## **SQL SALES ANALYSIS**







- Project Objectives
- Basic Queries
- Conditional Queries
- Aggregate Queries
- Group and Filter
  Queries
- Advance Queries
- Windows Function
- Conclusions





### Introduction

#### **Customer Sale Data:**

Here a table consist of 19 columns and 3900 rows. Here all 19 columns are Age,Gender,Item\_Purchased,Category,Purchase\_Amount,Location,Size, Color,Season,Review\_Rating, Subscription\_Status, Payment\_Method, Shipping\_Type,Discount\_Applied,Promo\_Code, Previous\_Purchases,Preferred\_Payment\_Method, Frequency\_of\_Purchases

#### **Netails**

The name of DataBase is shop and Table name is shopping Example In SQL Workbench: shop.shopping







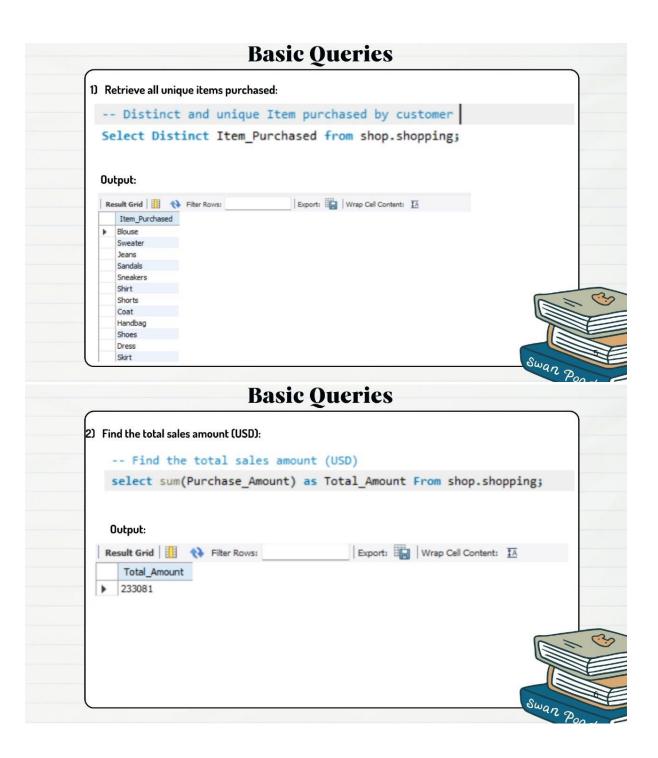
# **Project Objectives**

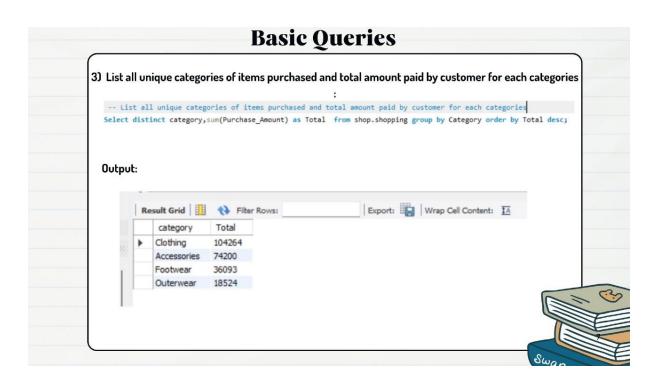


"The main objective of this project is to analyze customer sales data to identify key trends in purchase behavior, seasonal performance, category revenue contribution, and promotional effectiveness. The findings aim to support strategic decisions in marketing, inventory management, and customer engagement."

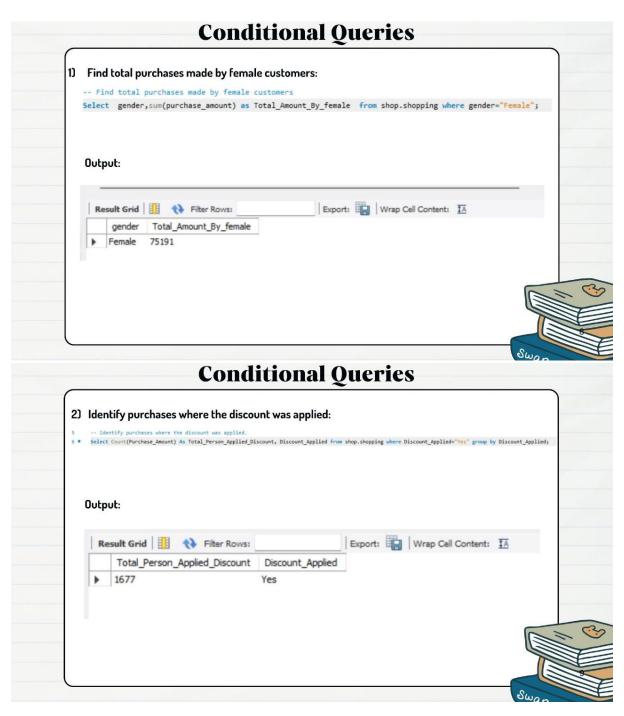


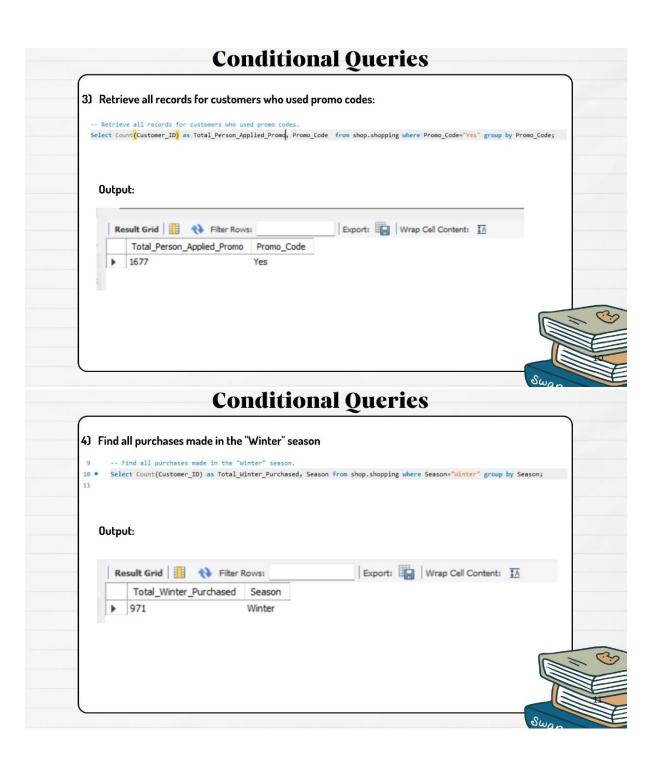
# **BASIC QUERIES**



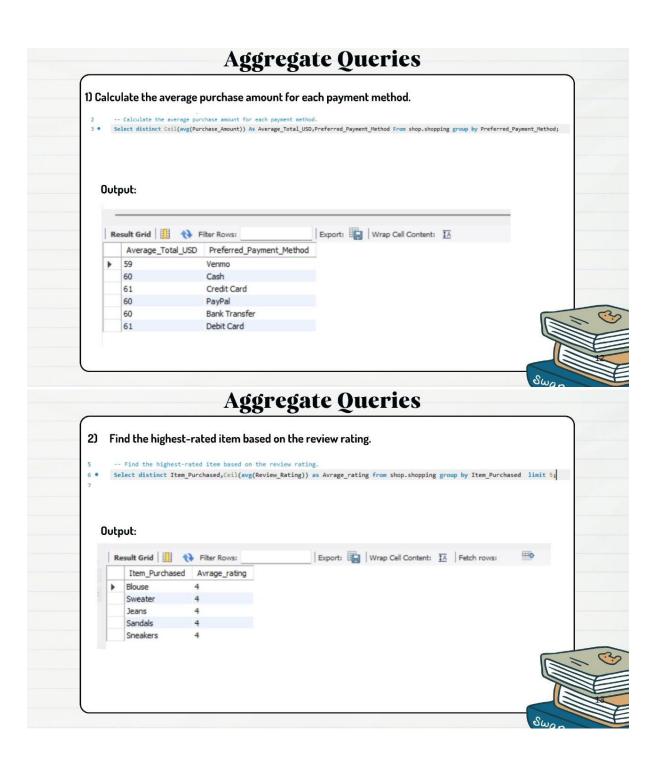


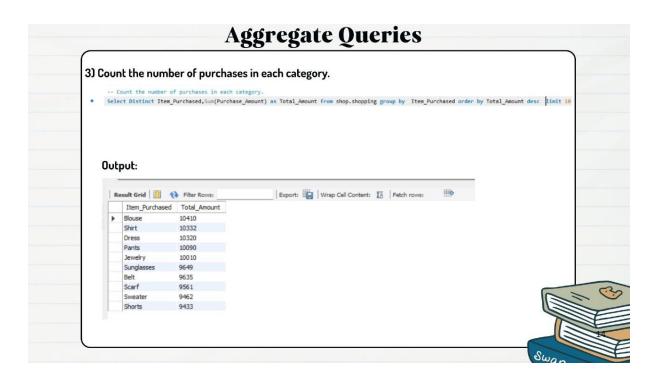
## **CONDITIONAL QUERIES**



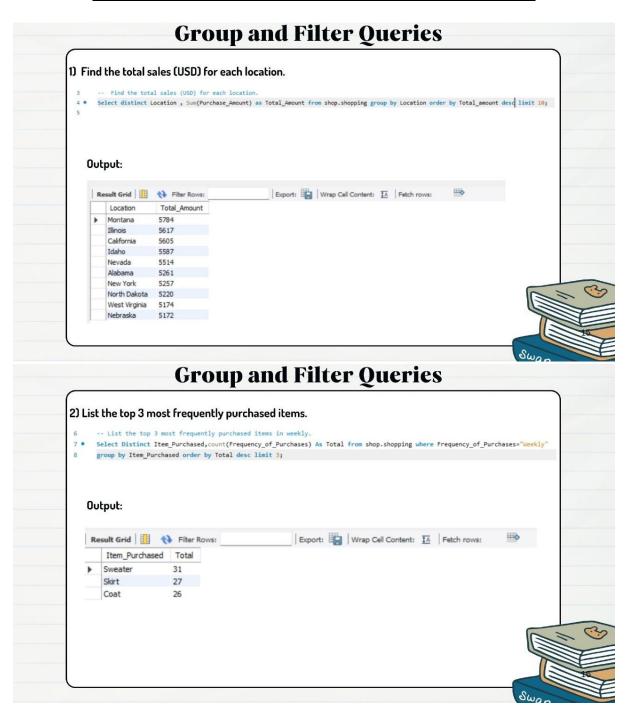


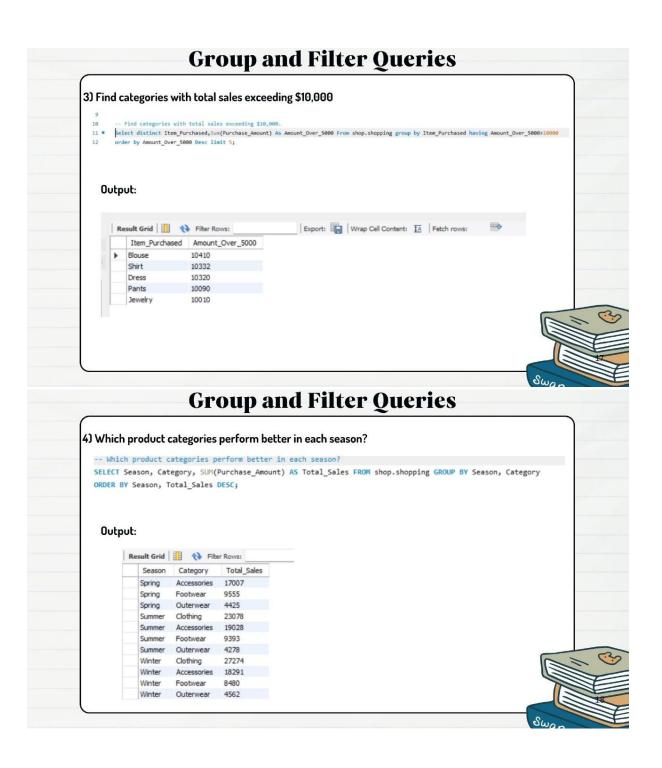
# **AGGREGATE QUERIES**



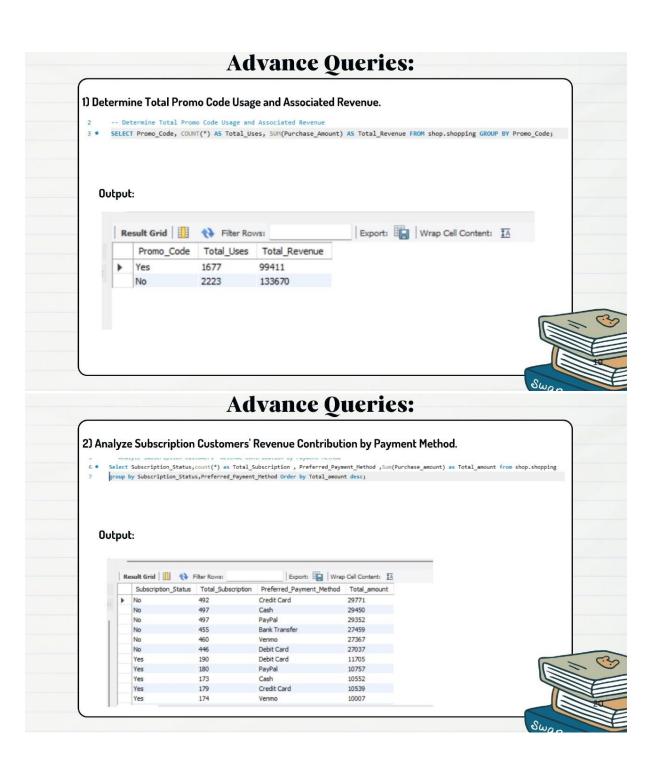


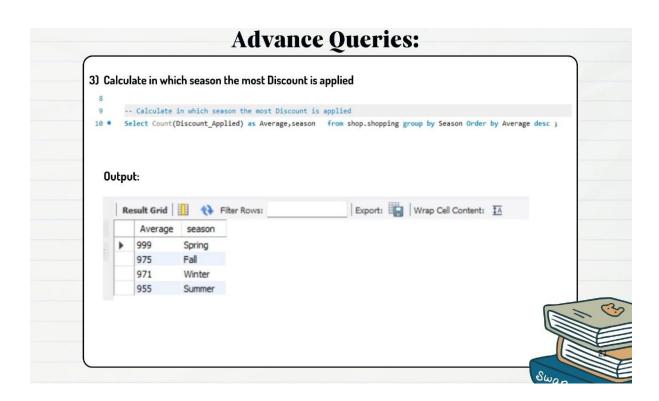
## **GROUP AND FILTER QUERIES**



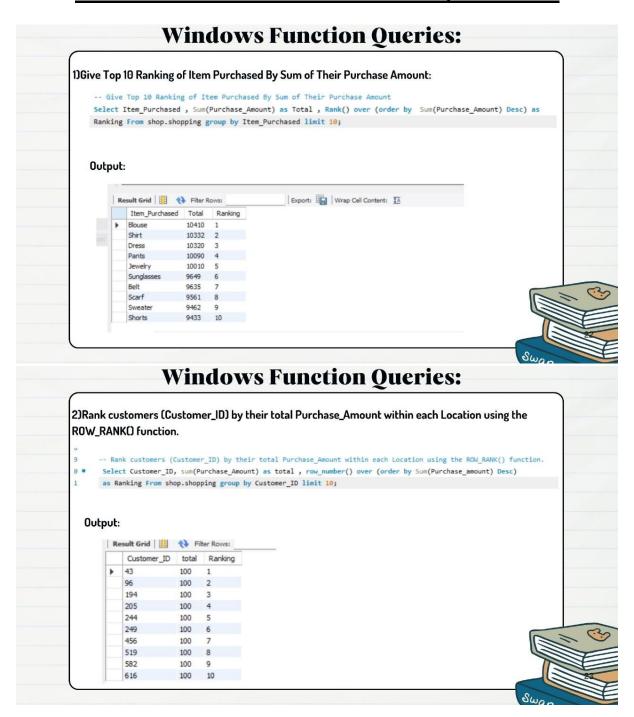


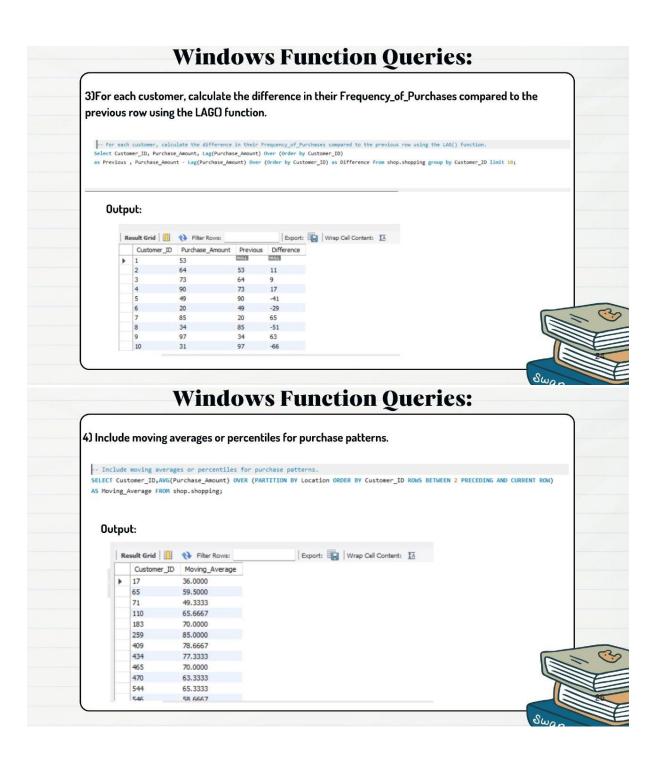
# **ADVANCE QUERIES**





## **WINDOWS FUNCTION QUERIES**





## **CONCLUSION**

### **Conclusions**

#### In conclusion we come with following analysis:

- In Spring Season there is more sales and in Summer Season there is comparitively less.
- The Sum of total Purchase is \$233081 and from that there is \$75191 amount is spent by Female Gender and \$157890 amount is spent by Male Genders.
- There are Four Category In which items get purchased and among them the most revenue is generated by Clothing \$104264 and the least one is Outerwear Category with total revenue of \$18524.
- Among 3,900 customers, only 1,677 used promo codes, indicating a 43% adoption rate. This highlights an opportunity to improve promotional awareness. Promo code usage is low (43%). Improve awareness through targeted email campaigns or app notifications.
- · Here Most Items purchased is at Montana and Illinois locations and least Item purchased is made by West Virgiria and Nebrask.

26

To Be Continued....

### **Conclusions**

#### In conclusion we come with following analysis:

- The Top 3 Most frequently Buy Item was Sweater, Skirt and Coat . This can be related because all locations present in table has average of 13°C temperature .
- Clothing generates the highest revenue \$104,264. Consider increasing inventory or promotions for this category during the Spring season, which sees peak sales.

## **Conclusions**

### Summary of your project's key metrics:

Metric	Value	Insight
Total Revenue	\$233,081	Optimize strategies for seasonal peaks
Top Category	Clothing (\$104,264)	Focus inventory and promotion on top items.
Promo Code Usage	43%	Boost awareness through targeted campaigns.
Top Location	Montana	Maintain stock and engage high value areas.
Low Location	West Virginia	Deploy location specific promotions.
Popular Items	Sweater, Skirt	Align stock with demand in colder seasons.
Peak Season	Spring	Maximize advertising and stock strategies.

