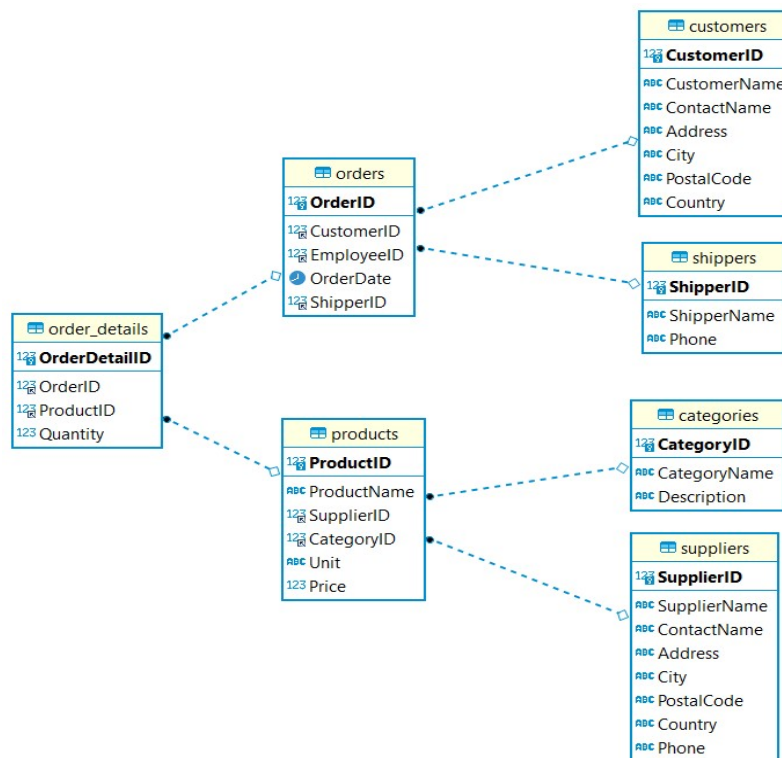


Big Data Tools for Managers

Dept. of MBA, Siddaganga Institute of Technology-Tumkur

Below is the BDTM 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 BDTM 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

Option -1

Import data using Navigation Bar



Importing into the database "demo"

File to import:

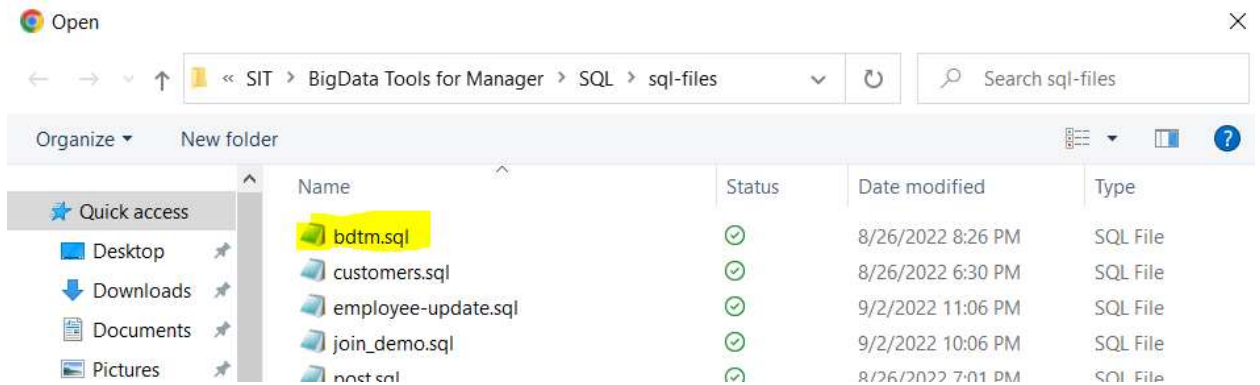
File may be compressed (gzip, bzip2, zip) or uncompressed.

A compressed file's name must end in `.[format].[compression]`. Example: `.sql.zip`

Browse your computer: **Choose File** No file chosen (Max: 40MiB)

You may also drag and drop a file on any page.

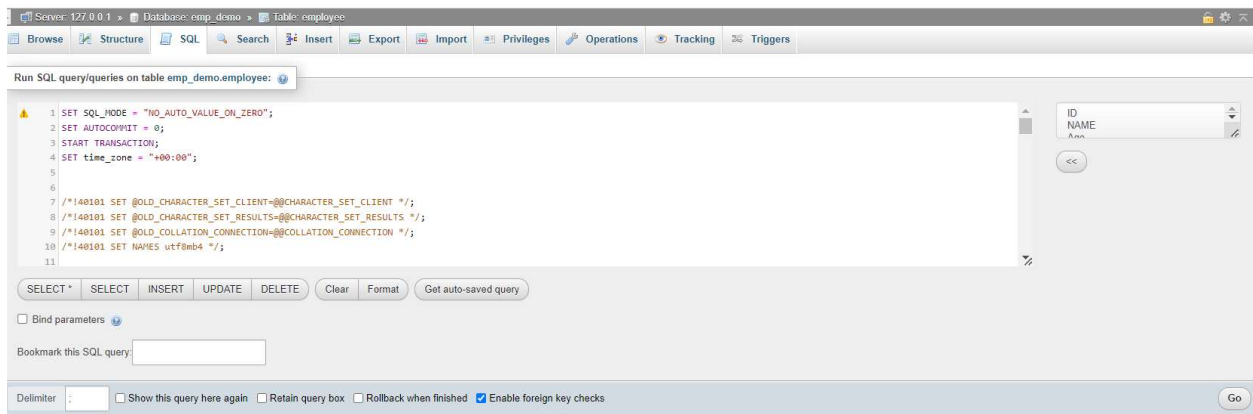
Character set of the file: utf-8



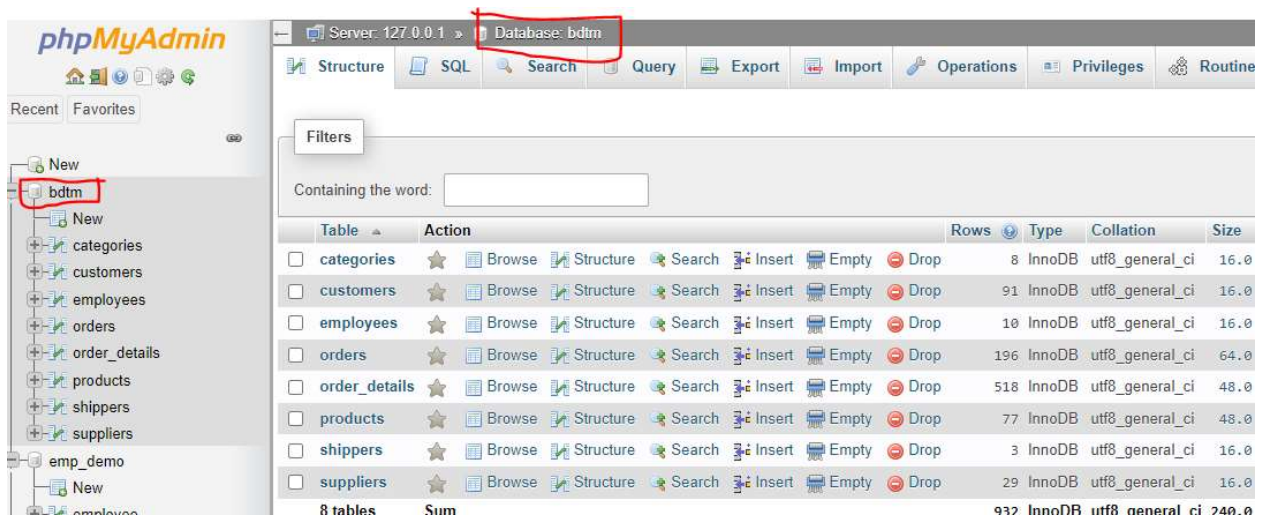
Click on Open after selecting bdtm.sql file

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;
```