PIZZA SALES SQL QUERIES (Theme = Idea)

**A. KPI’s**

**1. Total Revenue:**

**SELECT SUM** (TOTAL\_PRICE) TOTAL\_REVENUE **FROM** PIZZA\_SALES;

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**2. Average Order Value**

**SELECT** (**SUM** (TOTAL\_PRICE)/ **COUNT** (**DISTINCT** ORDER\_ID)) AVERAGE\_ORDER\_VALUE **FROM** PIZZA\_SALES;

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**3. Total Pizzas Sold**

**SELECT** **SUM** (QUANTITY) TOTAL\_PIZZAS\_SOLD **FROM** PIZZA\_SALES;

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**4. Total Orders**

**SELECT** **COUNT** (**DISTINCT** ORDER\_ID) TOTAL\_ORDERS **FROM** PIZZA\_SALES;

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**5. Average Pizzas Per Order**

**SELECT** **ROUND** (**SUM** (QUANTITY)/ **COUNT** (**DISTINCT** ORDER\_ID),2) AVERAGE\_PIZZAS\_PER\_ORDER **FROM** PIZZA\_SALES;

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B. Daily Trend for Total Orders  
B. Daily Trend for Total Orders  
**SELECT**   
 **RTRIM**(TO\_CHAR(order\_date, **'Day'**)) **AS** ORDER\_DAY,   
 **COUNT**(**DISTINCT** order\_id) **AS** TOTAL\_ORDERS  
**FROM**   
 Pizza\_Sales  
**GROUP** **BY**   
 **RTRIM**(TO\_CHAR(order\_date, **'Day'**));

***Output:***

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**C. Monthly Trend for Orders**

**SELECT**   
 TO\_CHAR(order\_date, **'Month'**) **AS** month\_name,  
 **COUNT**(**DISTINCT** order\_id) **AS** total\_orders  
**FROM**   
 Pizza\_Sales  
**GROUP** **BY**   
 TO\_CHAR(order\_date, **'Month'**);

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**D. % of Sales by Pizza Category**

**SELECT**   
 PIZZA\_CATEGORY, TO\_CHAR(**ROUND**(**SUM**(TOTAL\_PRICE),2),**'999999990.00'**)TOTAL\_REVENUE,  
 **ROUND**(**SUM**(TOTAL\_PRICE) / (**SELECT** **SUM**(TOTAL\_PRICE)**FROM** PIZZA\_SALES) \* 100, 2) PCT  
**FROM**   
 PIZZA\_SALES   
**GROUP** **BY**   
 PIZZA\_CATEGORY;

***Output***

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**E. % of Sales by Pizza Size**

**SELECT** PIZZA\_SIZE,TO\_CHAR(**ROUND**(**SUM**(TOTAL\_PRICE),2),**'999999990.00'**)

TOTAL\_REVENUE,**ROUND**(**SUM**(TOTAL\_PRICE) / (**SELECT** **SUM**(TOTAL\_PRICE)**FROM** PIZZA\_SALES) \* 100, 2) PCT  
**FROM**   
 PIZZA\_SALES   
**GROUP** **BY** PIZZA\_SIZE  
**ORDER** **BY** PIZZA\_SIZE;

***Output***

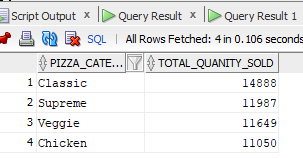
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**F. Total Pizzas Sold by Pizza Category**

**SELECT**   
 PIZZA\_CATEGORY, **SUM**(QUANTITY) TOTAL\_QUANITY\_SOLD  
**FROM**   
 PIZZA\_SALES  
**GROUP** **BY** PIZZA\_CATEGORY  
**ORDER** **BY** TOTAL\_QUANITY\_SOLD **DESC**;

***Output***



**G. Top 5 Pizzas by Revenue**

**SELECT**  
PIZZA\_NAME, TOTAL\_REVENUE  
**FROM**(  
**SELECT**  
 PIZZA\_NAME,**SUM**(TOTAL\_PRICE)TOTAL\_REVENUE  
**FROM**   
 PIZZA\_SALES   
**GROUP** **BY**   
 PIZZA\_NAME  
**ORDER** **BY**   
 TOTAL\_REVENUE **DESC**)  
**WHERE** **ROWNUM** <=5;

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**H. Bottom 5 Pizzas by Revenue**

**SELECT**  
PIZZA\_NAME, TOTAL\_REVENUE  
**FROM**(  
**SELECT**  
 PIZZA\_NAME,**SUM**(TOTAL\_PRICE)TOTAL\_REVENUE  
**FROM**   
 PIZZA\_SALES   
**GROUP** **BY**   
 PIZZA\_NAME  
**ORDER** **BY**   
 TOTAL\_REVENUE **DESC**)  
**WHERE** **ROWNUM** <=5;

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**I. Top 5 Pizzas by Quantity**

**SELECT**  
PIZZA\_NAME, TOTAL\_PIZZA\_SOLD  
**FROM**(  
**SELECT**  
 PIZZA\_NAME,**SUM**(QUANTITY)TOTAL\_PIZZA\_SOLD  
**FROM**   
 PIZZA\_SALES   
**GROUP** **BY**   
 PIZZA\_NAME  
**ORDER** **BY**   
 TOTAL\_PIZZA\_SOLD **DESC**)  
**WHERE** **ROWNUM** <=5;

***Output***

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**J. Bottom 5 Pizzas by Quantity**

**SELECT**  
PIZZA\_NAME, TOTAL\_PIZZA\_SOLD  
**FROM**(  
**SELECT**  
 PIZZA\_NAME,**SUM**(QUANTITY)TOTAL\_PIZZA\_SOLD  
**FROM**   
 PIZZA\_SALES   
**GROUP** **BY**   
 PIZZA\_NAME  
**ORDER** **BY**   
 TOTAL\_PIZZA\_SOLD **DESC**)  
**WHERE** **ROWNUM** <=5;

***Output***

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**K. Top 5 Pizzas by Total Orders**

**SELECT**  
PIZZA\_NAME, TOTAL\_ORDERS  
**FROM**(  
**SELECT**  
 PIZZA\_NAME,**COUNT**(**DISTINCT**(ORDER\_ID))TOTAL\_ORDERS  
**FROM**   
 PIZZA\_SALES   
**GROUP** **BY**   
 PIZZA\_NAME  
**ORDER** **BY**   
 TOTAL\_ORDERS **DESC**)  
**WHERE** **ROWNUM** <=5;

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**L. Bottom 5 Pizzas by Total Orders**

**SELECT**  
PIZZA\_NAME, TOTAL\_ORDERS  
**FROM**(**SELECT**  
 PIZZA\_NAME,**COUNT**(**DISTINCT**(ORDER\_ID))TOTAL\_ORDERS  
**FROM** PIZZA\_SALES   
**GROUP** **BY** PIZZA\_NAME  
**ORDER** **BY** TOTAL\_ORDERS)  
**WHERE** **ROWNUM** <=5;

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***NOTE***

If you want to apply the pizza\_category or pizza\_size filters to the above queries you can use WHERE clause. Follow some of below examples

SELECT Top 5 pizza\_name, COUNT(DISTINCT order\_id) AS Total\_Orders

FROM pizza\_sales

WHERE pizza\_category = 'Classic'

GROUP BY pizza\_name

ORDER BY Total\_Orders ASC