PIZZA SALES SQL QUERIES

Q1. Retrieve the total number of orders placed.

Q2: Calculate the total revenue generated from pizza sales.

```
-- Q2: Calculate the total revenue generated from pizza sales.
  2
        SELECT
  3 •
            ROUND(SUM(order_details.quantity * pizzas.price),
                    2) AS total_revenue
  6
        FROM
  7
            order_details
                JOIN
            pizzas ON order_details.pizza_id = pizzas.pizza_id;
                                      Export: Wrap Cell Content: IA
total_revenue
817860.05
```

Q3: Identify the highest-priced pizza

```
-- Q3: Identify the highest-priced pizza.
  2
  3 •
         SELECT
  4
             pizza_types.name, pizzas.price
  5
         FROM
  6
             pizza_types
                 LEFT JOIN
  7
             pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
  8
         ORDER BY pizzas.price DESC
  9
         LIMIT 1;
 10
                                         Export: Wrap Cell Content: 🖽 Fetch rows:
Result Grid Filter Rows:
   name
                 price
The Greek Pizza
                35.95
```

Q4: Identify the most common pizza size ordered.

```
## Q4: Identify the most common pizza size ordered.
  1
  2
  3 •
        SELECT
            pizzas.size,
  5
            COUNT(order_details.order_details_id) AS order_count
        FROM
  6
  7
            pizzas
  8
                LEFT JOIN
            order_details ON pizzas.pizza_id = order_details.pizza_id
  9
        GROUP BY pizzas.size
 10
 11
        ORDER BY order_count DESC
 12
        LIMIT 1;
                                      Export: Wrap Cell Content: 🚻 Fetch rows:
order_count
        18526
▶ L
```

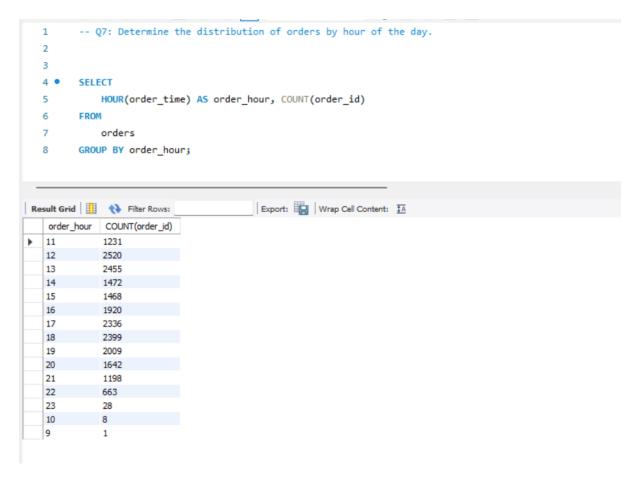
Q5: List the top 5 most ordered pizza types along with their quantities.

```
-- Q5: List the top 5 most ordered pizza types along with their quantities.
  2
  3
        SELECT
  4 •
  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
            order_details ON pizzas.pizza_id = order_details.pizza_id
 11
        GROUP BY pizza types.name
 12
 13
        ORDER BY quantity DESC
 14
        LIMIT 5;
                                       Export: Wrap Cell Content: A Fetch rows:
quantity
 The Classic Deluxe Pizza
                       2453
  The Barbecue Chicken Pizza 2432
  The Hawaiian Pizza
                       2422
                     2418
  The Pepperoni Pizza
  The Thai Chicken Pizza
                       2371
```

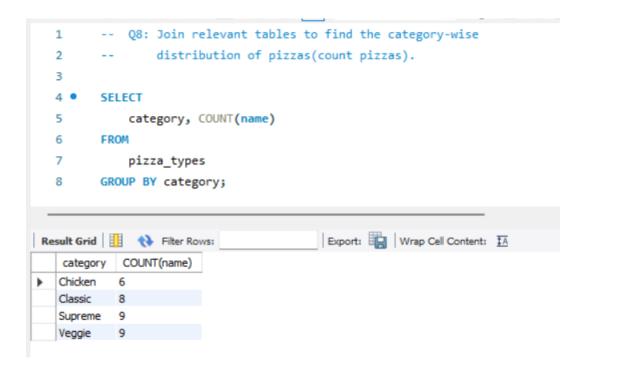
Q6: Join the necessary tables to find the total quantity of each pizza category ordered.

```
-- Q6: Join the necessary tables to find the total quantity of each pizza category ordered.
  1
  2
  3 •
       SELECT
  4
            pizza_types.category,
  5
           SUM(order_details.quantity) AS quantity
        FROM
  6
            pizza_types
               LEFT JOIN
  8
  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
        GROUP BY pizza_types.category
 12
        ORDER BY quantity DESC;
 13
Export: Wrap Cell Content: IA
   category quantity
Classic
           14888
  Supreme 11987
           11649
  Veggie
  Chicken 11050
```

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



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



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

```
-- Q9: Group the orders by date and calculate the average
  2
               number of pizzas ordered per day.
  3
  4 .
        SELECT
            ROUND(AVG(quantity),0)
  5
        FROM
            (SELECT
  7
                orders.order_date, SUM(order_details.quantity) AS quantity
  9
            FROM
                orders
 10
            LEFT JOIN order_details ON orders.order_id = order_details.order_id
 11
            GROUP BY orders.order_date) AS avg_order;
 12
                                      Export: Wrap Cell Content: TA
ROUND(AVG(quantity),0)
▶ 138
```

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

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

```
-- Q11: Calculate the percentage contribution of each pizza type(category) to total revenue.
  2
       SELECT
  3 •
  4
            pizza_types.category,
  5
            ROUND(ROUND(SUM(order_details.quantity * pizzas.price),
  6
                           2) / (SELECT
  7
                            ROUND(SUM(order_details.quantity * pizzas.price),
                                       2)
  8
  9
                        FROM
 10
                           pizzas
                                LEFT JOIN
 11
                           order_details ON pizzas.pizza_id = order_details.pizza_id) * 100,
 12
 13
                    2) AS revenue
 14
        FROM
 15
            pizza_types
                LEFT JOIN
 16
 17
            pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
 18
            order_details ON pizzas.pizza_id = order_details.pizza_id
 19
        GROUP BY pizza_types.category
 20
        ORDER BY revenue DESC;
Export: Wrap Cell Content: IA
   category revenue
  Classic
           26.91
  Supreme 25.46
  Chicken
          23.96
  Veggie 23.68
```

Q12: Analyse the cumulative revenue generated over time.

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

```
-- Q13: Determine the top 3 most ordered pizza types based on revenue for each pizza category.
  2 • SELECT category, name, revenue
  3
     (SELECT category, name, revenue,
        RANK() OVER(PARTITION BY category ORDER BY revenue DESC) AS rn
  5
  6
  7
     (SELECT
  8
            pizza_types.category,pizza_types.name,
  9
            ROUND(SUM(order_details.quantity * pizzas.price),2) AS revenue
        FROM
 10
 11
            pizza_types
 12
                LEFT JOIN
            pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
 13
 14
             order_details ON pizzas.pizza_id = order_details.pizza_id
 15
      GROUP BY pizza_types.category,pizza_types.name) as sq) as sq
 16
 17
        WHERE rn<=3;
Export: Wrap Cell Content: IA
   category name
                                revenue
                                 43434.25
  Chicken
           The Thai Chicken Pizza
  Chicken The Barbecue Chicken Pizza 42768
           The California Chicken Pizza 41409.5
  Chicken
  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
```