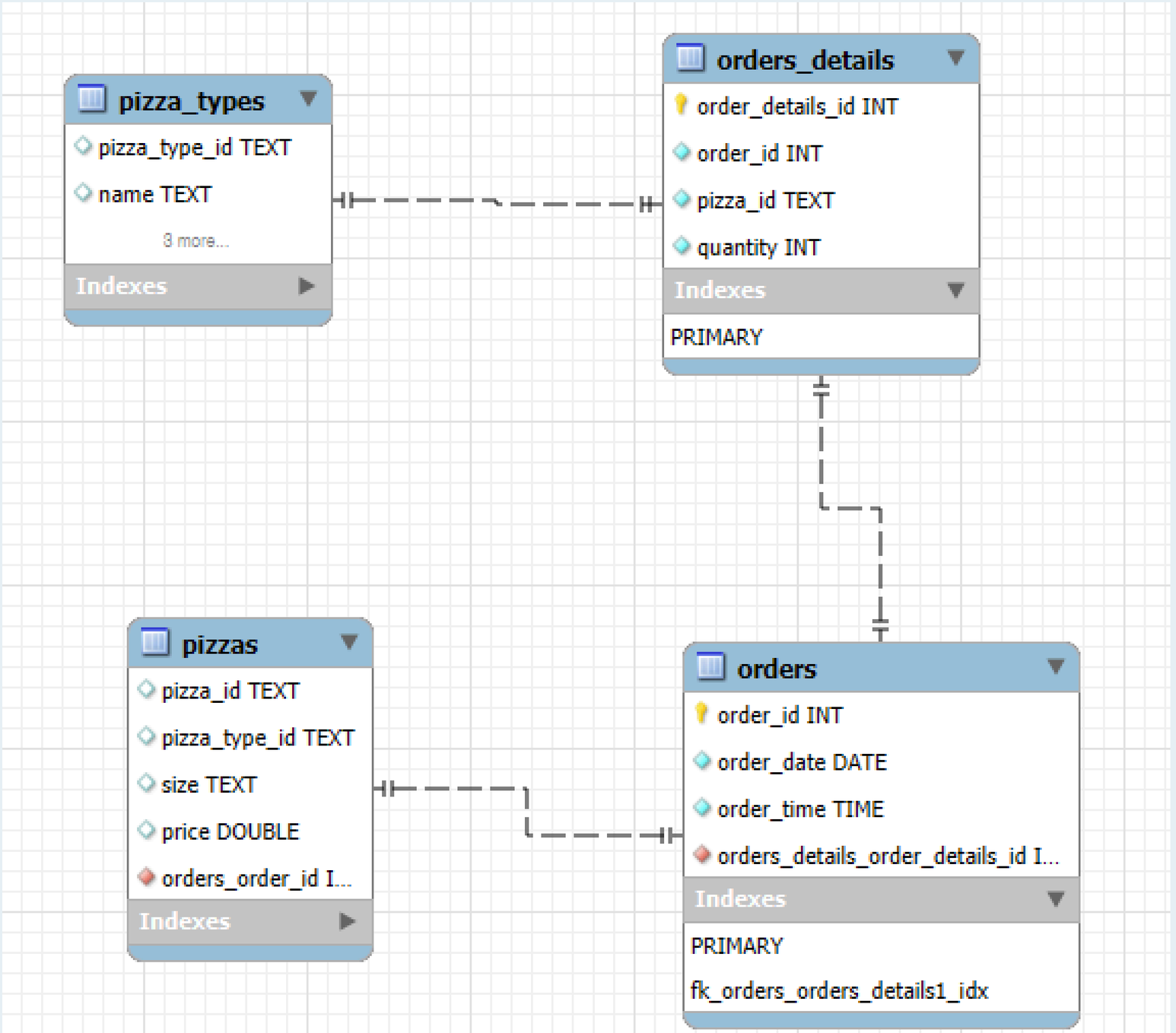
PROJECT OF

PIZZA STORE

VIA SQL

Hello I am NAVEEN KUMAR T M
in this project i have utilized SQL query to solve question that were related to PIZZA sales


pizza_types
pizza_type_id TEXT
name TEXT
3 more...
Indexes
orders_details
order_details_id INT
order_id INT
pizza_id TEXT
quantity INT
Indexes
PRIMARY
pizzas
pizza_id TEXT
pizza_type_id TEXT
size TEXT
price DOUBLE
orders_order_id I...
Indexes
orders
order_id INT
order_date DATE
order_time TIME
orders_details_order_details_id I...
Indexes
PRIMARY
fk_orders_orders_details1_idx

Retrieve the total number of orders placed

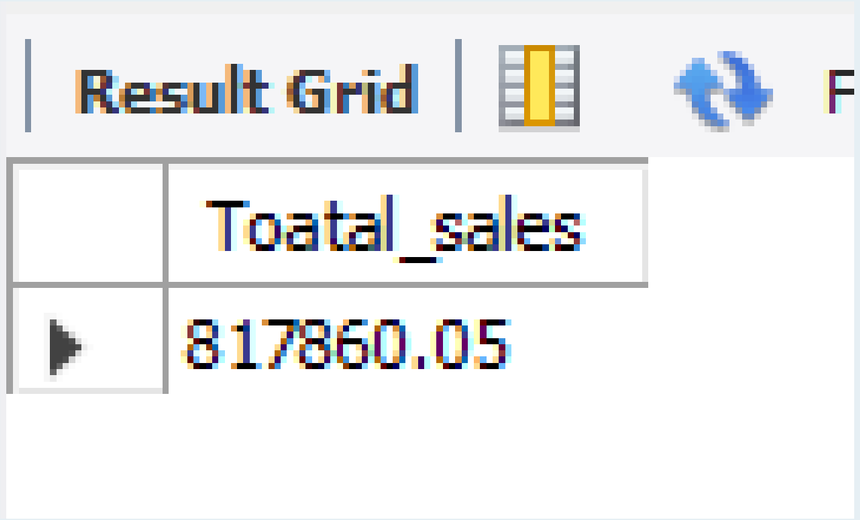
```
select count(order_id)
  from orders;
```

Result Grid

	count(order_id)
▶	21350

CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES

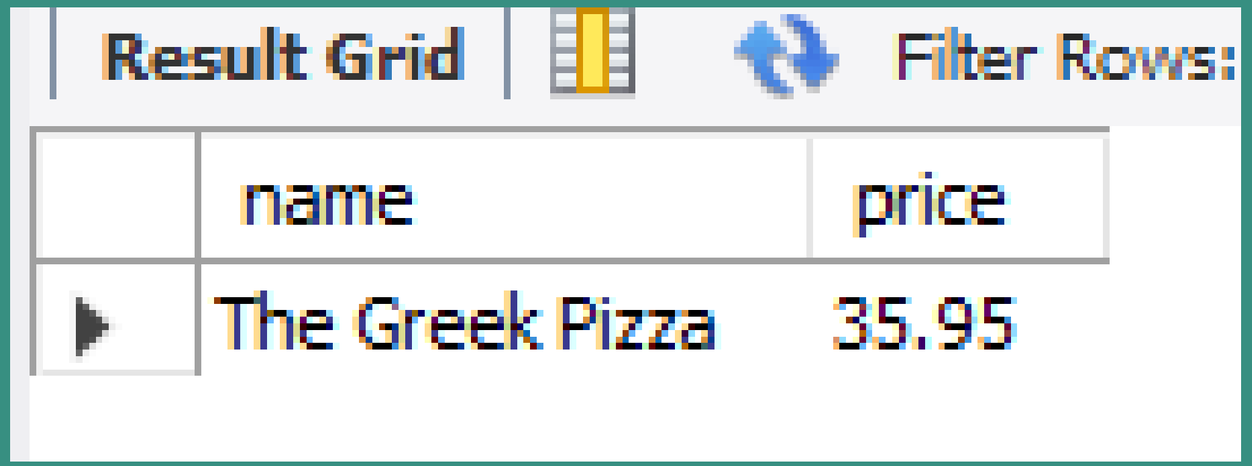
```
select  round(sum(orders_details.quantity * pizzas.price),2) as Toatal_sales
from orders_details join pizzas
on pizzas.pizza_id=orders_details.pizza_id;
```



	Toatal_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;
```



	name	price
▶	The Greek Pizza	35.95

Identify the most common pizza size ordered

```sql
select pizzas.size, count(orders_details.order_details_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 | Filter Rows:

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

```sql
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, count(orders_details.quantity) as total,sum(orders_details.quantity) as total_sum
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 total
```

Result Grid   Filter Rows:

category	total	total_sum
Chicken	10815	11050
Veggie	11449	11649
Supreme	11777	11987
Classic	14579	14888

DETERMINE THE DISTRIBUTION OF ORDERS BY HOUR OF THE DAY

```
select hour(order_time) as order_per_time, count(order_id) as quantity
 from orders
 group by order_per_time
```

Result Grid | Filter Rows:

order_per_time	quantity
11	1231
12	2520
13	2455
14	1472
15	1468
16	1920
17	2336
18	2399
19	2009
20	1642
21	1198
22	663
23	28
10	8
9	1

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 Toatal_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
```

Result Grid | Filter Rows:

category	revenue
Classic	26.91
Supreme	25.46
Chicken	23.96
Veggie	23.68

Analyze the cumulative revenue generated over time.

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

Result Grid | Filter Rows:

order_date	cum_revenue
2015-01-01	2713.8500000000004
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
2015-01-11	25862.65
2015-01-12	27781.7

Determine the top 3 most ordered pizza types based on revenue for each pizza category

```sql
select category,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;
```

Result Grid | Filter Rows: | Exp

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