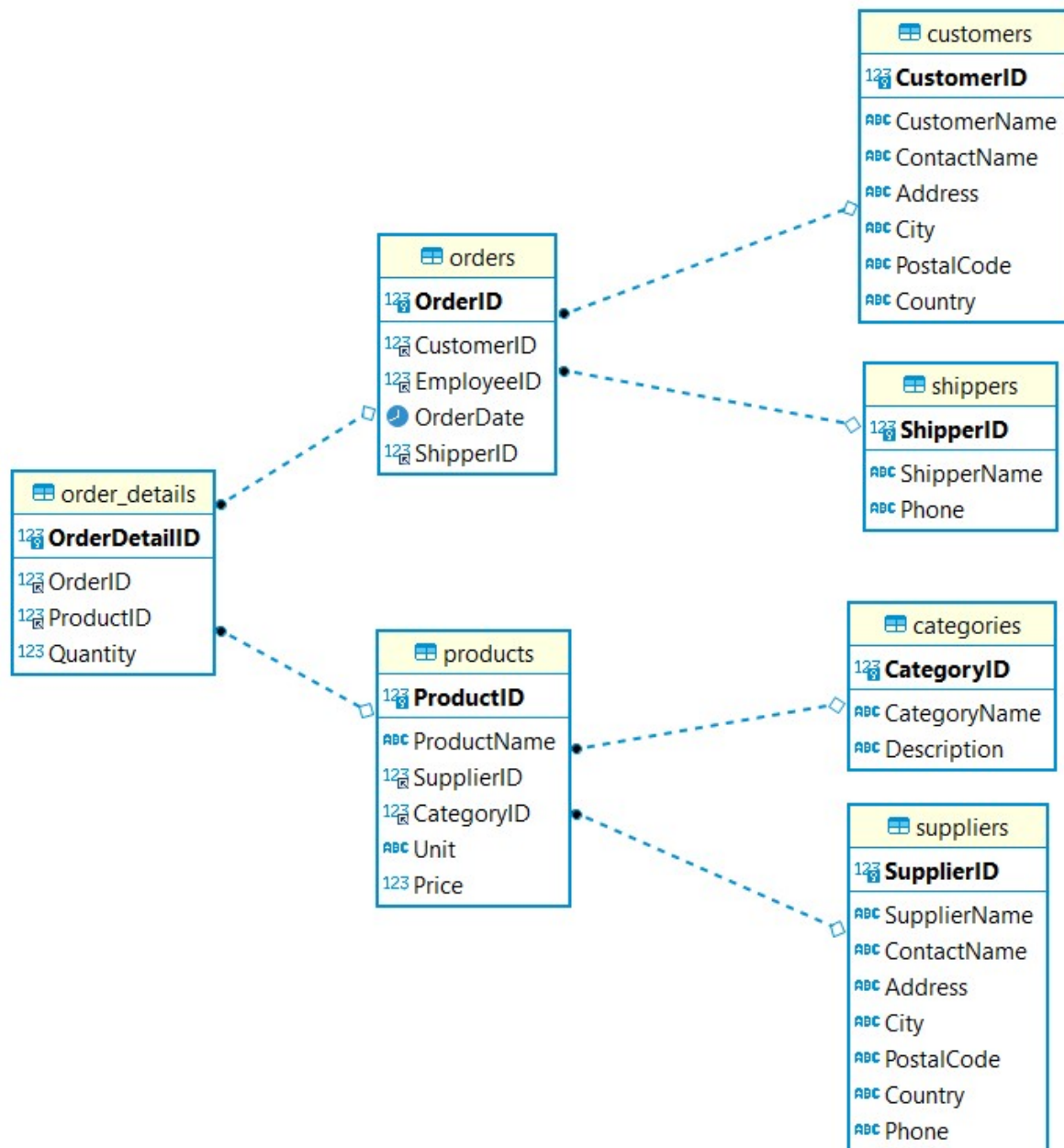# Big Data Tools for Managers
Dept. of MBA, Siddaganga Institute of Technology-Tumkur

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

Download Shopping dataset from below link:

https://bit.ly/3AJdcRh

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
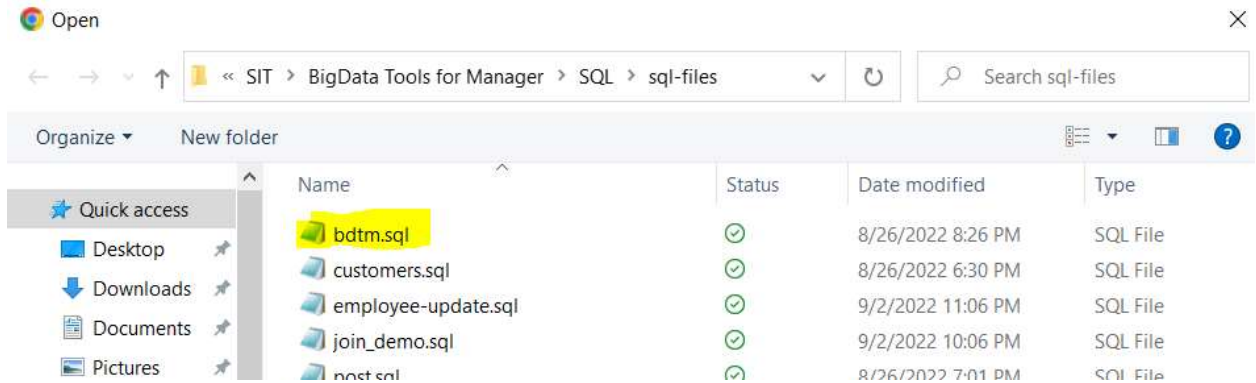
Click on Open after selecting bdtm.sql file

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;

SELECT * FROM customer_order;
```