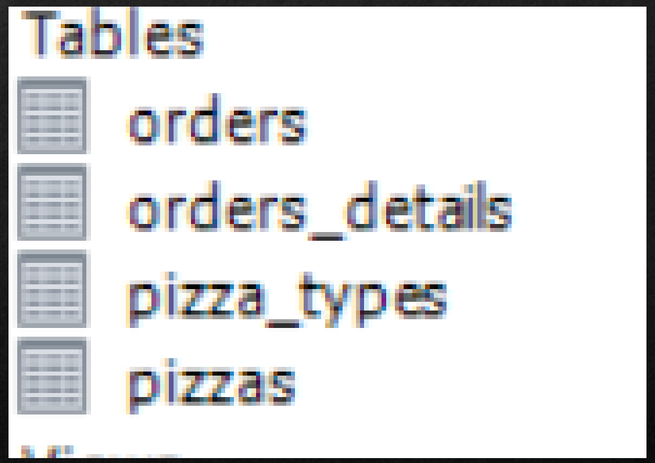
SQL PROJECT ON PIZZA

HELLO

MY NAME IS DIKSHIKA AND IN THIS PROJECT I HAVE UTILISED SOME SQL QUERYIES THAT ARE RELATED TO PIZZA SALES.

HERE ARE SOME QUESTIONS WHICH I HAVE COVERED FROM BASIC TO ADVANCE.
BASED ON BELOW TABLES.



RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED.

```
Select count(Order_id)as total_orders from orders;
```

Result Grid

	total_orders
▶	21350

CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES.

```
SELECT
    ROUND(SUM(orders_details.Quantity * pizzas.price),
            2) AS total_sales
FROM
    orders_details
        JOIN
    Pizzas ON pizzas.pizza_id = orders_details.pizza_id;
```

Result Grid

	total_sales
▶	817860.05

IDENTIFY THE HIGHEST-PRICED PIZZA.

```sql
SELECT
    pizza_types.name, pizzas.price
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
ORDER BY pizzas.price DESC
LIMIT 1;
```

Result Grid | Filter Rc

	name	price
▶	The Greek Pizza	35.95

IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED.PIZZAS

```sql
SELECT
    pizzas.size,
    COUNT(orders_details.Order_detail_id) AS Order_count
FROM
    pizzas
        JOIN
    orders_details ON pizzas.pizza_id = orders_details.pizza_id
GROUP BY pizzas.size
ORDER BY Order_count DESC;
```

Result Grid

size	Order_count
L	18526
M	15385
S	14137
XL	544
XXL	28

LIST THE TOP 5 MOST ORDERED PIZZA TYPES ALONG WITH THEIR QUANTITIES.

```
SELECT
    pizza_types.name, SUM(orders_details.quantity) AS Quantity
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN
    orders_details ON orders_details.pizza_id = pizzas.pizza_id
GROUP BY pizza_types.name
ORDER BY quantity DESC
LIMIT 5;
```

Result Grid | Filter 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

JOIN THE NECESSARY TABLES TO FIND THE TOTAL QUANTITY OF EACH PIZZA CATEGORY ORDERED.

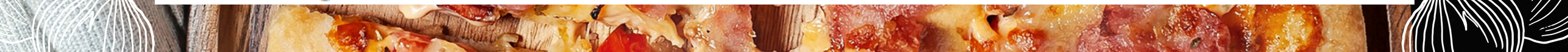
```sql
SELECT
    pizza_types.category,
    SUM(orders_details.quantity) AS quantity
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN
    orders_datails ON orders_details.Pizza_id = pizzas.pizza_id
GROUP BY pizza_types.category
ORDER BY Quantity DESC;
```

Result Grid

category	quantity
Clas Classic	4888
Supreme	11987
Veggie	11649
Chicken	11050

DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE;

```sql
SELECT
    pizza_types.name,
    SUM(orders_details.Quantity * pizzas.price) AS Revenue
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN
    orders_details ON orders_details.Pizza_id = pizzas.pizza_id
GROUP BY pizza_types.name
ORDER BY Revenue DESC
LIMIT 3;
```



CALCULATE THE PERCENTAGE CONTRIBUTION OF EACH PIZZA TYPE TO TOTAL REVENUE.

```sql
SELECT
    pizza_types.category,
    ROUND(SUM(orders_details.Quantity * pizzas.price) / (SELECT
                ROUND(SUM(orders_details.Quantity * pizzas.price),
                        2) AS total_sales
            FROM
                orders_details
                    JOIN
                Pizzas ON pizzas.pizza_id = orders_details.pizza_id) * 100,
        2) AS revenue
FROM
    pizza_types
        JOIN
    pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
        JOIN
    orders_details ON orders_details.Pizza_id = pizzas.pizza_id
GROUP BY pizza_types.category
ORDER BY Revenue DESC;
```

DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE FOR EAC PIZZA CATEGORY.

```sql
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((orders_details.quantity)*Pizzas.price) as revenue
from pizza_types
join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
join orders_details
on orders_details.Pizza_id = pizzas.pizza_id
group by pizza_types.category, pizza_types.name) as a) as b
where rn<=3;
```

THANK YOU!