**Assignment:- 05**

**SELECTION COMMANDS:- (FILTERING):- in, like, between**

1. Create a Supermart\_DB with the tables created from the datasets shared (Customer.csv, Sales.csv and Product.csv files)
2. Define the relationship between the tables using constraints/keys.
3. In the database Supermart \_DB, find the following:
4. Get the list of all the cities where the region is north or east without any duplicates using IN statement.
5. Get the list of all orders where the ‘sales’ value is between 100 and 500 using the BETWEEN operator.
6. Get the list of customers whose last name contains only 4 characters using LIKE.

**SELECTION COMMANDS:- ordering**

1. Retrieve all orders where the ‘discount’ value is greater than zero ordered in descending order basis ‘discount’ value
2. Limit the number of results in the above query to the top 10.

**Aggregate commands:-**

1. Find the sum of all ‘sales’ values.
2. Find count of the number of customers in the north region with ages between 20 and 30
3. Find the average age of east region customers
4. Find the minimum and maximum aged customers from Philadelphia

**GROUP BY COMMANDS:-**

1. Make a dashboard showing the following figures for each product ID
2. Total sales (in $) order by this column in descending
3. Total sales quantity
4. The number of orders
5. Max Sales value
6. Min Sales value
7. Average sales value
8. Get the list of product ID’s where the quantity of product sold is greater than 10

**Order by & limit:-**

1. Retrieve all orders where ‘discount’ value is greater than Zero ordered in descending order basis ‘discount’

Value.

1. Limit the number of results in above query to top 10.