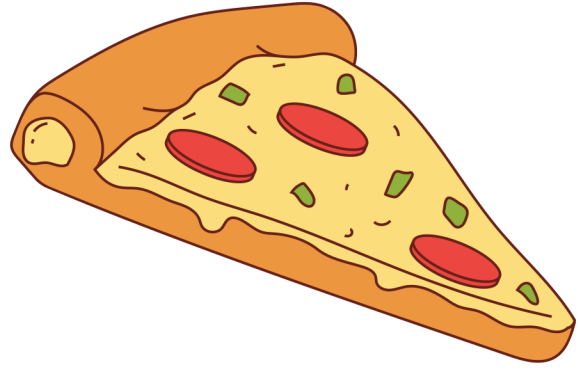


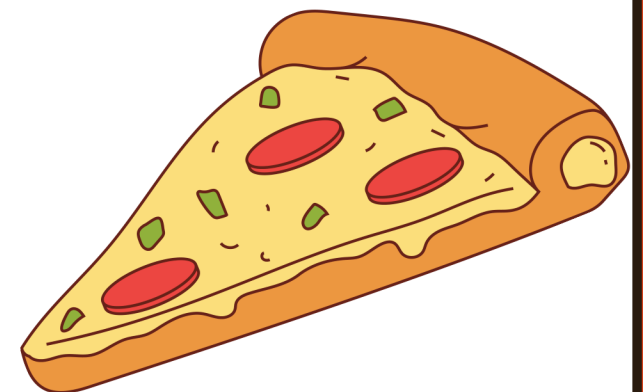
SQL PROJECT

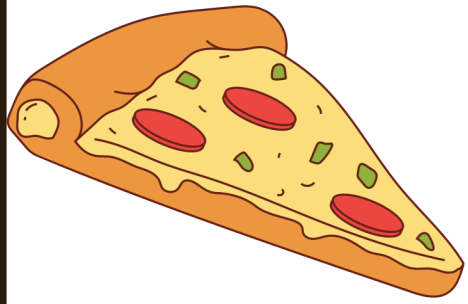
Pizza Sales





```
-- Retrieve the total number of orders placed.  
select * from orders;  
select count(order_id) as Total_Orders from order  
-- total order is 21350
```





```
-- Calculate the total revenue generated from pizza sales.
```

```
SELECT
```

```
    ROUND(SUM(order_deatils.quantity * pizzas.price),  
          2)
```

```
FROM
```

```
    order_deatils
```

```
    JOIN
```

```
pizzas ON pizzas.pizza_id = order_deatils.pizza_id;
```

```
-- total revenue generated is 817860.5
```

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

```
select pizza_types.name, sum(order_deatils.quantity)
from pizza_types join pizzas
on pizza_types.pizza_type_id = pizzas.pizza_type_id
join order_deatils
on order_deatils.pizza_id = pizzas.pizza_id
group by pizza_types.name
order by sum(order_deatils.quantity) desc limit 5;
```

name	sum(order_deatils.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
```

```
select pizza_types.category, sum(order_deatils.quantity)  
from pizza_types join pizzas  
on pizza_types.pizza_type_id = pizzas.pizza_type_id  
join order_deatils  
on order_deatils.pizza_id = pizzas.pizza_id  
group by pizza_types.category
```

category	sum(order_deatils.quantity)
Classic	14888
Veggie	11649
Supreme	11987
Chicken	11050

```
-- Determine the distribution of orders by hour of the day.
```

```
select hour(order_time) , count(order_id)
from orders
group by hour(order_time)
order by hour(order_time);
```

hour(order_time)	count(order_id)
9	1
10	8
11	1231
12	2520
13	2455
14	1472
15	1468

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

```
select avg(quantity) from  
(select orders.order_date , sum(order_deatils.quantity) as quantity  
from orders join order_deatils  
on orders.order_id = order_deatils.order_id  
group by orders.order_date) as order_quantity ;
```

avg(quantity)
138.4749



```
-- Determine the top 3 most ordered pizza types based on revenue.
```

```
select  pizza_types.category,  
        round(sum((order_deatils.quantity * pizzas.price) ),0) as revinue  
from    order_deatils join pizzas  
on      order_deatils.pizza_id = pizzas.pizza_id  
join    pizza_types  
on      pizza_types.pizza_type_id = pizzas.pizza_type_id  
group by pizza_types.category  
order by revinue desc;
```

category	revinue
Classic	220053
Supreme	208197
Chicken	195920
Veggie	193690


```

select  pizza_types.category,
round(sum((order_deatils.quantity * pizzas.price) ),0) / (
SELECT
    ROUND(SUM(order_deatils.quantity * pizzas.price),
          2)
FROM
    order_deatils
    JOIN
    pizzas ON pizzas.pizza_id = order_deatils.pizza_id
) * 100 as revinue
from order_deatils join pizzas
on order_deatils.pizza_id = pizzas.pizza_id
join pizza_types
on pizza_types.pizza_type_id = pizzas.pizza_type_id
group by pizza_types.category
order by revinue desc;

```

category	revinue
Classic	26.905948028638882
Supreme	25.45631126009884
Chicken	23.955198692001154
Veggie	23.68253590574573

```
-- Analyze the cumulative revenue generated over time.
```

```
select order_date,  
sum(revenue) over(order by order_date) as cum_rvenue  
from
```

```
(select orders.order_date,  
sum(order_deatils.quantity * pizzas.price) as revenue  
from order_deatils join pizzas  
on order_deatils.pizza_id = pizzas.pizza_id  
join orders  
on orders.order_id = order_deatils.order_id  
group by orders.order_date) as sales;
```

order_date	cum_rvenue
2015-01-01	2713.85000000000004
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

THANK YOU

