**SQL Project**

**Table Analysis**

1. Create A table with below column names using constraints.

Row\_ID, Order\_ID, Order\_Date, Ship\_Date, Ship\_Mode, Customer\_ID, Customer\_Name, Segment, Country, City, State, Postal\_Code, Region, Product\_ID, Category, Sub\_Category, Product\_Name, Sales, Quantity, Discount, Profit, Discount\_amount, Years, Customer\_Duration, Returned\_Items, Return\_Reason.

1. Check the raw table
2. Import the data which was given
3. First dataset look
4. Database size
5. Table size
6. Dataset Information with your words
7. Row count of data
8. Column count of data
9. Check dataset information
10. Get column names of data
11. Get columns names with data type of data
12. Check null values of store data (use nested query)
13. Drop unnecessary columns like row id
14. Check the count of united states

**Product Level Analysis**

1. What are the unique product categories?
2. What is the number of products in each category?
3. Find the number of Subcategories products that are divided.
4. Find the number of products in each sub-category.
5. Find the number of unique product names.
6. Which are the Top 10 Products that are ordered frequently?
7. Calculate the cost for each Order\_ID with respective Product Name
8. Calculate % profit for each Order\_ID with respective Product Name.
9. Calculate the overall profit of the store.
10. Calculate percentage profit and group by them with Product Name and Order\_Id.
11. Where can we trim some loses? In Which products? We can do this by calculating the average sales and profits, and comparing the values to that average. If the sales or profits are below average, then they are not best sellers and can be analysed deeper to see if it’s worth selling them anymore.
12. Average sales per sub-cat
13. Average profit per sub-cat

**Customer Level Analysis**

1. What is the number of unique customer IDs?
2. Find those customers who registered during 2014-2016.
3. Calculate Total Frequency of each order id by each customer Name in descending order.
4. Calculate cost of each customer name.
5. Display No of Customers in each region in descending order.
6. Find Top 10 customers who order frequently.
7. Display the records for customers who live in state California and Have postal code 90032.
8. Find Top 20 Customers who benefitted the store.
9. Which state(s) is the superstore most succesful in? Least? Top 10 results.

**Order level Analysis**

1. number of unique orders
2. Find Sum Total Sales of Superstore.
3. Calculate the time taken for an order to ship and converting the no. of days in int format. (Show 20)
4. Extract the year for respective order ID and Customer ID with quantity.
5. What is the Sales impact? (Show 20).
6. Find Top 10 Categories (with the addition of best sub-category within the category).
7. Find Top 10 Sub-Categories.
8. Find Worst 10 Categories.
9. Find Worst 10 Sub-Categories.

**Return Level Analysis**

1. Find the number of returned orders.
2. Find Top 10 Returned Categories.
3. Find Top 10 Returned Sub-Categories.
4. Find Top 10 Customers Returned Frequently.
5. Find Top 20 cities and states having higher return.
6. Check whether new customers are returning higher or not (show 20)
7. Find Top Reasons for returning.