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# EXPLORING DATASET OF PIZZA HOUSE BY SQL



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# ABOUT

Hello....!

This project exploring the pizza sales performance, metrics of the market to uncover insights and outlines strategies for growth



# ORDERS

order_id	date	time
24	2015-01-01	14:23:01
25	2015-01-01	14:44:44
26	2015-01-01	14:54:26
27	2015-01-01	15:11:17
28	2015-01-01	15:35:46
29	2015-01-01	15:41:01
30	2015-01-01	15:41:25
31	2015-01-01	15:50:18
32	2015-01-01	15:53:18
33	2015-01-01	15:54:08

# ORDER DETAILS

order_details_id	order_id	pizza_id	qua
146	105	hawaiian_s	2
147	105	pepperoni_l	1
148	105	prsc_argla_m	1
149	106	mexicana_l	1
150	106	spicy_ital_l	1
151	107	cali_ckn_l	1
152	107	ital_supr_m	1
153	107	spicy_ital_l	1
154	107	veggie_veg_l	1
155	108	classic_dlx_l	1
156	108	hawaiian_l	1

# PIZZAS

pizza_id	pizza_type_id	size	price
bbq_ckn_s	bbq_ckn	S	12.75
bbq_ckn_m	bbq_ckn	M	16.75
bbq_ckn_l	bbq_ckn	L	20.75
cali_ckn_s	cali_ckn	S	12.75
cali_ckn_m	cali_ckn	M	16.75
cali_ckn_l	cali_ckn	L	20.75
ckn_alfredo_s	ckn_alfredo	S	12.75
ckn_alfredo_m	ckn_alfredo	M	16.75
ckn_alfredo_l	ckn_alfredo	L	20.75
ckn_pesto_s	ckn_pesto	S	12.75
ckn_pesto_m	ckn_pesto	M	16.75

01

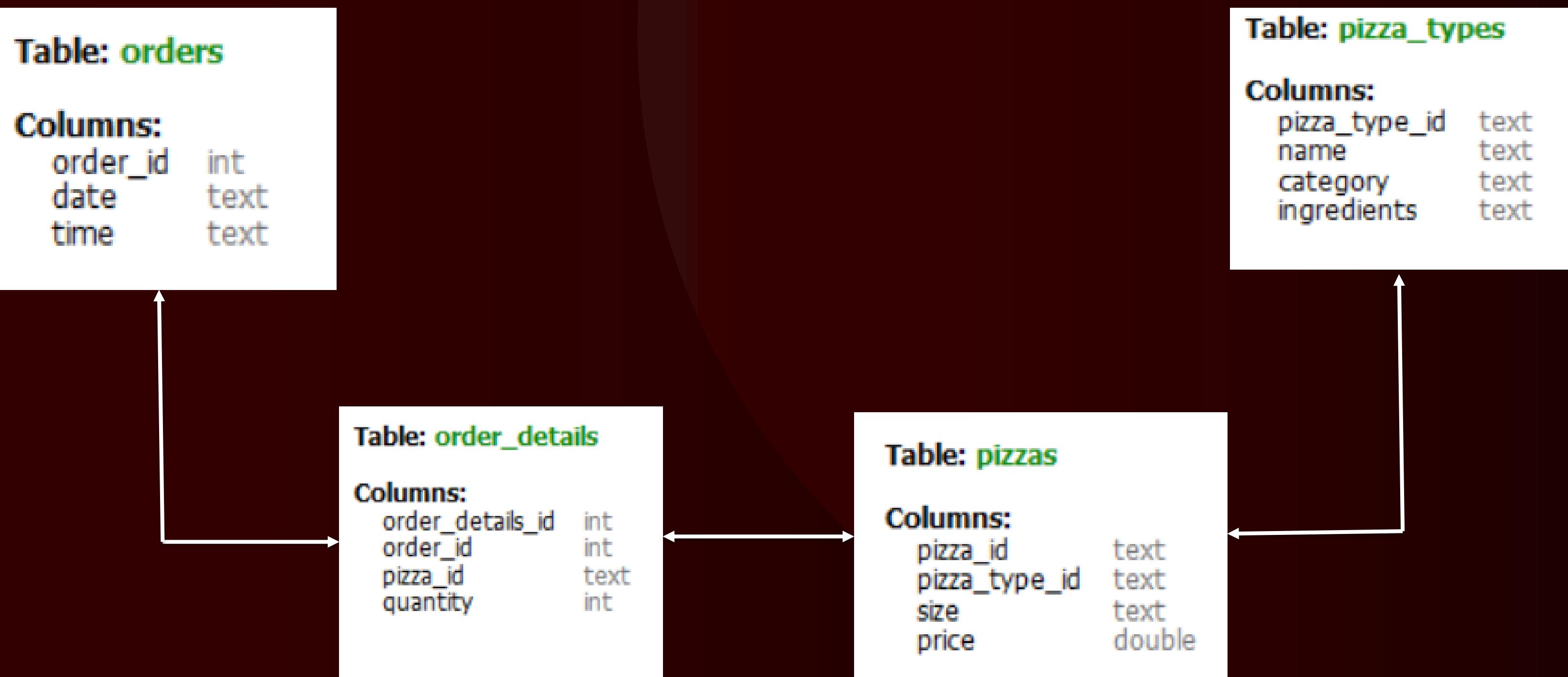
2

# PIZZA TYPES

pizza_type_id	name	category	ingredients
bbq_ckn	The Barbecue Chicken Pizza	Chicken	Barbecued Chicken, Red Peppers, Green Pepp..
cali_ckn	The California Chicken Pizza	Chicken	Chicken, Artichoke, Spinach, Garlic, Jalapeno P...
ckn_alfredo	The Chicken Alfredo Pizza	Chicken	Chicken, Red Onions, Red Peppers, Mushrooms..
ckn_pesto	The Chicken Pesto Pizza	Chicken	Chicken, Tomatoes, Red Peppers, Spinach, Garl..
southw_ckn	The Southwest Chicken Pizza	Chicken	Chicken, Tomatoes, Red Peppers, Red Onions, ..
thai_ckn	The Thai Chicken Pizza	Chicken	Chicken, Pineapple, Tomatoes, Red Peppers, T...
big_meat	The Big Meat Pizza	Classic	Bacon, Pepperoni, Italian Sausage, Chorizo Sau..
classic_dlx	The Classic Deluxe Pizza	Classic	Pepperoni, Mushrooms, Red Onions, Red Peppe..
hawaiian	The Hawaiian Pizza	Classic	Sliced Ham, Pineapple, Mozzarella Cheese
ital_cpdlo	The Italian Capocollo Pizza	Classic	Capocollo, Red Peppers, Tomatoes, Goat Chee..
napolitana	The Napolitana Pizza	Classic	Tomatoes, Anchovies, Green Olives, Red Onion..
pen_msh_pnp	The Pepperoni, Mushroom, ...	Classic	Pepperoni, Mushrooms, Green Peppers



# CORELATION OF TABLES WITH EACH OTHER





# THE TOTAL NO. OF ORDERS PLACED

SQL File 4    create-databases    SQL File 4 X

23  
24    # .....retreiving the total number of orders placed....  
25  
26  
27 • **select count(order\_id)**  
28      **as total\_num\_of\_orders**  
29      **from orders;**  
30  
31

Result Grid | Filter

	total_num_of_orders
▶	21350

# THE REVENUE GENERATED FROM THE PIZZA SALES



```
# .... revenue generated from the pizza sales ....
```

```
SELECT ROUND(SUM((od.quantity*p.price)), 3) AS total_sales  
FROM order_details AS od  
JOIN pizzas AS p  
ON p.pizza_id = od.pizza_id ;
```



Result Grid	grid icon	refresh icon
total_sales		817860.05

# THE HIGHEST PRICED PIZZAS



39

```
40 • select pizza_id, max(price) as highest_priced_pizza from pizzas  
41     group by pizza_id  
42     order by highest_priced_pizza desc  
43     limit 1;
```

44

Result Grid | Filter Rows:

	pizza_id	highest_priced_pizza
▶	the_greek_xxL	35.95



# MOST COMMONLY ORDERED PIZZA SIZE

```
46  
47      #----the most common pizza size ordered----  
48 •  select p.size, count(od.quantity)  
49      as common_order_size  
50      from order_details as od  
51      join pizzas as p  
52      on od.pizza_id= p.pizza_id  
53      group by 1  
54      order by p.size  
55
```

Result Grid | Filter Rows:

	size	common_order_size
▶	L	18526
	M	15385
	S	14137
	XL	544
	XXL	28

# TOP 10 MOST ORDERED PIZZAS & THEIR QUANTITIES



```
68      #---determining the hour of the day for most orders distributed---
69
70 • alter table orders
71   change time order_time varchar(200);
72 • select count(order_id) as total_orders,
73   hour(order_time) as ordered_time
74   from orders
75   group by ordered_time
76   order by total_orders desc
77
```

	total_orders	ordered_time
▶	2520	12
	2455	13
	2399	18
	2336	17
	2009	19
	1920	16
	1642	20

# THE HOURS OF THE DAY FOR MOST ORDERS DISTRIBUTED

```
58      ----determining the hour of the day for most orders distributed----  
59  
60 • alter table orders  
61     change time order_time varchar(200);  
62 • select count(order_id) as total_orders,  
63     hour(order_time) as ordered_time  
64     from orders  
65     group by ordered_time|  
66     order by total_orders desc  
67
```



	total_orders	ordered_time
▶	2520	12
	2455	13
	2399	18
	2336	17
	2009	19
	1920	16
	1642	20



# TOTAL ORDERS OF EACH PIZZA ITEM

```
78      ----- total orders of each pizza item -----
79
80 •   SELECT SUM(od.quantity) AS total_quantity , pt.name AS name
81     FROM order_details AS od
82     JOIN pizzas AS p
83     ON od.pizza_id = p.pizza_id
84     JOIN pizza_types AS pt
85     ON pt.pizza_type_id = p.pizza_type_id
86     GROUP BY name
87     ORDER BY total_quantity DESC;
88
```



	total_quantity	name
▶	2453	The Classic Deluxe Pizza
	2432	The Barbecue Chicken Pizza
	2422	The Hawaiian Pizza
	2418	The Pepperoni Pizza
	2371	The Thai Chicken Pizza
	2370	The California Chicken Pizza
	1938	The Sicilian Pizza

# TOP 5 MOST ORDERED PIZZA TYPES BASED ON THE REVENUE



```
88
89
90      ----- finding top 5 most ordered pizza types based on the revenue
91
92 •  select pt.name,sum(od.quantity*p.price) as revenue
93   from pizza_types as pt
94   join pizzas as p
95   on pt.pizza_type_id= p.pizza_type_id
96   join order_details as od
97   on p.pizza_id = od.pizza_id
98   group by 1
```



Result Grid		Filter Rows:
	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 Spicy Italian Pizza	34831.25





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# THANK YOU

## FOR ATTENTION

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Github : <https://github.com/AkashModdugalla86>