**Instructions:**

Please share your answers filled in line in the Word document. Submit code separately wherever applicable.

Please ensure you update all the details:

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_ Batch ID:** \_\_\_\_\_\_\_\_\_\_\_

**Topic: Introduction to Database**

1. Create a Supermart\_DB with the tables created from the datasets shared (Customer.csv, Sales.csv and Product.csv files)
   1. Create a new database in your database management system, and name it Supermart\_DB.
   2. Create a new table called "customers" in the Supermart\_DB database
   3. Load the data from the Customer.csv file into the customers table
   4. Create a new table called "products" in the Supermart\_DB database
   5. Load the data from the Product.csv file into the products table
   6. Create a new table called "sales" in the Supermart\_DB database
   7. Load the data from the Sales.csv file into the sales table

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

**Note:** use products, customers and sales table

1. Define the relationship between the tables using constraints/keys.
2. In the database Supermart \_DB, find the following:
3. Get the list of all the cities where the region is north or east without any duplicates using the IN statement.
4. Get the list of all orders where the ‘sales’ value is between 100 and 500 using the BETWEEN operator.
5. Get the list of customers whose last name contains only 4 characters using LIKE.

**SELECTION OPERATORS:- 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 operators:-**

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 OPERATORS:-**

1. Create a display with the information below 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