

ZEPTO INVENTORY ANALYSIS SQL PROJECT :

All SQL Queries:

```
SELECT * FROM zepto_data;
```

-- CHECK NULLS

```
SELECT * FROM zepto_data  
WHERE Category IS NULL OR  
Name IS NULL OR  
Mrp IS NULL OR  
Discount_Percent IS NULL OR  
Available_Quantity IS NULL OR  
Discounted_SellingPrice IS NULL OR  
Weight_InGms IS NULL OR  
Out_of_Stock IS NULL OR  
Quantity IS NULL;
```

-- CHECK DISTINCT Categories and Product Names

```
SELECT DISTINCT Category  
FROM zepto_data;
```

```
SELECT DISTINCT Name  
FROM zepto_data;
```

-- OUT OF STOCK = Available VS Not Available

```
SELECT Out_of_Stock,
```

```
COUNT(*) AS Stocks  
FROM zepto_data  
GROUP BY Out_of_Stock  
-- 0 means Available -- 1 means Not available
```

-- Product Names present in Multiple times

```
SELECT  
    Name,  
    COUNT(*) AS No_count
```

```
FROM zepto_data  
GROUP BY Name  
ORDER BY No_count DESC
```

-- Data Cleaning

```
SELECT *  
FROM zepto_data  
WHERE Mrp = 0 AND Discounted_SellingPrice = 0;
```

```
DELETE FROM zepto_data  
WHERE Mrp = 0
```

-- Convert Paisa into Rupees

```
UPDATE zepto_data  
SET Mrp = Mrp/100.0,  
Discounted_SellingPrice = Discounted_SellingPrice/100.0
```

```
SELECT * FROM zepto_data;
```

-- Data Analysis : Business Questions

--Q1. Find the top 10 best value Products based on discount percent

```
SELECT TOP 10
```

```
    Name,  
    Discount_Percent,  
    Mrp
```

```
FROM zepto_data
```

```
ORDER BY Discount_Percent DESC
```

--Q2. What are the Products with High Mrp but Out of Stock

```
SELECT
```

```
    NAME,  
    Mrp
```

```
FROM zepto_data
```

```
WHERE Out_of_Stock = 0 AND Mrp >500
```

```
GROUP BY Name,Mrp
```

```
ORDER BY Mrp DESC
```

--Q3. Calculate the estimate Revenue for each category

```
SELECT TOP 5
```

```
    Category,  
    SUM(Discounted_SellingPrice * Available_Quantity) AS Total_Revenue  
FROM zepto_data
```

```
GROUP BY Category  
ORDER BY Total_Revenue DESC
```

--Q4. Find all Products where Mrp is greater than 500 and discount is less than 10 %

```
SELECT  
    Name,  
    Mrp,  
    Discount_Percent  
FROM zepto_data  
WHERE Mrp > 500 AND Discount_Percent < 10  
GROUP BY Name, Mrp, Discount_Percent  
ORDER BY Mrp DESC , Discount_Percent DESC
```

--Q5. Identify the top 5 Categories offering the highest average discount percentage

```
SELECT TOP 5  
    Category,  
    AVG(Discount_Percent) AS Avg_discount_percent  
FROM zepto_data  
GROUP BY Category  
ORDER BY Avg_discount_percent DESC
```

--Q6. Find the price per gram for products above 100 gram and sort by best value

```
SELECT TOP 10  
    Name,  
    Weight_InGms,  
    Discounted_SellingPrice,
```

```
Discounted_SellingPrice / Weight_InGms AS Price_per_gram  
FROM zepto_data  
WHERE Weight_InGms > 100  
ORDER BY Price_per_gram
```

--Q7. Group the Products into Categories like Low, Medium, Bulk

```
SELECT  
    Name,  
    Weight_InGms,  
    CASE  
        WHEN Weight_InGms < 1000 THEN 'Low'  
        WHEN Weight_InGms < 5000 THEN 'Medium'  
        ELSE 'Bulk'  
    END AS Weight_Category  
FROM zepto_data  
GROUP BY Name,Weight_InGms
```

--Q8. What is the Total Inventory weight per Category

```
SELECT  
    Category,  
    CAST(ROUND(SUM(Weight_InGms * Quantity)/1000.0,1) AS DECIMAL(10,2)) AS  
    Total_Inventory_weight_KG  
FROM zepto_data  
GROUP BY Category  
ORDER BY Total_Inventory_weight_KG DESC
```