

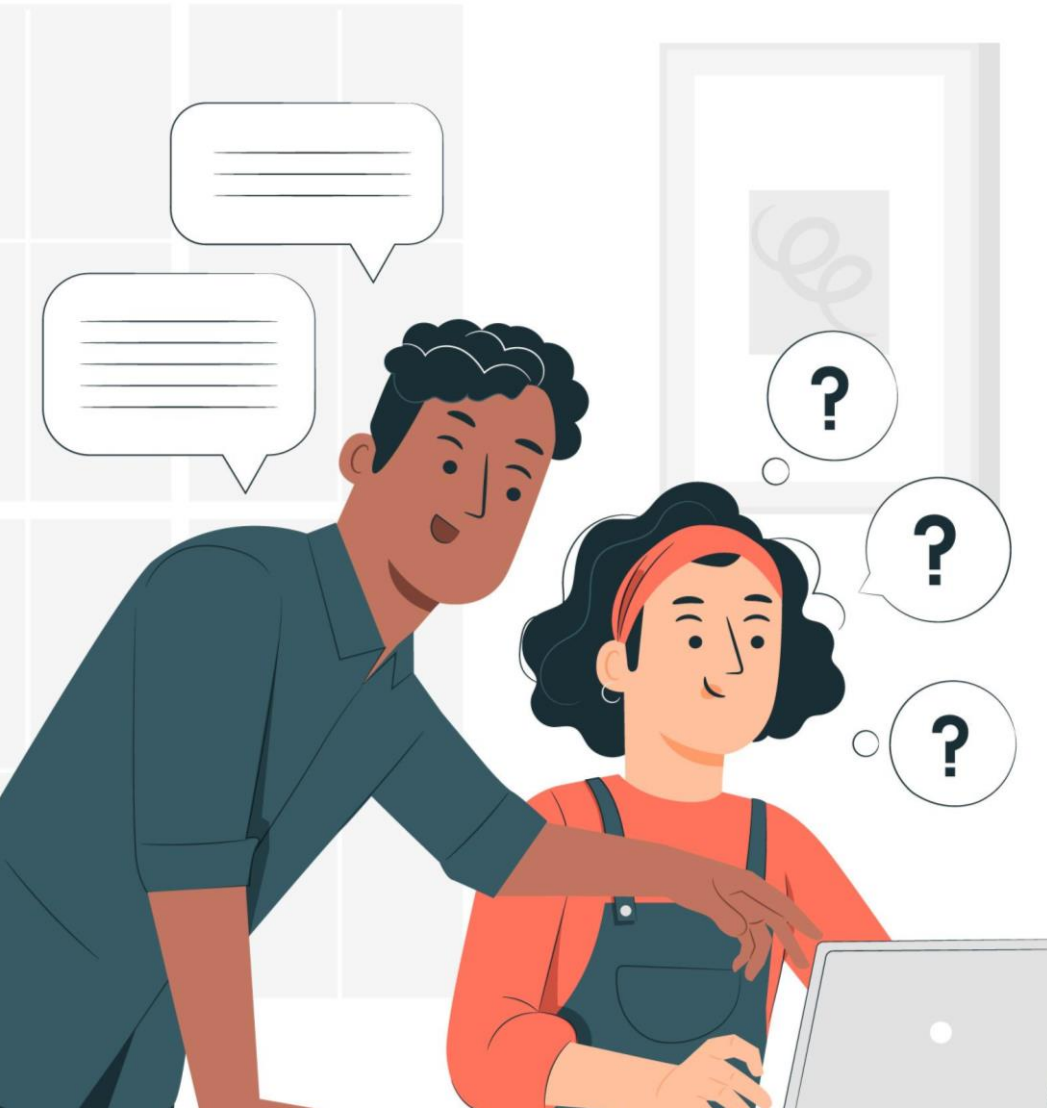


**SM- STORES**

**SM-Stores** are a renowned retail company committed to providing high quality products. Their mission is to meet the diverse needs and preferences of customers through an extensive range of merchandise and outstanding customer service. SM-Stores has properties scattered across different cities in the United States. They require an understanding of their status to better plan for future endeavors.

**You have been contacted as a Data Scientist Consultant to provide answers to the following questions.**





# DATA DICTIONARY

## Orders Table;

OrderID: The unique identifier or ID of each order.

OrderDate: The date the order was placed.

PropertyID: The unique identifier or ID of each property.

ProductID: The unique identifier or ID of each product.

Quantity: The quantity of products ordered.

## Products Table;

ProductID: The unique identifier or ID of each product.

ProductName: The name of the product.

ProductCategory: The category which each product belongs to.

Price: The unit-price of each product.

## Property-Info Table;

PropID: The unique identifier or ID of each property.

PropertyCity: The name of the city where the property is located.

PropertyState: The name of the state where the property is located.



# TAILORED DATA ANALYTICS

Using the data, answer the following questions

1. *How many records are in SM-Stores Orders table*
2. *How many Cities do SM-stores have properties in.*
3. *How many orders were placed in each date stated in the orders table.*
4. *Return all records where the quantity purchased is above 5.*
5. *A customer has requested for a refund claiming they procured goods from our store. Provide all the details of this order if the OrderID is = '3896'*
6. *Can you process the number of orders we had in each year of SM-stores data.*
7. *Which category is the most frequented in the year 2015.*
8. *Which category has the highest sales in the year 2016.*
9. *Which State has the most goods ordered. Return the state where sales >25000.*
10. *What is the cost of a 'Coffee Maker' located in Texas.*



# TAILORED DATA ANALYTICS

Using the data, answer the following questions

11. *What are the product categories with a product id spanning 10 to 30.*
12. *How many products start with the letter 'D'.*
13. *Find the name and category, property city and state of the product with a productid of 105*
14. a). *Find all orders for 'Permanent Markers', 'Sticky Notes' and 'Note Pads'*  
b). *Find the number of 'Permanent Markers', 'Sticky Notes' and 'Note Pads' ordered for year 2015.*
15. *SM-stores wants to re-evaluate the prices of their goods, provide a list of their products, categories and the corresponding prices. Group their products into cheap(<\$50), affordable(<\$100), expensive. Find the number of products in each category.*

