

PIZZA SALES ANALYSIS PROJECT



WELCOME TO

PIZZA SALES ANALYSIS PROJECT

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OBJECTIVE

Here we have given some SQL questions and we need to write the queries for those questions.

In this PPT, I have solved all the questions using SQL queries, which clarified my basic SQL concepts and improved my skills.

Q1:-Retrieve the total number of orders placed.

SQL File 6* pizzas pizza_types - Table orders order_details

|||||||||||||

```
1 • CREATE DATABASE pizzahut;
2 • USE pizzahut;
3 -- Q1-> Retrieve the total number of orders placed ?
4 • SELECT count(order_id) as Total_orders FROM orders;
```

Result Grid | Filter Rows: Export: Wrap Cell Content:

Total_orders
21350

Q2:-Calculate the total revenue generated from pizza sales.

Server Tools Scripting Help

SQL File 6* pizzas orders order_details pizza_types

5

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8 #Q2-> Calculate the total revenue generated from pizza sales?

9 • SELECT round(sum(od.quantity * p.price),2)as Total_revenue FROM order_details as od join pizzas as

10 on od.pizza_id = p.pizza_id ;

11

Result Grid | Filter Rows: _____ | Export: _____ | Wrap Cell Content: _____

Total_revenue
817860.05

Q3:-Identify the highest-priced pizza.

SQL File 6* × pizzas orders order_details pizza_types

13 #Q3->Identify the highest-priced pizza.

14 • SELECT

15 pizza_types.name, pizzas.price

16 FROM

17 pizza_types

18 JOIN

19 pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id

20 ORDER BY pizzas.price DESC

21 LIMIT 1;

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

	name	price
▶	The Greek Pizza	35.95

Q4:- Identify the most common pizza size ordered.

QL File 6* pizzas orders order_details pizza_types

3 ***Q4** Identify the most common pizza size ordered.

4 • **SELECT**

5 pizzas.size **AS** size,

6 COUNT(order_details.quantity) **AS** max_order

7 **FROM**

8 pizzas

9 **JOIN**

0 order_details **ON** pizzas.pizza_id = order_details.pizza_id

1 **GROUP BY** size

2 **ORDER BY** max_order **DESC LIMIT** 1;

size	max_order
L	18526

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

```
QL File 6* pizzas orders order_details pizza_types
Limit to 1000 rows | 
3
4 #Q5-> List the top 5 most ordered pizza types along with their quantities.
5
6 • SELECT pizza_types.name , sum(order_details.quantity) as most_ord_pizza FROM pizza_types join pi
7 on pizza_types.pizza_type_id = pizzas.pizza_type_id
8 join order_details on order_details.pizza_id = pizzas.pizza_id
9 group by pizza_types.name order by most_ord_pizza desc limit 5;
```

Result Grid		Filter Rows:
	name	most_ord_pizza
	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.

SQL File 6* pizzas orders order_details pizza_types

.0

.1 #Q6-Join the necessary tables to find the total quantity of each pizza category ordered

.2 • **SELECT pizza_types.category, sum(order_details.quantity) as Total_quantity**

.3 **FROM pizzas join order_details**

.4 **on pizzas.pizza_id = order_details.pizza_id join pizza_types**

.5 **on pizza_types.pizza_type_id = pizzas.pizza_type_id**

.6 **group by pizza_types.category order by Total_quantity desc;**

.7

result Grid | Filter Rows: _____ | Export: | Wrap Cell Content: |

category	Total_quantity
Classic	14888
Supreme	11987
Veggie	11649
Chicken	11050

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

```
47
48 #Q7-> Determine the distribution of orders by hour of the day.
49 • SELECT
50     HOUR(order_time) AS hours, COUNT(order_id) orders_count
51 FROM
52     orders
53 GROUP BY hours;
54
```

Result Grid | Filter Rows: Export: Wrap Cell Content:

hours	orders_count
11	1231
12	2520
13	2455
14	1472
15	1468
16	1920
17	2336
18	2399
19	2000

result 24 x

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

```
+  
5  
6 #Q8->Join relevant tables to find the category-wise distribution of pizzas.  
7 • SELECT  
8     category, COUNT(*) as Total_sales  
9 FROM  
0     pizza_types  
1 GROUP BY category;
```

Result Grid | Filter Rows: Export: Wrap Cell Content:

category	Total_sales
Chicken	6
Classic	8
Supreme	9
Veggie	9

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

Server Tools Scripting Help

SQL File 6* pizzas orders order_details pizza_types

5

6 #Q-9-> Group the orders by date and calculate the average number of pizzas ordered per day.

7 • SELECT round(AVG(Quantity)) as avg_pizza_sales_per_day FROM (

8 SELECT orders.order_date, sum(order_details.quantity) as Quantity FROM orders join order_details

9 on orders.order_id = order_details.order_id group by orders.order_date) as order_quantity;

0

1

2

result Grid | Filter Rows: | Export: | Wrap Cell Content: |

avg_pizza_sales_per_day

138

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

MySQL Workbench

new connection ×

Edit View Query Database Server Tools Scripting Help

SQL File 6* pizzas orders order_details pizza_types

Filter objects

HEMAS

college
onlin
pizzahut
Tables
► order_details
► orders
► pizza_types
► pizzas
Views
Stored Procedures
Functions
pizzahut
practice
sakila
sys
world

70
71 #Q10-> Determine the top 3 most ordered pizza types based on revenue.
72 • SELECT most_order_pizza from
73 (SELECT pizza_types.name as most_order_pizza, sum(pizzas.price * order_details.quantity) as revenue FROM
74 pizzas.pizza_id = order_details.pizza_id join pizza_types
75 on pizzas.pizza_type_id = pizza_types.pizza_type_id
76 group by pizza_types.name order by revenue desc limit 3)as new_tb;
77
78

Result Grid | Filter Rows: Export: Wrap Cell Content: Result Grid

most_order_pizza
The Thai Chicken Pizza
The Barbecue Chicken Pizza
The California Chicken Pizza

Q11:-Calculate the percentage contribution of each pizza type to total revenue.

QL File 6* pizzas orders order_details pizza_types

#Q11-> Calculate the percentage contribution of each pizza type to total revenue.
#NOTE- Here two subqueries is used , first one is used for finding how much revenue is generated
from each pizza category
second one is used for finding how much total revenue is generated from pizza sales

```
8   #Q11-> Calculate the percentage contribution of each pizza type to total revenue.
9   #NOTE- Here two subqueries is used , first one is used for finding how much revenue is generated
10  # from each pizza category
11  # second one is used for finding how much total revenue is generated from pizza sales
12 • SELECT pizza_types.category, round(sum(pizzas.price * order_details.quantity) /
13   (SELECT round(sum(od.quantity * p.price ),2)as Total_revenue FROM order_details as od join pizzas as p
14   on od.pizza_id = p.pizza_id) *100 , 2) as percent_revenue
15   FROM pizzas join order_details
16   on pizzas.pizza_id = order_details.pizza_id join pizza_types
17   on pizza_types.pizza_type_id = pizzas.pizza_type_id group by pizza_types.category
18   order by percent_revenue desc;
19
```

result Grid | Filter Rows: Export: Wrap Cell Content: Result Grid

category	percent_revenue
Classic	26.91
Supreme	25.46
Chicken	23.96
Veggie	23.68



OUR CONTACT

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THANK YOU!

