**Relevant SQL Queries**

**A. KPI’s according to the problem statement**

**1. Total Revenue:**

SELECT SUM(total\_price) AS Total\_Revenue FROM pizza\_sales;



**2. Average Order Value**

SELECT (SUM(total\_price) / COUNT(DISTINCT order\_id)) AS Avg\_order\_Value FROM pizza\_sales;

**3. Total Pizzas Sold**

SELECT SUM(quantity) AS Total\_pizza\_sold FROM pizza\_sales;

**4. Total Orders**

SELECT COUNT(DISTINCT order\_id) AS Total\_Orders FROM pizza\_sales;

**5. Average Pizzas Per Order**

SELECT CAST(CAST(SUM(quantity) AS DECIMAL(10,2)) /

CAST(COUNT(DISTINCT order\_id) AS DECIMAL(10,2)) AS DECIMAL(10,2))

AS Avg\_Pizzas\_per\_order

FROM pizza\_sales;

**B. Daily Trend for Total Orders  
SELECT** **TO\_CHAR**(**TO\_DATE**(order\_date, **'DD-MM-YYYY'**), **'Day'**) **AS** *order\_day*, **COUNT**(**DISTINCT** order\_id) **AS** *total\_orders*

**FROM** pizza\_sales

**GROUP** **BY** **TO\_CHAR**(**TO\_DATE**(order\_date, **'DD-MM-YYYY'**), **'Day'**);

***Output:***

**C. Monthly Trend for Orders**

**SELECT** **TO\_CHAR**(**TO\_DATE**(order\_date, **'DD-MM-YYYY'**), **'Month'**) **AS** *Month\_Name*,

**COUNT**(**DISTINCT** order\_id) **AS** *Total\_Orders*

**FROM** pizza\_sales

**GROUP** **BY** **EXTRACT**(**MONTH** **FROM** **TO\_DATE**(order\_date, **'DD-MM-YYYY'**)),

**TO\_CHAR**(**TO\_DATE**(order\_date, **'DD-MM-YYYY'**), **'Month'**);

***Output***

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

**SELECT** pizza\_category, **CAST**(**SUM**(total\_price) **AS** **DECIMAL**(10,2)) **as** *total\_revenue*,

**CAST**(**SUM**(total\_price) \* 100 / (**SELECT** **SUM**(total\_price) **from** pizza\_sales) **AS** **DECIMAL**(10,2)) **AS** *PCT*

**FROM** pizza\_sales

**GROUP** **BY** pizza\_category

***Output***

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

**SELECT** pizza\_size, **CAST**(**SUM**(total\_price) **AS** **DECIMAL**(10,2)) **as** *total\_revenue*,

**CAST**(**SUM**(total\_price) \* 100 / (**SELECT** **SUM**(total\_price) **from** pizza\_sales) **AS** **DECIMAL**(10,2)) **AS** *PCT*

**FROM** pizza\_sales

**GROUP** **BY** pizza\_size

**ORDER** **BY** pizza\_size

***Output***

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

**SELECT** pizza\_category, **SUM**(quantity) **AS** *Total\_Quantity\_Sold*

**FROM** pizza\_sales

**GROUP** **BY** pizza\_category

**ORDER** **BY** *Total\_Quantity\_Sold* **DESC**;

***Output***

**SELECT** pizza\_category, **SUM**(quantity) **AS** *Total\_Quantity\_Sold*

**FROM** pizza\_sales

**WHERE** **EXTRACT**(**MONTH** **FROM** **TO\_DATE**(order\_date, **'DD-MM-YYYY'**)) = 2

**GROUP** **BY** pizza\_category

**ORDER** **BY** *Total\_Quantity\_Sold* **DESC**;

**G. Top 5 Pizzas by Revenue**

**SELECT** pizza\_name, **SUM**(total\_price) **AS** *Total\_Revenue*

**FROM** pizza\_sales

**GROUP** **BY** pizza\_name

**ORDER** **BY** *Total\_Revenue* **DESC**

**LIMIT** 5;

**H. Bottom 5 Pizzas by Revenue**

**SELECT** pizza\_name, **SUM**(total\_price) **AS** *Total\_Revenue*

**FROM** pizza\_sales

**GROUP** **BY** pizza\_name

**ORDER** **BY** *Total\_Revenue* **ASC**

**LIMIT** 5;

**I. Top 5 Pizzas by Quantity**

**SELECT** pizza\_name, **SUM**(quantity) **AS** *Total\_Pizza\_Sold*

**FROM** pizza\_sales

**GROUP** **BY** pizza\_name

**ORDER** **BY** *Total\_Pizza\_Sold* **DESC**

**LIMIT** 5;

***Output***

**J. Bottom 5 Pizzas by Quantity**

**SELECT** pizza\_name, **SUM**(quantity) **AS** *Total\_Pizza\_Sold*

**FROM** pizza\_sales

**GROUP** **BY** pizza\_name

**ORDER** **BY** *Total\_Pizza\_Sold* **ASC**

**LIMIT** 5;

***Output***

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

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

**FROM** pizza\_sales

**GROUP** **BY** pizza\_name

**ORDER** **BY** *Total\_Orders* **desc**

**LIMIT** 5;

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

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

**FROM** pizza\_sales

**GROUP** **BY** pizza\_name

**ORDER** **BY** *Total\_Orders* **ASC**

**LIMIT** 5;

***NOTE***

If you want to apply the pizza\_category or pizza\_size filters to the above queries you can use WHERE clause. example,

**SELECT** 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**

**LIMIT** 5;