PIZZA SALES SQL QUERIES

1. TOTAL REVENUE

create view Total_revenue as select sum(total_price) as "TOTAL REVENUE" from pizza_sales;

select * from Total revenue;

| | TOTAL REVENUE |
|---|-----------------|
| 1 | 817860.05083847 |

2. AVERAGE ORDER VALUE

create view Average_order_value as select sum(total_price)/
count(distinct(order_id)) as "AVERAGE ORDER VALUE" from
pizza sales;

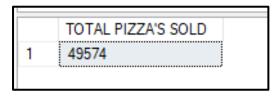
select * from Average_order_value;



3. TOTAL PIZZA'S SOLD

create view Total_pizzas_sold as select sum(quantity) as "TOTAL PIZZA'S SOLD" from pizza sales;

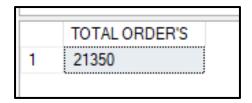
select * from Total_pizzas_sold;



4. TOTAL ORDER'S

create view Total_orders as select count(distinct(order_id)) as "TOTAL ORDER'S" from pizza sales;

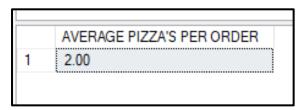
select * from Total orders;



5. AVERAGE PIZZA'S PER ORDER

create view Average_pizza_per_order as select cast(sum(quantity)/count(distinct(order_id)) as decimal(10,2)) as "AVERAGE PIZZA'S PER ORDER" from pizza sales;

select * from Average_pizza_per_order;



6. DAILY TREND OF ORDERS

create view daily_trends_of_orders as select datename(DW,order_date) as "DAY", count(distinct(order_id)) AS "TOTAL ORDERS" from pizza_sales group by datename(DW,order_date);

select * from daily trends of orders;

| | DAY | TOTAL ORDERS | |
|---|-----------|--------------|--|
| 1 | Saturday | 3158 | |
| 2 | Wednesday | 3024 | |
| 3 | Monday | 2794 | |
| 4 | Sunday | 2624 | |
| 5 | Friday | 3538 | |
| 6 | Thursday | 3239 | |
| 7 | Tuesday | 2973 | |
| | | | |
| | | | |

7. MONTHLY TRENDS OF ORDERS

create view Monthly_trends_of_orders as Select datename(MONTH,order_date) as "MONTH NAME", count(distinct(order_id)) AS TOTAL_ORDERS from pizza_sales group by datename(MONTH,order_date);

select * from Monthly_trends_of_orders;

| | MONTH NAME | TOTAL_ORDERS |
|----|------------|--------------|
| 1 | February | 1685 |
| 2 | June | 1773 |
| 3 | August | 1841 |
| 4 | April | 1799 |
| 5 | May | 1853 |
| 6 | December | 1680 |
| 7 | January | 1845 |
| 8 | September | 1661 |
| 9 | October | 1646 |
| 10 | July | 1935 |
| 11 | November | 1792 |
| 12 | March | 1840 |
| | | |

8. PERCENTAGE OF SALES BY PIZZA CATEGORY

create view pct_by_pizza_category as select pizza_category, cast(sum(total_price) as decimal(10,2)) as "TOTAL SALES", cast(sum(total_price) * 100 /(select sum(total_price) from pizza_sales) as decimal(10,2)) as "PERCENTAGE OF SALES"

from pizza_sales group by pizza_category; select * from pct by pizza category;

| | pizza_category | TOTAL SALES | PERCENTAGE OF SALES |
|---|----------------|-------------|---------------------|
| 1 | Classic | 220053.10 | 26.91 |
| 2 | Chicken | 195919.50 | 23.96 |
| 3 | Veggie | 193690.45 | 23.68 |
| 4 | Supreme | 208197.00 | 25.46 |

9. PERCENTAGE OF SALES BY PIZZA SIZE

create view pct_by_pizza_size as select pizza_size, cast(sum(total_price) as decimal(10,2)) as "TOTAL SALES", cast(sum(total_price) * 100 /(select sum(total_price) from pizza_sales) as decimal(10,2)) as "PERCENTAGE OF SALES"

from pizza_sales group by pizza_size;
select * from pct_by_pizza_size;

| | pizza_size | TOTAL SALES | PERCENTAGE OF SALES |
|---|------------|-------------|---------------------|
| 1 | L | 375318.70 | 45.89 |
| 2 | XXL | 1006.60 | 0.12 |
| 3 | M | 249382.25 | 30.49 |
| 4 | XL | 14076.00 | 1.72 |
| 5 | S | 178076.50 | 21.77 |
| | | | |

10. TOP 5 PIZZA'S BY REVENUE

create view top_5_pizzas_by_revenue as select TOP 5 pizza_name, cast(sum(total_price) as decimal(10,2)) as TOTAL_REVENUE from pizza_sales group by pizza_name order by TOTAL_REVENUE DESC;

select * from top_5_pizzas_by_revenue;

| | pizza_name | TOTAL_REVENUE |
|---|------------------------------|---------------|
| 1 | The Thai Chicken Pizza | 43434.25 |
| 2 | The Barbecue Chicken Pizza | 42768.00 |
| 3 | The California Chicken Pizza | 41409.50 |
| 4 | The Classic Deluxe Pizza | 38180.50 |
| 5 | The Spicy Italian Pizza | 34831.25 |
| | | |

11. BOTTOM 5 PIZZA'S BY REVENUE

create view Bottom_5_pizzas_by_revenue as select TOP 5 pizza_name, cast(sum(total_price) as decimal(10,2)) as TOTAL_REVENUE from pizza_sales group by pizza_name order by TOTAL_REVENUE;

select * from Bottom_5_pizzas_by_revenue;

| | pizza_name | TOTAL_REVENUE |
|---|---------------------------|---------------|
| 1 | The Brie Carre Pizza | 11588.50 |
| 2 | The Green Garden Pizza | 13955.75 |
| 3 | The Spinach Supreme Pizza | 15277.75 |
| 4 | The Mediterranean Pizza | 15360.50 |
| 5 | The Spinach Pesto Pizza | 15596.00 |

12. TOP 5 PIZZA'S BY QUANTITY

create view top_5_pizzas_by_Quantity as select TOP 5 pizza_name, sum(quantity) As TOTAL_QUANTITY from pizza_sales group by pizza name order by TOTAL_QUANTITY desc;

select * from top 5 pizzas by Quantity;

| | pizza_name | TOTAL_QUANTITY |
|---|----------------------------|----------------|
| 1 | The Classic Deluxe Pizza | 2453 |
| 2 | The Barbecue Chicken Pizza | 2432 |
| 3 | The Hawaiian Pizza | 2422 |
| 4 | The Pepperoni Pizza | 2418 |
| 5 | The Thai Chicken Pizza | 2371 |
| | | |

13. BOTTOM 5 PIZZA'S BY QUANTITY

create view Bottom_5_pizzas_by_Quantity as select TOP 5 pizza_name, sum(quantity) As TOTAL_QUANTITY from pizza_sales group by pizza name order by TOTAL_QUANTITY;

select * from Bottom 5 pizzas by Quantity;

| | pizza_name | TOTAL_QUANTITY |
|---|---------------------------|----------------|
| 1 | The Brie Carre Pizza | 490 |
| 2 | The Mediterranean Pizza | 934 |
| 3 | The Calabrese Pizza | 937 |
| 4 | The Spinach Supreme Pizza | 950 |
| 5 | The Soppressata Pizza | 961 |

14. TOP 5 PIZZA'S BY COUNT OF ORDERS

create view top_5_pizzas_by_orders as select TOP 5
pizza_name,count(distinct(order_id)) As TOTAL_ORDERS from
pizza_sales group by pizza_name order by TOTAL_ORDERS desc;

select * from top 5 pizzas by orders;

| | pizza_name | TOTAL_ORDERS |
|---|--------------------------|--------------|
| 1 | The Classic Deluxe Pizza | 2329 |
| 2 | The Hawaiian Pizza | 2280 |
| 3 | The Pepperoni Pizza | 2278 |
| 4 | The Barbecue Chicken | 2273 |
| 5 | The Thai Chicken Pizza | 2225 |
| | | |

15. BOTTOM 5 PIZZA'S BY COUNT OF ORDERS

create view Bottom_5_pizzas_by_orders as select TOP 5 pizza_name,count(distinct(order_id)) As TOTAL_ORDERS from pizza_sales group by pizza_name order by TOTAL_ORDERS;

select * from Bottom_5_pizzas_by_orders;

| | pizza_name | TOTAL_ORDERS |
|---|-------------------------|--------------|
| 1 | The Brie Carre Pizza | 480 |
| 2 | The Mediterranean Pizza | 912 |
| 3 | The Spinach Supreme | 918 |
| 4 | The Calabrese Pizza | 918 |
| 5 | The Chicken Pesto Pizza | 938 |

16. PIZZAS WITH SALES ABOVE AVERAGE TOTAL PRICE.

create view high_value_pizzas as select pizza_name, sum(total_price) as total_sales from pizza_sales group by pizza_name having sum(total_price) > (select avg(total_price) from pizza_sales);

select * from high value pizzas order by total sales desc;

| | pizza_name | total_sales |
|----|-----------------------------------|------------------|
| 1 | The Thai Chicken Pizza | 43434.25 |
| 2 | The Barbecue Chicken Pizza | 42768 |
| 3 | The California Chicken Pizza | 41409.5 |
| 4 | The Classic Deluxe Pizza | 38180.5 |
| 5 | The Spicy Italian Pizza | 34831.25 |
| 6 | The Southwest Chicken Pizza | 34705.75 |
| 7 | The Italian Supreme Pizza | 33476.75 |
| 8 | The Hawaiian Pizza | 32273.25 |
| 9 | The Four Cheese Pizza | 32265.7010040283 |
| 10 | The Sicilian Pizza | 30940.5 |
| 11 | The Pepperoni Pizza | 30161.75 |
| 12 | The Greek Pizza | 28454.1000213623 |
| 13 | The Mexicana Pizza | 26780.75 |
| 14 | The Five Cheese Pizza | 26066.5 |
| 15 | The Pepper Salami Pizza | 25529 |
| 16 | The Italian Capocollo Pizza | 25094 |
| 17 | The Vegetables + Vegetables Pizza | 24374.75 |
| 18 | The Prosciutto and Arugula Pizza | 24193.25 |
| 19 | The Napolitana Pizza | 24087 |
| 20 | The Spinach and Feta Pizza | 23271.25 |
| 21 | The Big Meat Pizza | 22968 |
| 22 | The Pepperoni, Mushroom, and P | 18834.5 |
| 23 | The Chicken Alfredo Pizza | 16900.25 |
| 24 | The Chicken Pesto Pizza | 16701.75 |
| 25 | The Soppressata Pizza | 16425.75 |
| 26 | The Italian Vegetables Pizza | 16019.25 |
| 27 | The Calabrese Pizza | 15934.25 |
| 28 | The Spinach Pesto Pizza | 15596 |
| 29 | The Mediterranean Pizza | 15360.5 |
| 30 | The Spinach Supreme Pizza | 15277.75 |
| 31 | The Green Garden Pizza | 13955.75 |
| 32 | The Brie Carre Pizza | 11588.4998130798 |

17. CREATE INDEX ON PIZZA_NAME_ID.

create index idx_pizza_name_id on pizza_sales(pizza_name_id);
select name from sys.indexes where object_id = object_id('pizza_sales');

