CREATE TABLE zepto **(**

**sku\_id SERIAL PRIMARY KEY, category VARCHAR(120),**

**name VARCHAR(150) NOT NULL,**

**mrp NUMERIC(8,2),**

**discountPercent NUMERIC(5,2),**

**availableQuantity INTEGER,**

**discountedSellingPrice NUMERIC(8,2),**

**weightInGms INTEGER,**

**outOfStock BOOLEAN,**

**quantity INTEGER );**

**--count rows**

SELECT COUNT (\*) FROM zepto;

**--Limit 20**

SELECT \* FROM zepto

LIMIT 20;

**--check Null Values**

SELECT \* FROM zepto

where name Is NULL

Or category Is NULL

Or mrp Is NULL

Or discountpercent Is NULL

Or availablequantity Is NULL;

**-- product category**

Select category AS Product\_category FROM zepto

Group By Category;

**---products in stocks vs out of stock**

SELECT outofstock, count(sku\_id) FROM zepto

GROUP BY 1;

**--products present multiple times, representing different SKUs**  
SELECT name, COUNT(sku\_id) as number\_of\_SKUs

FROM zepto

GROUP BY 1

HAVING COUNT(sku\_id) > 1

ORDER BY COUNT(sku\_id) DESC;

**---Data cleaning--**

SELECT \* FROM zepto

where mrp= 0 or discountedSellingPrice= 0;

DELETE FROM zepto

WHERE mrp= 0;

**--convert paise to rupees**

UPDATE zepto

SET mrp= mrp/100.0,

discountedSellingPrice = discountedSellingPrice/100.0;

SELECT mrp, discountedSellingPrice FROM Zepto;

**---Found top 10 best-value products based on discount percentage**

SELECT DISTINCT name, mrp, discountpercent FROM zepto

ORDER BY discountpercent DESC

LIMIT 10;

**---Identified high-MRP products that are currently out of stock**

SELECT DISTINCT name, mrp FROM zepto

WHERE outofstock = TRUE and mrp > 200

ORDER BY mrp DESC;

**---Estimated potential revenue for each product category**

SELECT category,

SUM (discountedsellingprice \* availablequantity) AS estimated\_revenue

FROM zepto

GROUP BY 1

ORDER BY estimated\_revenue;

**--Filtered expensive products (MRP > ₹500) with minimal discount is less than 10**  
SELECT DISTINCT name, mrp, discountpercent FROM zepto

WHERE mrp > 500 AND discountpercent < 10

ORDER BY mrp DESC, discountpercent DESC;

**---Ranked top 5 categories offering highest average discounts**

SELECT category,

ROUND(AVG(discountpercent),2) As avg\_discount\_percent FROM zepto

GROUP BY 1

ORDER BY avg\_discount\_percent DESC

LIMIT 5;  
  
**---Calculated price per gram for Product above 100gms to identify value-for-money products**  
SELECT name, weightInGms, discountedSellingPrice,

ROUND(discountedSellingPrice/weightInGms,2) AS price\_per\_grm

FROM zepto

WHERE weightInGms >= 100

ORDER BY price\_per\_grm;  
  
**Grouped products based on weight into Low, Medium, and Bulk categories**

SELECT DISTINCT name, weightInGms,

CASE WHEN weightInGms < 1000 THEN 'low'

WHEN weightInGms < 5000 THEN 'Medium'

ELSE 'Bulk'  
END AS weight\_category FROM zepto;