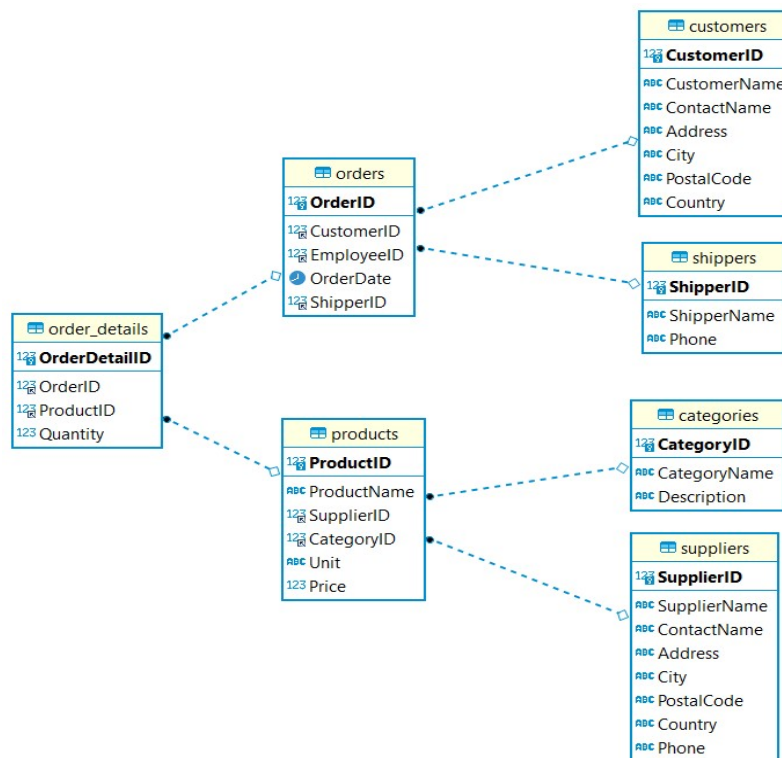# Big Data Tools for Managers
Dept. of MBA, Siddaganga Institute of Technology-Tumkur

Below is the shopping dataset; this exercise makes you familiar with Join, Group By, View in MySQL table.

Download Shopping dataset from below link:

Link-1 : https://raw.githubusercontent.com/sitmbadept/sitmbadept.github.io/main/BDTM/SQL/bdtm.sql
            OR
Link-2 : https://drive.google.com/file/d/18gRCY5Yp-8y16jS51wiFGLnTLrP2uHve

Write SQL Code for following Statements.

1. Import Shopping data into MySQL…ignore this step if you imported already.
2. Show table names
3. Join Order details table with Orders table & Customer Table
4. Join Orders table with Shipping table to get shipper name
5. Display the total order qty by customer name
6. Display the total order qty by supplier name
7. Display maximum unit sold product name
8. Create a view to display join between Orders & Customer Table

1. Import dataset

Import data using Navigation Bar
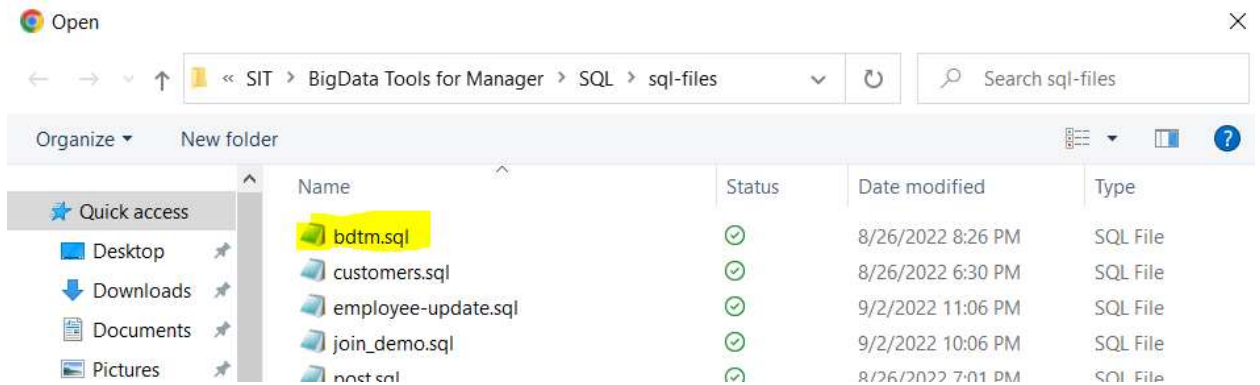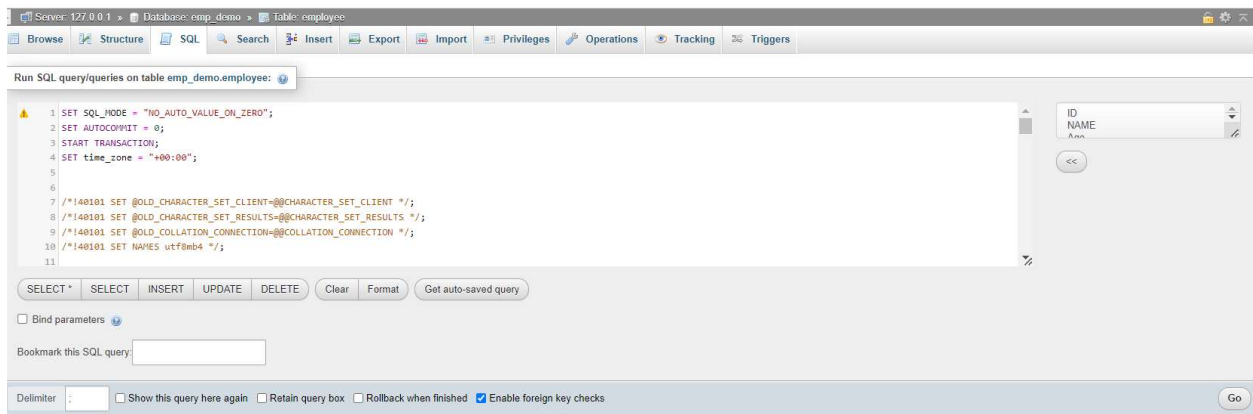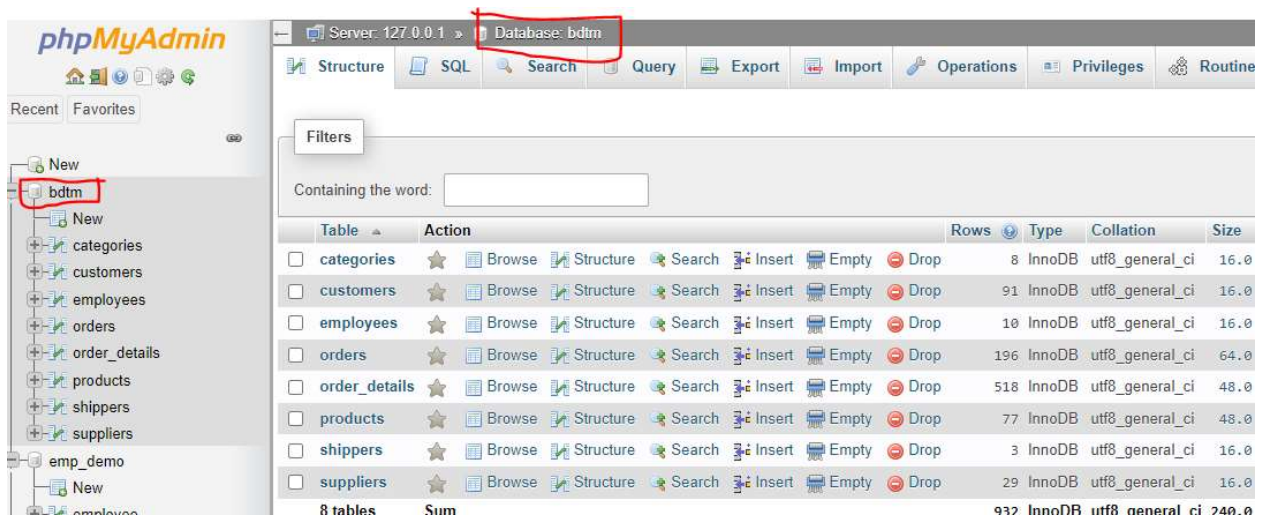

Click on Open after selecting bdtm.sql file

Option-2:

Copy the SQL code from above given link and paste in SQL window

After importing database, select bdtm database in phpmyadmin

2. Show table names
    ```
    SHOW TABLES;
    ```

3. Join Order details , Orders table & Customer Tables

    ```
    SELECT order_details.*,
    orders.*,
    customers.*
    FROM order_details
    LEFT JOIN orders ON order_details.OrderID = orders.OrderID
    LEFT JOIN customers ON orders.CustomerID = customers.CustomerID;
    ```

4. Join Orders table with Shipping table to get shipper name
    ```
    SELECT orders.*, shippers.ShipperName, shippers.Phone FROM orders
    LEFT JOIN shippers ON orders.ShipperID = shippers.ShipperID;
    ```

5. Display the total order qty by customer name
    ```
    SELECT CustomerName, SUM(Quantity)
    FROM order_details
    LEFT JOIN orders ON order_details.OrderID=orders.OrderID
    LEFT JOIN customers ON orders.CustomerID = customers.CustomerID
    GROUP BY CustomerName;
    ```

6. Display the total order qty by supplier name
    ```
    SELECT SupplierName, sum(Quantity)
    FROM order_details
    LEFT JOIN products ON order_details.ProductID = products.ProductID
    LEFT JOIN suppliers ON suppliers.SupplierID = products.SupplierID
    GROUP BY SupplierName;
    ```

7. Display maximum unit sold product name
    ```
    SELECT ProductName, MAX(Quantity)
    FROM order_details
    LEFT JOIN products ON order_details.ProductID = products.ProductID;
    ```

9. Create a view to display join between Orders & Customer Table
    ```
    CREATE VIEW customer_order AS
    SELECT orders.*, customers.CustomerName, customers.Address, customers.City,
    customers.Country FROM orders
    LEFT JOIN customers ON customers.CustomerID = orders.CustomerID;
    ```

    Display join data using view
    ```
    SELECT * FROM customer_order;
    ```