELECT
4     pizza_types.category,
5     SUM(order_details.quantity) AS quantity
6 FROM
7     pizza_types
8     LEFT JOIN
9     pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
10    LEFT JOIN
11    order_details ON pizzas.pizza_id = order_details.pizza_id
12 GROUP BY pizza_types.category
13 ORDER BY quantity DESC;
```

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

	category	quantity
▶	Classic	14888
	Supreme	11987
	Veggie	11649
	Chicken	11050

Q7: Determine the distribution of orders by hour of the day.

```
1  -- Q7: Determine the distribution of orders by hour of the day.
2
3
4  •  SELECT
5      HOUR(order_time) AS order_hour, COUNT(order_id)
6  FROM
7      orders
8  GROUP BY order_hour;
```

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

	order_hour	COUNT(order_id)
▶	11	1231
	12	2520
	13	2455
	14	1472
	15	1468
	16	1920
	17	2336
	18	2399
	19	2009
	20	1642
	21	1198
	22	663
	23	28
	10	8
	9	1

Q8: Join relevant tables to find the category-wise distribution of pizzas(count pizzas).

```
1  -- Q8: Join relevant tables to find the category-wise
2  --      distribution of pizzas(count pizzas).
3
4  •  SELECT
5      category, COUNT(name)
6  FROM
7      pizza_types
8  GROUP BY category;
```

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

	category	COUNT(name)
▶	Chicken	6
	Classic	8
	Supreme	9
	Veggie	9

Q9: Group the orders by date and calculate the average number of pizzas ordered per day.

```
1  -- Q9: Group the orders by date and calculate the average
2  --      number of pizzas ordered per day.
3
4  •  SELECT
5      ROUND(AVG(quantity),0)
6  FROM
7      (SELECT
8          orders.order_date, SUM(order_details.quantity) AS quantity
9      FROM
10         orders
11      LEFT JOIN order_details ON orders.order_id = order_details.order_id
12      GROUP BY orders.order_date) AS avg_order;
```

Result Grid

	ROUND(AVG(quantity),0)
▶	138

Q10: Determine the top 3 most ordered pizza types based on revenue.





```
1  -- Q10: Determine the top 3 most ordered pizza types based on revenue.
2
3  •  SELECT
4      pizza_types.name,
5      SUM(order_details.quantity * pizzas.price) AS revenue
6  FROM
7      pizza_types
8      LEFT JOIN
9      pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
10     LEFT JOIN
11     order_details ON pizzas.pizza_id = order_details.pizza_id
12  GROUP BY pizza_types.name
13  ORDER BY revenue DESC
14  LIMIT 3;
```

Result Grid

	name	revenue
▶	The Thai Chicken Pizza	43434.25
	The Barbecue Chicken Pizza	42768
	The California Chicken Pizza	41409.5

Q11: Calculate the percentage contribution of each pizza type(category) to total revenue.

```
1  -- Q11: Calculate the percentage contribution of each pizza type(category) to total revenue.
2
3  •  SELECT
4      pizza_types.category,
5      ROUND(ROUND(SUM(order_details.quantity * pizzas.price),
6                  2) / (SELECT
7                      ROUND(SUM(order_details.quantity * pizzas.price),
8                          2)
9                      FROM
10                         pizzas
11                     LEFT JOIN
12                         order_details ON pizzas.pizza_id = order_details.pizza_id) * 100,
13          2) AS revenue
14  FROM
15      pizza_types
16      LEFT JOIN
17          pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
18      LEFT JOIN
19          order_details ON pizzas.pizza_id = order_details.pizza_id
20  GROUP BY pizza_types.category
21  ORDER BY revenue DESC;
```

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

	category	revenue
▶	Classic	26.91
	Supreme	25.46
	Chicken	23.96
	Veggie	23.68

Q12: Analyse the cumulative revenue generated over time.

```
1  -- Q12: Analyse the cumulative revenue generated over time.
2  • SELECT order_date,
3     Round(sum(revenue) OVER(ORDER BY order_date),2) AS cumulative_revenue
4  FROM
5     (SELECT
6         orders.order_date,
7         ROUND(SUM(order_details.quantity * pizzas.price),
8              2) AS revenue
9     FROM
10        pizzas
11        LEFT JOIN
12        order_details ON pizzas.pizza_id = order_details.pizza_id
13        LEFT JOIN
14        orders ON orders.order_id = order_details.order_id
15     GROUP BY orders.order_date) As revenue_by_date ;
```


Result Grid		Filter Rows:	Export:	Wrap Cell Content:
order_date	cumulative_revenue			
NULL	NULL			
2015-01-01	2713.85			
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			
2015-01-09	21526.4			
2015-01-10	23990.35			
2015-01-11	25862.65			

Q13: Determine the top 3 most ordered pizza types based on revenue for each pizza category.

```

1  -- Q13: Determine the top 3 most ordered pizza types based on revenue for each pizza category.
2  • SELECT category, name, revenue
3  FROM
4  (SELECT category,name,revenue,
5   RANK() OVER(PARTITION BY category ORDER BY revenue DESC) AS rn
6   FROM
7   (SELECT
8     pizza_types.category,pizza_types.name,
9     ROUND(SUM(order_details.quantity * pizzas.price),2) AS revenue
10    FROM
11     pizza_types
12     LEFT JOIN
13     pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
14     LEFT JOIN
15     order_details ON pizzas.pizza_id = order_details.pizza_id
16   GROUP BY pizza_types.category,pizza_types.name) as sq) as sq
17  WHERE rn<=3;

```

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

	category	name	revenue
▶	Chicken	The Thai Chicken Pizza	43434.25
	Chicken	The Barbecue Chicken Pizza	42768
	Chicken	The California Chicken Pizza	41409.5
	Classic	The Classic Deluxe Pizza	38180.5
	Classic	The Hawaiian Pizza	32273.25
	Classic	The Pepperoni Pizza	30161.75
	Supreme	The Spicy Italian Pizza	34831.25
	Supreme	The Italian Supreme Pizza	33476.75
	Supreme	The Sicilian Pizza	30940.5
	Veggie	The Four Cheese Pizza	32265.7
	Veggie	The Mexicana Pizza	26780.75