#### Data Analysis Online Retail Sales

Flipmart

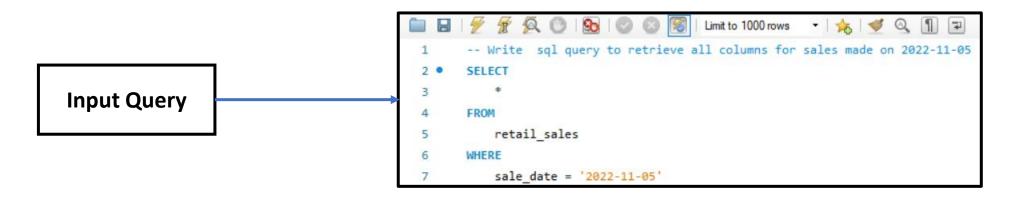
Flip Mart Dataset

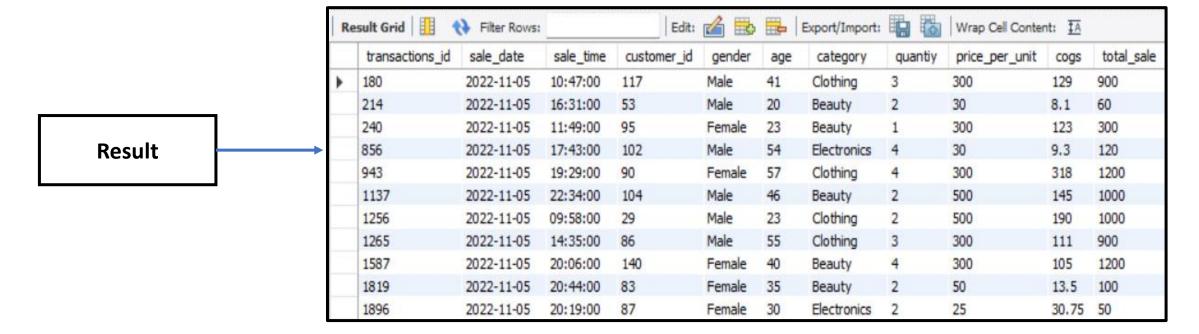
**SQL** Analysis

#### **SQL Question Addressed:**

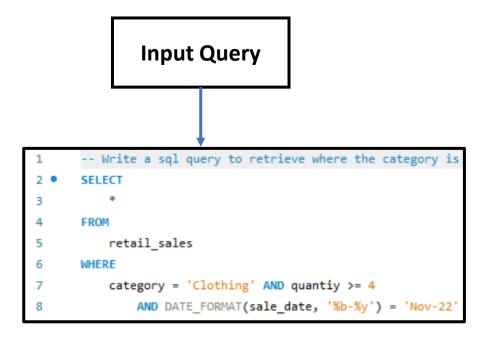
- 1. Write a SQL query to retrieve all columns for sales made on '2022-11-05'.
- 2. Write a SQL query to retrieve all transactions where the category is 'Clothing' and the quantity sold is equal or more than 4 in the month of 'Nov-22'.
- 3. Write a SQL query to calculate the total sales for each category.
- Write a SQL query to find the average age of customers who purchased items from 'Beauty'
  category.
- 5. Write a SQL query to find all transactions where the total sales is greater than 1000.
- 6. Write a SQL query to find the total number of transactions made by each gender in each category.
- 7. Write a SQL query to calculate the average sale of each month. Find out best selling month in each year.
- 8. Write a SQL query to find the top 5 customers based on the highest total sales.
- Write a SQL query to find the number of unique customers who purchased items from each category.
- 10. Write a SQL query to create each shift and number of orders (Example Morning <= 12, Afternoon Between 12 and 17, Evening < 17).

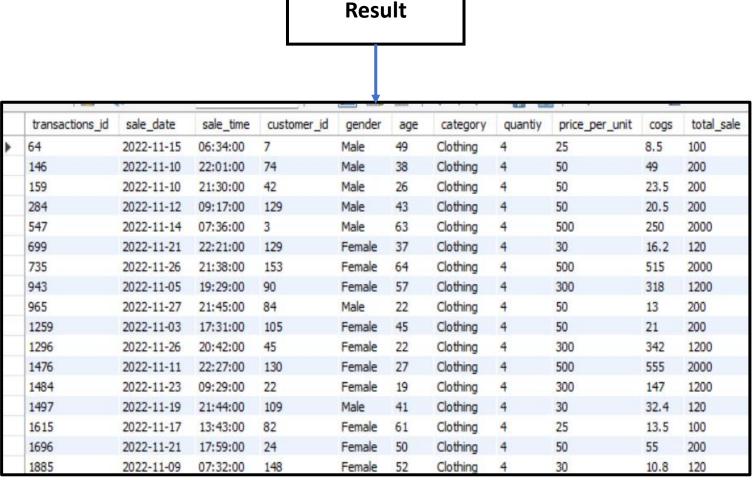
#### 1. Write a SQL query to retrieve all columns for sales made on '2022-11-05'.



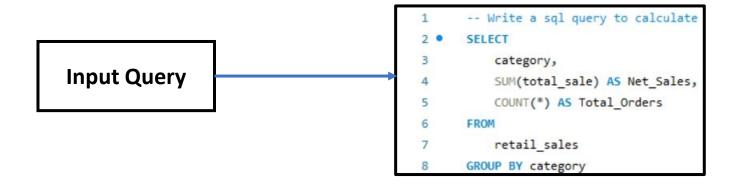


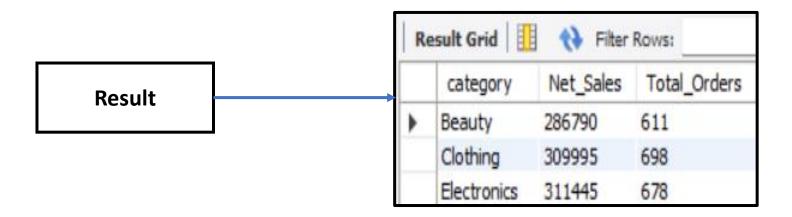
2. Write a SQL query to retrieve all transactions where the category is 'Clothing' and the quantity sold is equal or more than 4 in the month of 'Nov-22'.



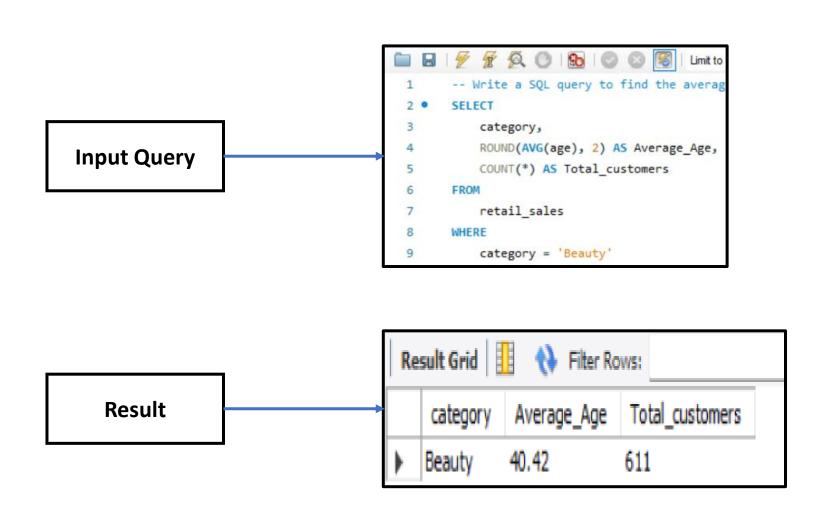


# 3. Write a SQL query to calculate the total sales for each category.

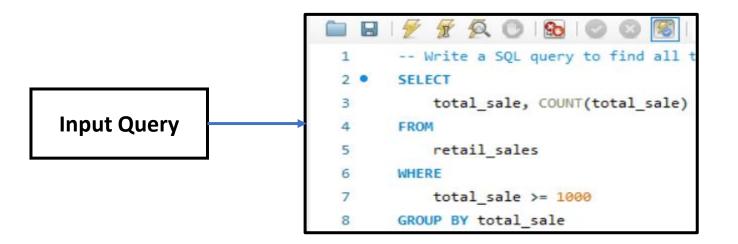


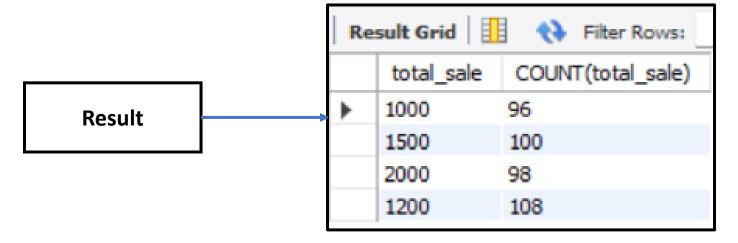


### 4. Write a SQL query to find the average age of customers who purchased items from 'Beauty' category.

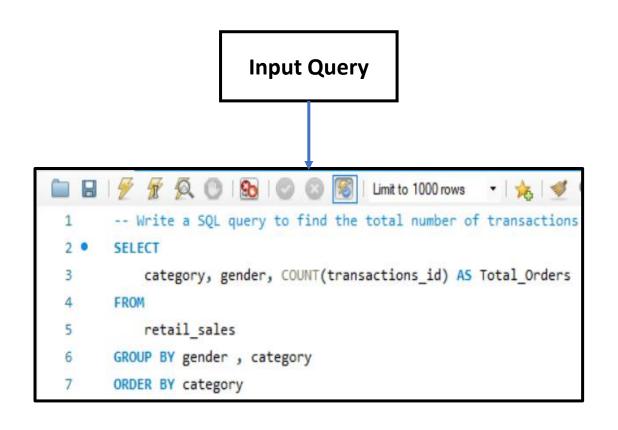


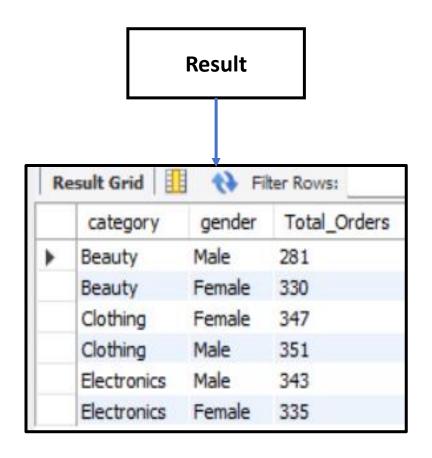
### 5. Write a SQL query to find all transactions where the total sales is greater than 1000.





## 6. Write a SQL query to find the total number of transactions made by each gender in each category.





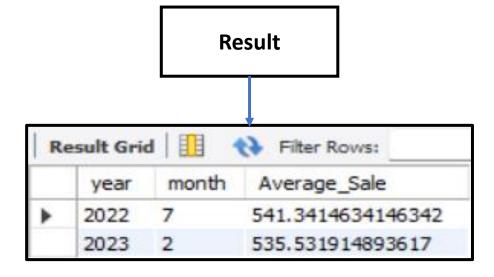
#### Write a SQL query to calculate the average sale of each month. Find out best selling month in each year.

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Input Query

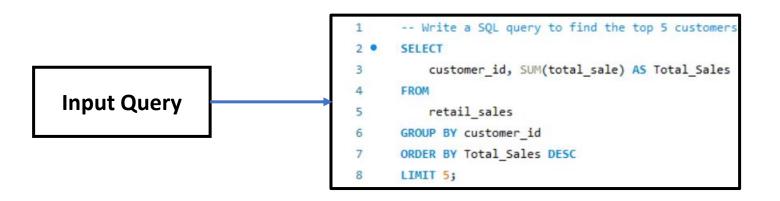
Input Query

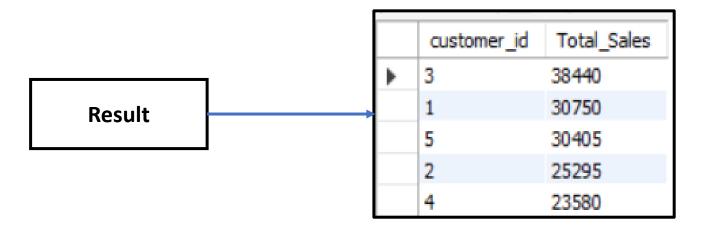
Imput Query

Imput
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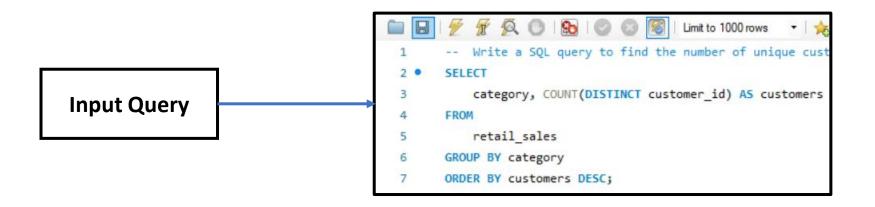


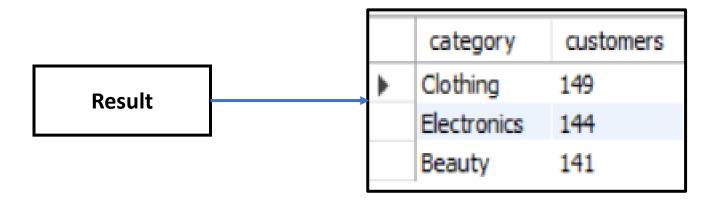
### 8. Write a SQL query to find the top 5 customers based on the highest total sales.





#### Write a SQL query to find the number of unique customers who purchased items from each category.





10. Write a SQL query to create each shift and number of orders (Example Morning <= 12, Afternoon Between 12 and 17, Evening < 17).

