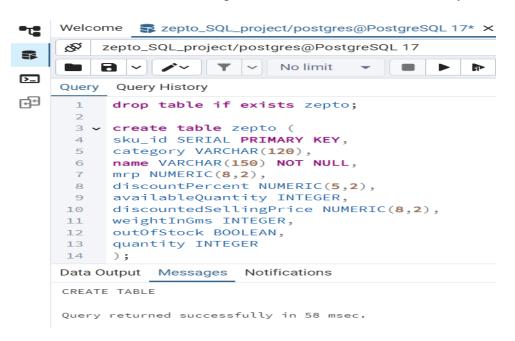
SCREENSHOTS OF OUTPUT

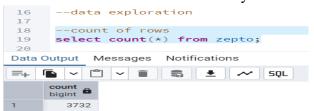
Table creation:

- A table named zepto is created with columns like sku_id, category, name, mrp, discountPercent, availableQuantity, discountedSellingPrice, weightInGms, outOfStock, quantity.
- This is meant to store product information similar to what you see on the Zepto app.



Data exploration:

1. Count of rows \rightarrow To check how many records are present in the table.



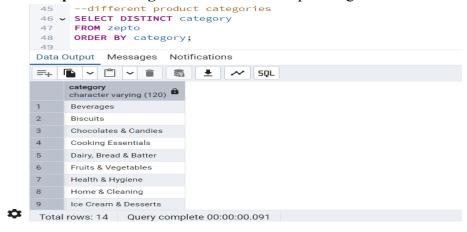
2. Sample data \rightarrow Display the first 10 rows for a quick look.



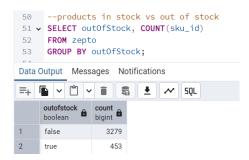
3. Null values \rightarrow Identify rows where important columns have missing data.



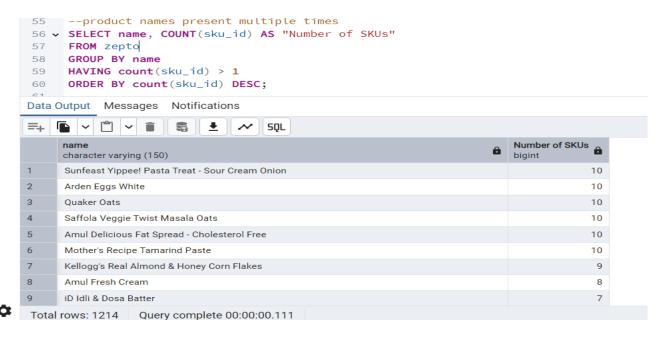
4. Different product categories \rightarrow Show all unique categories.



5. Products in stock vs out of stock \rightarrow Group products by stock availability.



6. Product names present multiple times \rightarrow Find duplicate product names with multiple SKUs.



Data cleaning:

1. Products with price = $0 \rightarrow$ Identify and delete invalid entries where mrp or discountedSellingPrice is zero.

```
--products with price = 0

SELECT * FROM zepto

WHERE mrp = 0 OR discountedSellingPrice = 0;

Belief From zepto

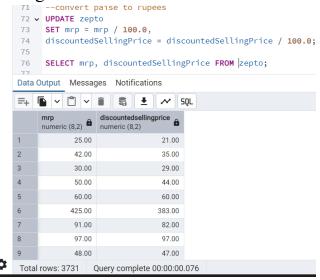
WHERE mrp = 0;

Data Output Messages Notifications

DELETE 0

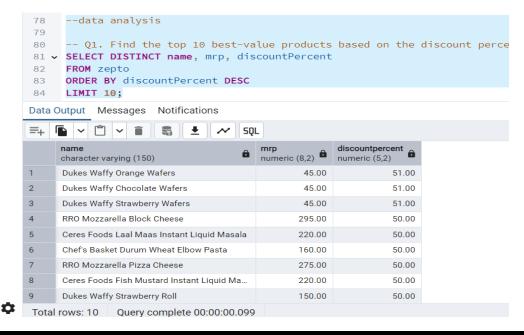
Query returned successfully in 52 msec.
```

2. Convert paise to rupees → Divide mrp and discountedSellingPrice by 100 to correct scaling issues.



Data analysis:

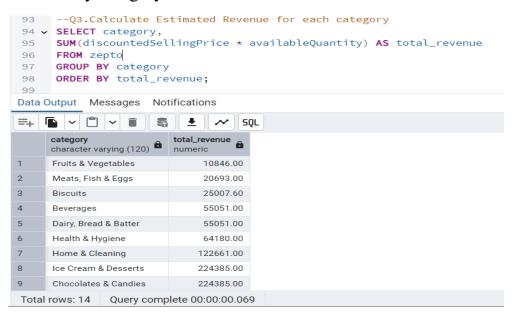
1. Top 10 best-value products → Find products with the highest discount percent.



2. High MRP but out of stock → Products costing more than ₹300 but currently unavailable.

```
--Q2.What are the Products with High MRP but Out of Stock
86
87
88 - SELECT DISTINCT name, mrp
89
       FROM zepto
       WHERE outOfStock = TRUE and mrp > 300
90
91
       ORDER BY mrp DESC;
92
Data Output Messages
                         Notifications
                                          SOL
=+
                                                        mrp
                                                        numeric (8,2)
      character varying (150)
      Patanjali Cow's Ghee
                                                                565.00
      MamyPoko Pants Standard Diapers, Extra Large (12 - 17 kg)
                                                                399.00
3
      Aashirvaad Atta With Mutigrains
                                                                315.00
4
      Everest Kashmiri Lal Chilli Powder
                                                                310.00
```

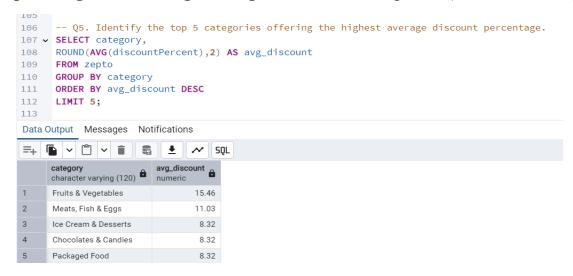
3. Estimated revenue per category \rightarrow discountedSellingPrice \times availableQuantity summed by category.



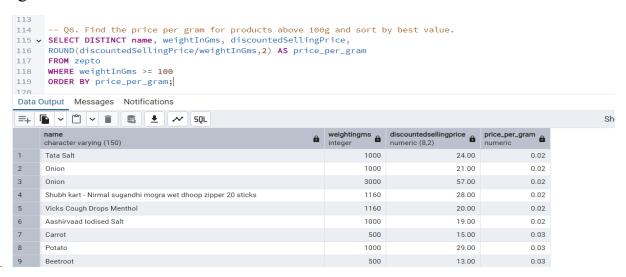
4. MRP > 500 and discount < 10% \rightarrow Expensive products with very little discount.

```
-- Q4. Find all products where MRP is greater than ₹500 and discount is less than 10%.
100
101 	✓ SELECT DISTINCT name, mrp, discountPercent
102 FROM zepto
       WHERE mrp > 500 AND discountPercent < 10
103
       ORDER BY mrp DESC, discountPercent DESC;
Data Output Messages Notifications
     <u>*</u> ~
=+
                                         SQL
                                                                                     discountpercent
                                                                      numeric (8,2)
      character varying (150)
1
      Dhara Kachi Ghani Mustard Oil Jar
                                                                             1250.00
                                                                                                 8.00
2
      Saffola Gold (Jar)
                                                                             1240.00
                                                                                                 0.00
3
      Dhara Filtered Groundnut Oil (Jar)
                                                                             1050.00
                                                                                                 1.00
4
      Fortune Rice Bran Health Oil (Jar)
                                                                             1050.00
                                                                                                 1.00
      Dhara Filtered Groundnut Oil (Jar)
                                                                             1050.00
                                                                                                 0.00
6
      Fortune Soyabean Oil
                                                                             1005.00
                                                                                                 0.00
7
      Fortune Sunlite Refined Sunflower (Jar)
                                                                              925.00
                                                                                                 0.00
8
      Surf Excel Matic Powder Front Load
                                                                              810.00
                                                                                                 7.00
     Surf Excel Matic Top Load
                                                                              720.00
                                                                                                 9.00
```

5. Top 5 categories with highest avg discount \rightarrow Using AVG(discountPercent).



6. Price per gram → Calculate discountedSellingPrice ÷ weightInGms for products above 100g.



7. Group products into Low / Medium / Bulk \rightarrow Based on weight:

```
\circ <1000 g = Low
```

$$\circ$$
 <5000 g = Medium

$$\circ$$
 ≥5000 g = Bulk

121	O7.Group the products into categories like Low, Medium, Bul	L.	
	SELECT DISTINCT name, weightInGms,		
123	CASE WHEN weightInGms < 1000 THEN 'Low'		
124	WHEN weightInGms < 5000 THEN 'Medium'		
125	ELSE 'Bulk'		
126	END AS weight_category		
127	FROM zepto;		
128			
Data (Output Messages Notifications		
= + I	• ∨ 🕆 ∨ • \$ ± № 5QL		
	name character varying (150)	weightingms integer	weight_category text
1	Popular Essentials Poppy Seeds (Gasagase)	100	Low
2	Origami Kitchen Towels 2 In 1 Quilted 2ply	116	Low
3	Origami Good Karma Paper Serviettes - 100 napkins (1 ply)	58	Low
4	Johnson's Baby Top To Toe Bath Body Wash	210	Low
5	Harpic Hygienic Toilet Cleaner Rim Block Citrus	26	Low
6	Lizol Disinfectant Surface & Floor Cleaner Liquid Jasmine	500	Low
7	Sapota	348	Low
	Britannia Treart Creme Wafers Chocolate	60	Low
8			
9	Popular Essentials Dhania (Coriander Seeds)	200	Low

8. Total inventory weight per category \rightarrow

Calculate SUM(weightInGms × availableQuantity) to see how heavy the stock is for each category.

