

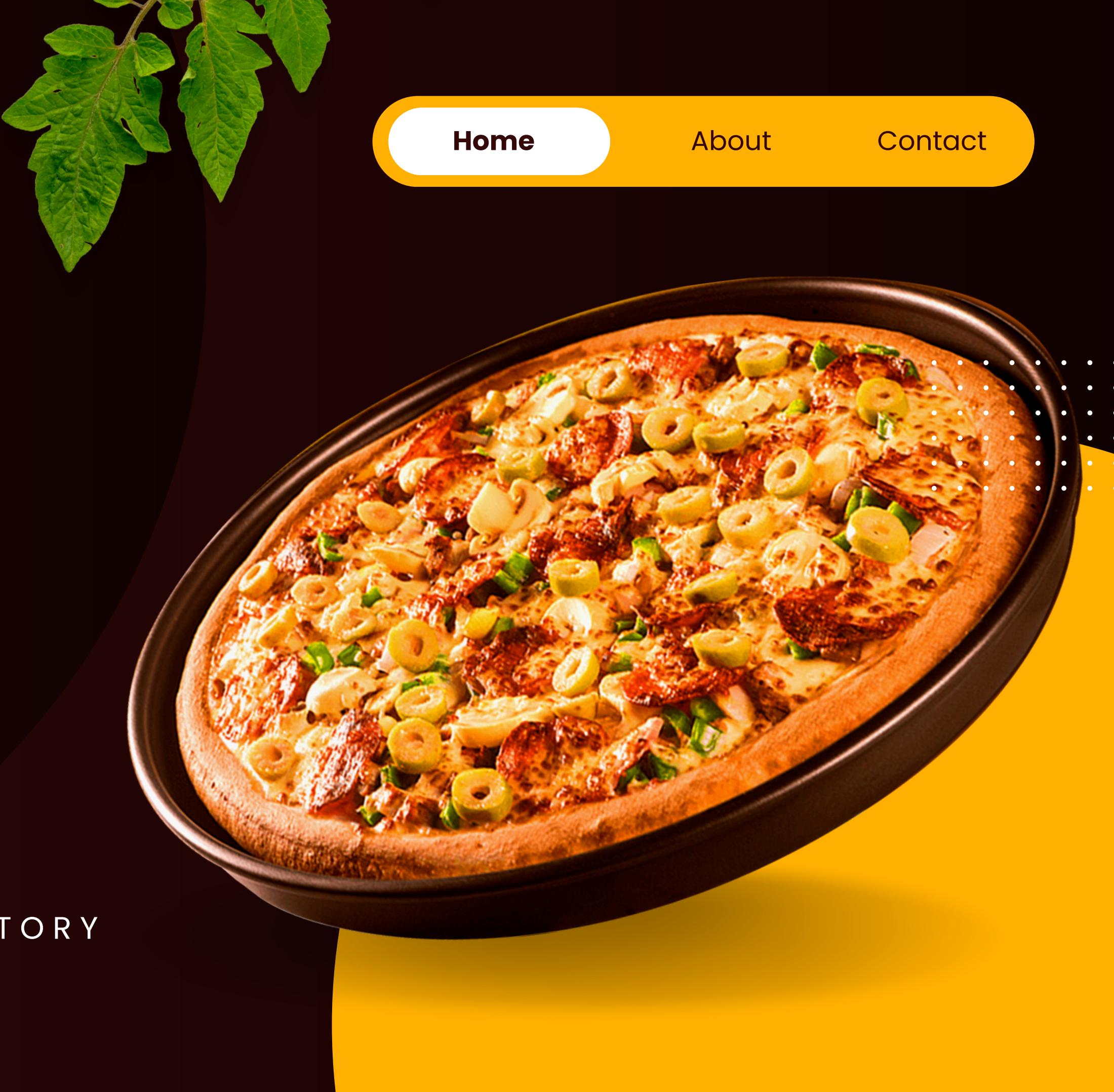


SQL

Pizza Report

PIZZA SQL

● WHERE EVERY SLICE TELLS A STORY



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PROJECT INTRO....

Shodwe Pizza Resto is a data-driven pizza sales analysis project designed to evaluate business performance using SQL.

This project identifies top-selling pizzas, revenue trends, and customer ordering patterns to help improve menu decisions and overall business efficiency.

It showcases the practical application of data analytics in the restaurant industry.





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Q1 RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED -- SEL

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```
SELECT  
    COUNT(order_id) AS total_order_placed  
FROM  
    orders;
```

	total_order_placed
▶	21350

Q2 CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES.

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

	total_sales
▶	817860.05



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Q3 IDENTIFY THE HIGHEST-PRICED PIZZA.

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```
select * from pizzas;
```

```
SELECT  
    pizza_type_id, price  
FROM  
    pizzas  
ORDER BY price DESC  
LIMIT 1;
```

pizza_type_id	price
the_greek	35.95



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Q4 IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED.

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```
select * from pizzas;

SELECT
    COUNT(order_details_id), size
FROM
    pizzas
    JOIN
        order_details ON pizzas.pizza_id = order_details.pizza_id
GROUP BY size
ORDER BY COUNT(*) DESC
LIMIT 1;
```

COUNT(order_details_id)	size
18526	L



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Q5 LIST THE TOP 5 MOST ORDERED PIZZA TYPES ALONG WITH THEIR QUANTITIES.

[Contact](#)**SELECT** **name, SUM(quantity)****FROM** **pizza_types****JOIN** **pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id****JOIN** **order_details ON pizzas.pizza_id = order_details.pizza_id****GROUP BY name****ORDER BY SUM(quantity) DESC****LIMIT 5;**

	name	SUM(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.

```
SELECT
    category, SUM(quantity)
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 category
ORDER BY SUM(quantity) DESC;
```

category	SUM(quantity)
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050



Q7 DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY.

[Home](#)[About](#)[Contact](#)**SELECT****HOUR(order_time) as hour, COUNT(order_id) as order_count****FROM****orders****GROUP BY HOUR(order_time);**

hour	order_count
11	1231
12	2520
13	2455
14	1472
15	1468
16	1920
17	2336
18	2399
19	2009
20	1642



Q8 JOIN RELEVANT TABLES TO FIND THE CATEGORY-WISE DISTRIBUTION OF PIZZAS.

```
select category, count(name) as count_cat  
from pizza_types  
group by category;
```

	category	count_cat
▶	Chicken	6
	Classic	8
	Supreme	9
	Veggie	9



Q9 GROUP THE ORDERS BY DATE AND CALCULATE THE AVERAGE NUMBER OF PIZZAS ORDERED PER DAY.

```
SELECT  
    ROUND(AVG(quantity), 0)  
FROM  
    (SELECT  
        order_date, SUM(order_details.quantity) AS quantity  
    FROM  
        orders  
    JOIN order_details ON orders.order_id = order_details.order_id  
    GROUP BY order_date) AS order_quantity;
```

	ROUND(AVG(quantity), 0)
▶	138



Q10 DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE.

[Home](#)[About](#)[Contact](#)**SELECT**

```
    pizza_types.name,  
    SUM(order_details.quantity * pizzas.price) AS revenue  
FROM  
    pizza_types  
        JOIN  
    pizzas ON pizzas.pizza_type_id = pizza_types.pizza_type_id  
        JOIN  
    order_details ON pizzas.pizza_id = order_details.pizza_id  
GROUP BY pizza_types.name  
ORDER BY revenue DESC  
LIMIT 3;
```

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 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  
    JOIN  
    pizzas ON pizzas.pizza_id = order_details.pizza_id )* 100,2) as revenue  
from pizza_types join pizzas  
on pizzas.pizza_type_id = pizza_types.pizza_type_id  
join order_details  
on order_details.pizza_id = pizzas.pizza_id  
group by category order by revenue desc;
```

category	revenue
Classic	26.91
Supreme	25.46
Chicken	23.96
Veggie	23.68



Q12 ANALYZE THE CUMULATIVE REVENUE GENERATED OVER TIME.

```
select order_date,  
       sum(revenue) over(order by order_date) as cum_revenu  
  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_id  
   group by orders.order_date) as sales;
```

order_date	cum_revenu
2015-01-01	2713.850000000004
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	23990.350000000002



Q13 DETERMINE THE TOP 3 MOST ORDERED PIZZA TYPES BASED ON REVENUE FOR EACH PIZZA CATEGORY.

```
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(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) as a) as b
where rn <=3;
```

name	revenue
The Thai Chicken Pizza	43434.25
The Barbecue Chicken Pizza	42768
The California Chicken Pizza	41409.5
The Classic Deluxe Pizza	38180.5
The Hawaiian Pizza	32273.25
The Pepperoni Pizza	30161.75
The Spicy Italian Pizza	34831.25
The Italian Supreme Pizza	33476.75
The Sicilian Pizza	30940.5
The Four Cheese Pizza	32265.70000000065



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- 2025 PIZZA SALES SQL REPORT