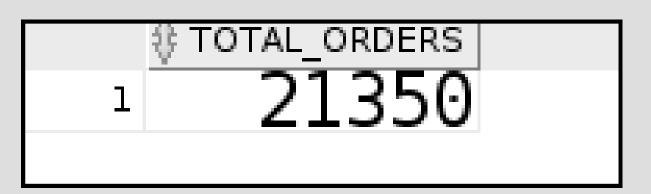
PROJECT On Pizzas Sales

TABLES

- 1 order_details
- 2 orders
- 3 pizza_types
- 4 pizzas

Retrieve the total number of orders placed

SELECT
COUNT(order_id) AS total_orders
FROM orders;



Calculate the total revenue generated from pizza sales

```
SELECT
SUM(a.quantity * b.price) AS total_sales
FROM
order_details a
JOIN pizzas b ON b.pizza_id = a.pizza_id;
```

Identify the highest-priced pizza

```
select
a.name,
b.price
FROM
pizza_types a
JOIN pizzas b ON a.pizza_type_id = b.pizza_type_id
ORDER BY
b.price DESC
FETCH FIRST 1 ROW ONLY;
```

De Price

1 The Greek Pizza 35.95

Identify the most common pizza size ordered

```
SELECT
 a.pizza_size,
  COUNT(b.order_details_id) AS order_count
FROM
  pizzas
 JOIN order_details b ON a.pizza_id = b.pizza_id
GROUP BY
 a.pizza_size
ORDER BY
 order_count DESC
FETCH FIRST 1 ROW ONLY;
```

	∯ PIZZA_SIZE	⊕ ORDER_COUNT
1		18526

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

```
a.name,
SUM(c.quantity) AS quantity
FROM
pizza_types a
JOIN pizzas b ON a.pizza_type_id = b.pizza_type_id
JOIN order_details c ON c.pizza_id = b.pizza_id
GROUP BY
```

a.name
ORDER BY
quantity DESC
FETCH FIRST 5 ROWS ONLY;

NAME	⊕ QUANTITY
¹ The Classic Deluxe Pizza	2453
² The Barbecue Chicken Pizza	2432
₃The Hawaiian Pizza	2422
⁴The Pepperoni Pizza	2418
⁵The Thai Chicken Pizza	2371

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

```
SELECT
  a.category,
  SUM(c.quantity) AS quantity
FROM
  pizza_types
  JOIN pizzas
                    b ON a.pizza_type_id = b.pizza_type_id
  JOIN order_details c ON c.pizza_id = b.pizza_id
GROUP BY
  a.category
                                 ⊕ CATEGORY

⊕ QUANTITY

ORDER BY
                                  Classic 14888
  quantity DESC;
                                <sup>2</sup> Supreme 119
                                ³Veggie 11649
⁴Chicken 11050
```



Determine the distribution of orders by hour of the day

```
SELECT
 substr(order_time, 1, 2) AS hour,
 COUNT(order_id) AS order_count
FROM
  orders
GROUP BY
 substr(order_time, 1, 2)
ORDER BY
 order_count DESC;
```

-	∯ HOUR	♦ ORDER_COUNT
1	12	2520
2	13	2455
3	18	2399
4	17	2399 2336 2009
5	19	2009
6	16	1920
7	20	1642
8	14	1472
9	15	1468
10	11	1231
11	21	1198
12	22	663
13	23	28
14	10	-8
15	09	1

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

SELECT category, **COUNT(name)** count **FROM** pizza_types **GROUP BY** category **ORDER BY** count DESC;





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

```
SELECT
 round(AVG(quantity),0) avg_quantity
FROM
                                                AVG_QUANTITY
   SELECT
     a.order_date,
     SUM(b.quantity) quantity
   FROM
     orders
     JOIN order_details b ON a.order_id = b.order_id
   GROUP BY
     a.order_date
```

Determine the top 3 most ordered pizza types based on revenue

```
SELECT
  a.name,
  round(SUM(c.quantity * b.price), 0) revenue
FROM
  pizza_types a
 JOIN pizzas b ON b.pizza_type_id = a.pizza_type_id
 JOIN order_details c ON c.pizza_id = b.pizza_id
GROUP BY
  a.name
ORDER BY
  revenue DESC
FETCH FIRST 3 ROWS ONLY;
```

NAME	REVENUE
¹The Thai Chicken Pizza	43434
² The Barbecue Chicken Pizza	42768
I ₃The California Chicken Pizza	a 41410

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

⊕ CATEGORY

      JOIN pizzas ON pizzas.pizza_id = order_details.pizza_id
                                                                    ¹Classic 26.91
                                                                    <sup>2</sup>Supreme 25.46

<sup>3</sup>Chicken 23.96
  ) * 100,2) AS revenue
FROM
                                                                    4 Vegaie 23.68
  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;
```

Analyze the cumulative revenue generated over time

```
SELECT
                                                       ⊕ CUM_REVENUE |⊕ ROUND(REVENUE,0)
                                            1 01 - 01 - 15
2 02 - 01 - 15
  order_date,
  round(SUM(revenue) OVER(
  ORDER BY
    order_date
  ), 0) AS cum_revenue,
  round(revenue, 0)
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_details_id
    GROUP BY
      orders.order_date
```

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

The Thai Chicken Pizza

⊕ NAME

₩ REVENUE

43434.

26066.5

```
(SELECT category, name, revenue,
                                         The Barbecue Chicken Pizza
      RANK() OVER(
                                         The California Chicken Pizza
                                         The Classic Deluxe Pizza
       PARTITION BY category
                                             Hawaiian Pizza
       ORDER BY
                                         The Pepperoni Pizza
                                         The Spicy Italian Pizza
         revenue DESC)
                                             Italian Supreme Pizza
                                        The Sicilian Pizza
as rn FROM (SELECT
                                       The Four Cheese Pizza
                                         The Mexicana Pizza
         pizza_types.category,
                                       12 The Five Cheese Pizza
          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)))
WHERE
 rn <= 3;
```

SELECT name, revenue FROM

THANK YOU