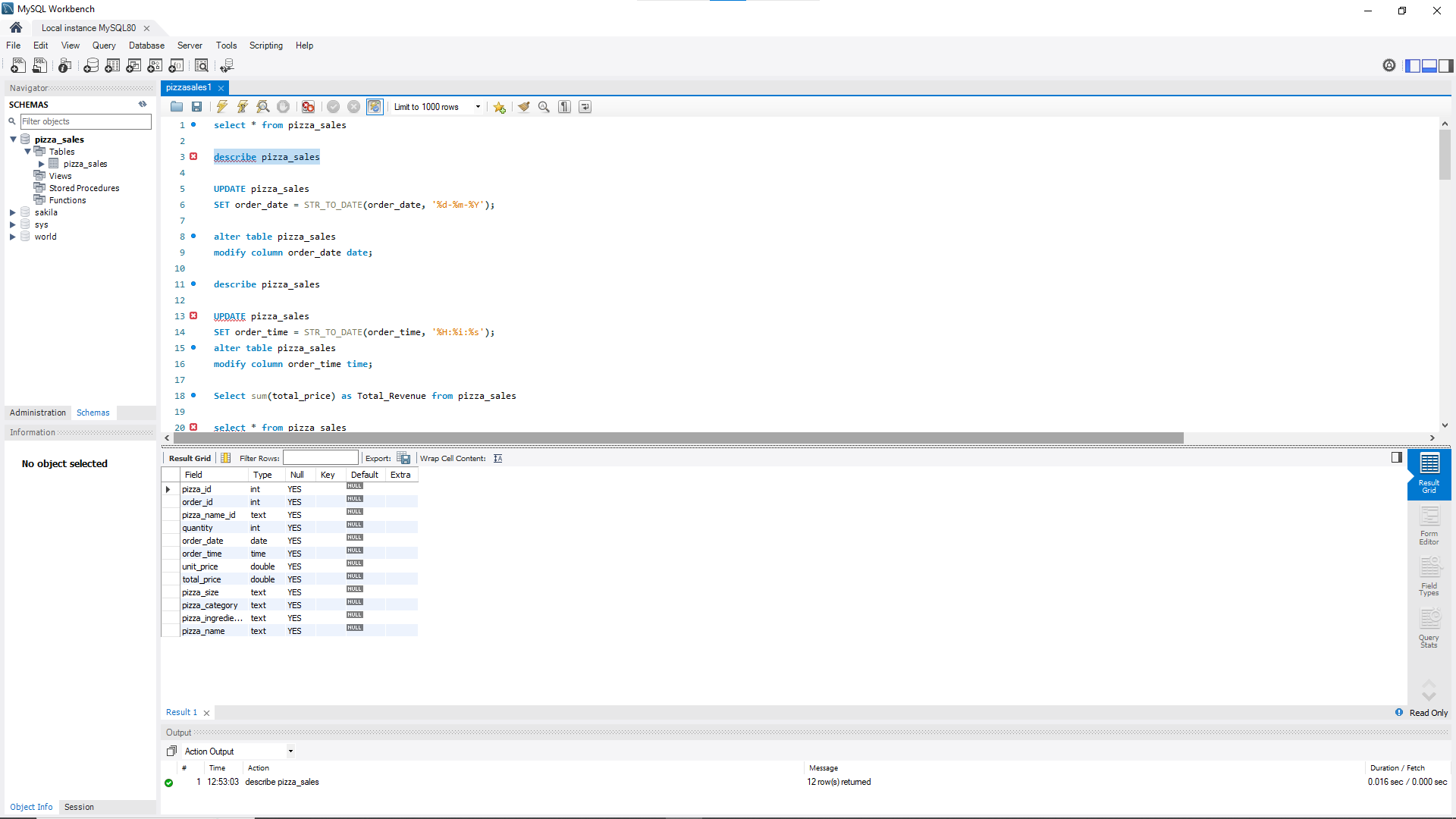
**PIZZA SALES SQL QUERIES**

**Data Type Check:**

**select** \* **from** pizza\_sales

**describe** pizza\_sales

****

Order\_date , order\_time may have in text format or in mixed format. We have to check that and if needed we have to change those following data type to date and time. The query will be like this:

**UPDATE** pizza\_sales

**SET** order\_date = STR\_TO\_DATE(order\_date, '%d-%m-%Y');

**alter** **table** pizza\_sales

**modify** **column** order\_date **date**;

**describe** pizza\_sales

**UPDATE** pizza\_sales

**SET** order\_time = STR\_TO\_DATE(order\_time, '%H:%i:%s');

**alter** **table** pizza\_sales

**modify** **column** order\_time **time**;

**Some additional queries**:

-- Create a new table with the same structure as pizza\_sales

**CREATE** **TABLE** pizza\_sales2 **LIKE** pizza\_sales;

-- Check the new table (will be empty)

**SELECT** \* **FROM** pizza\_sales2;

-- Insert all data from the original table into the new one

**INSERT** **INTO** pizza\_sales2

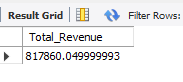
**SELECT** \* **FROM** pizza\_sales;

**KPI:**

**Exploratory Data Analysis (EDA):**

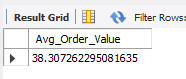
1. **Total Revenue:**

**Select** **sum**(total\_price) **as** Total\_Revenue **from** pizza\_sales



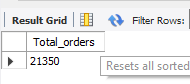
1. **Average Order Value:**

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



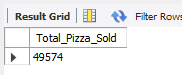
1. **Total Orders:**

**select** **count**(**distinct** order\_id) **AS** Total\_orders **from** pizza\_sales

****

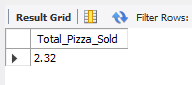
1. **Total Pizzas Sold:**

**select** **sum**(quantity) **AS** Total\_Pizza\_Sold **from** pizza\_sales



1. **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** Total\_Pizza\_Sold **from** pizza\_sales

****

1. **Daily Trend for Total Orders:**

**/\***

**Select** DAYNAME(order\_date) **as** order\_day, **count**(**distinct** order\_id) **as** total\_orders **from** pizza\_sales

**group** **by** DAYNAME(order\_date)

**SELECT**

DAYNAME(order\_date) **AS** order\_day,

**COUNT**(**DISTINCT** order\_id) **AS** total\_orders

**FROM**

pizza\_sales

**GROUP** **BY**

WEEKDAY(order\_date), DAYNAME(order\_date)

**ORDER** **BY**

WEEKDAY(order\_date);

\*/

**SELECT**

DAYNAME(order\_date) **AS** order\_day,

**COUNT**(**DISTINCT** order\_id) **AS** total\_orders

**FROM**

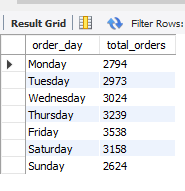
pizza\_sales

**GROUP** **BY**

order\_day, WEEKDAY(order\_date)

**ORDER** **BY**

WEEKDAY(order\_date);



1. **Monthly Trend for Orders:**

**Unordered:**

**SELECT**

monthname(order\_date) **AS** Month\_name,

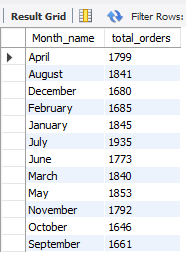
**COUNT**(**DISTINCT** order\_id) **AS** total\_orders

**FROM**

pizza\_sales

**GROUP** **BY**

monthname(order\_date)

****

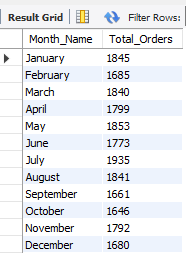
**Ordered:**

**SELECT** monthname(order\_date) **AS** Month\_Name, **COUNT**(**DISTINCT** order\_id) **AS** Total\_Orders

**FROM** pizza\_sales

**GROUP** **BY** **MONTH**(order\_date), monthname(order\_date)

**ORDER** **BY** **MONTH**(order\_date);



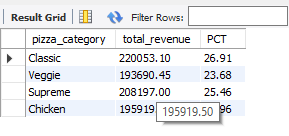
1. **% of Sales by Pizza Category:**

**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



-- First month

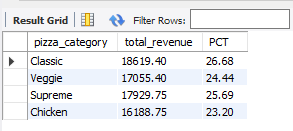
**SELECT** pizza\_category, CAST(**SUM**(total\_price) **AS** DECIMAL(10,2)) **as** total\_revenue,

CAST(**SUM**(total\_price) \* 100 / (**SELECT** **SUM**(total\_price) **from** pizza\_sales **where** month(order\_date)=1) **AS** DECIMAL(10,2)) **AS** PCT

**FROM** pizza\_sales

**where** month(order\_date)=1

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



**9. of Sales by Pizza Size:**

-- % of Sales by Pizza Size

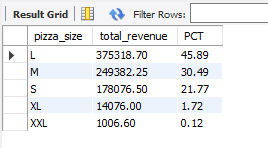
**SELECT** pizza\_size, CAST(**SUM**(total\_price) **AS** DECIMAL(10,2)) **as** total\_revenue,

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** PCT DESC



-- First quarter

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

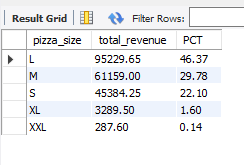
CAST(**SUM**(total\_price) \* 100 / (**SELECT** **SUM**(total\_price) **from** pizza\_sales **where** quarter(order\_date)=1) **AS** DECIMAL(10,2)) **AS** PCT

**FROM** pizza\_sales

**where** quarter(order\_date)=1

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

**Order** **by** PCT DESC



**10.Total Pizzas Sold by Pizza Category:**

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

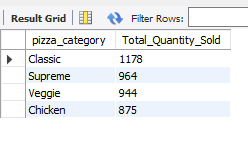
**FROM** pizza\_sales

**WHERE** MONTH(order\_date) = 2

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

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

**Top 5 Pizzas by Revenue**

****

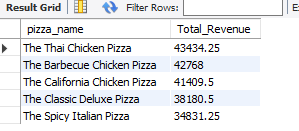
**11. Top 5 Pizzas by Revenue (Generic favouritism):**

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

**FROM** pizza\_sales

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

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



limit 5

**12. Bottom 5 Pizzas by Revenue:**

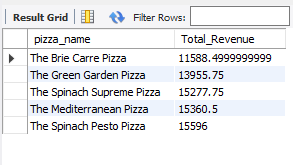
**SELECT** pizza\_name, **SUM**(total\_price) **AS** Total\_Revenue

**FROM** pizza\_sales

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

**ORDER** **BY** Total\_Revenue asc

limit 5



**13.Top 5 Pizzas by Total Orders(intensity indivdual favouritism indicator):**

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

**FROM** pizza\_sales

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

**ORDER** **BY** Total\_Orders DESC

limit 5

