Name: Prajith DLVP **Reg No**:20BBS0130

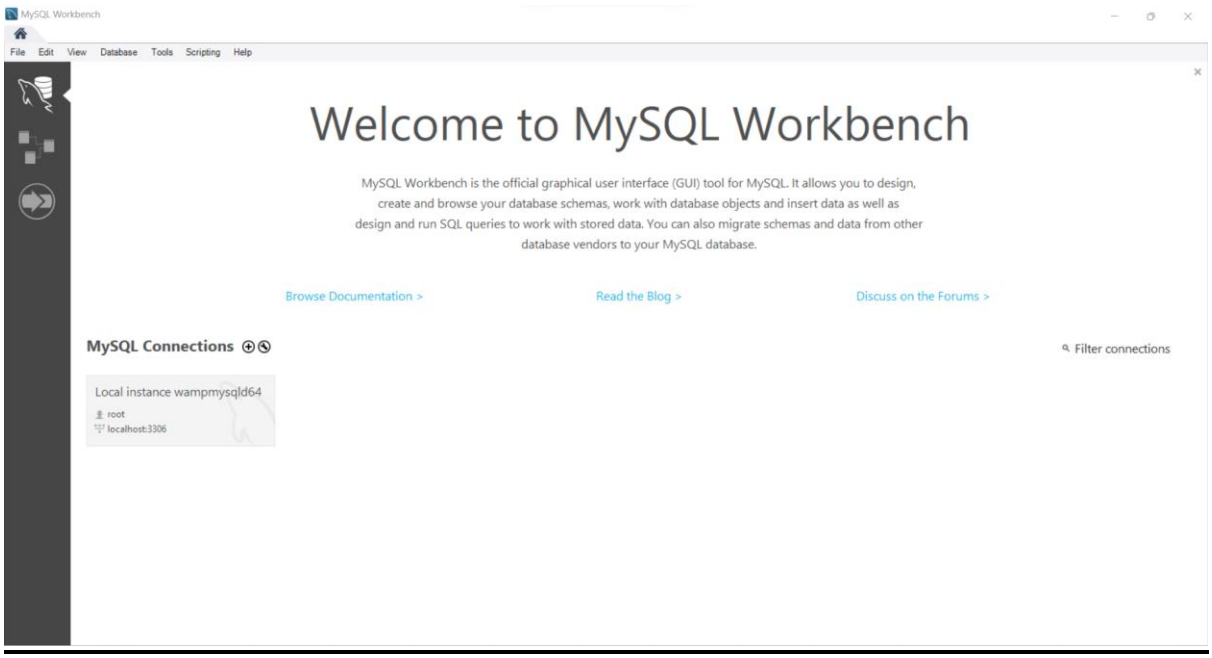
Data Analytics

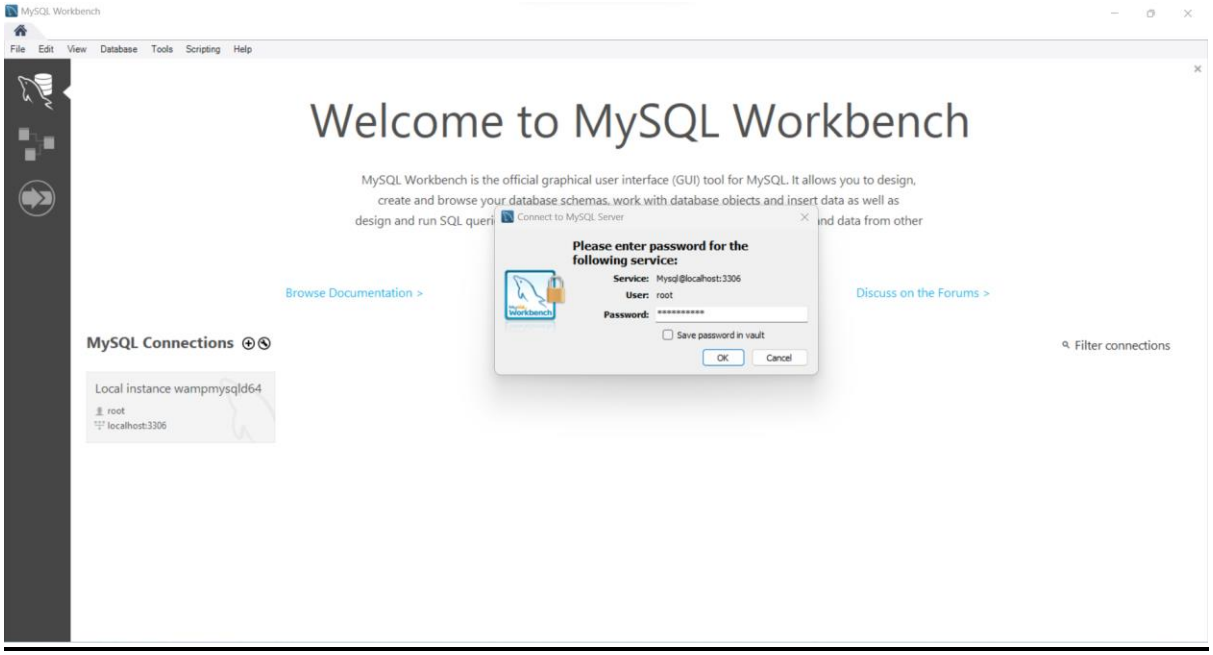
Assignment 1

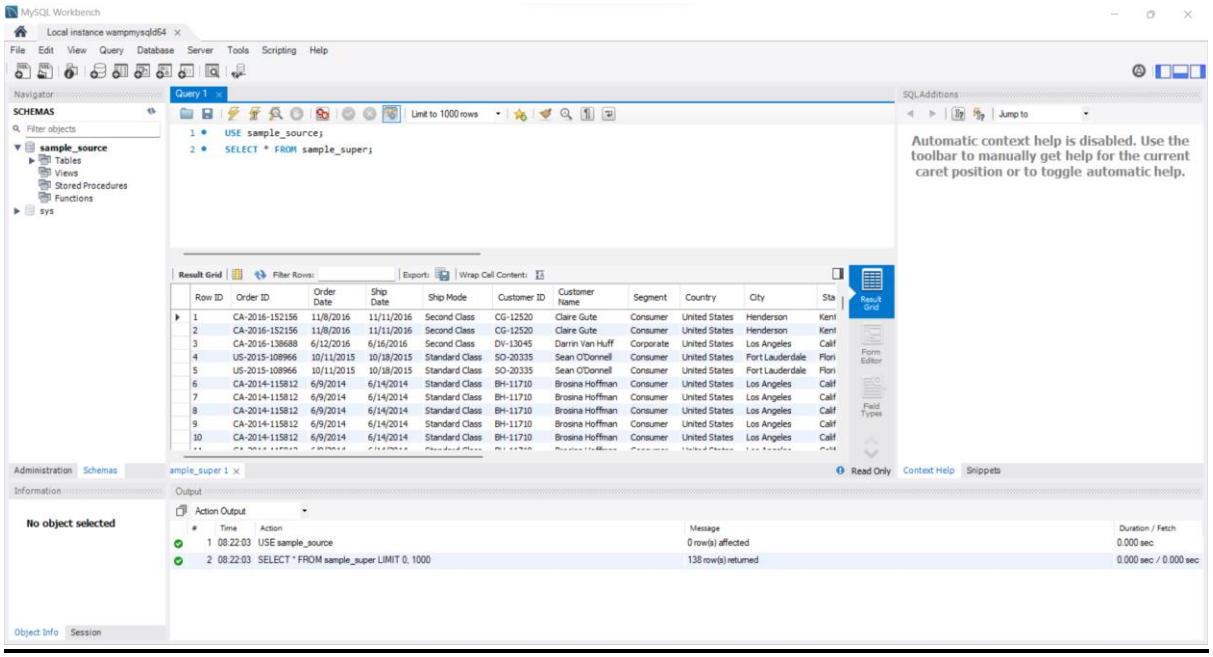
1) Download tableau desktop & Mysql in your PC or laptop

Tableau desktop:

Mysql:

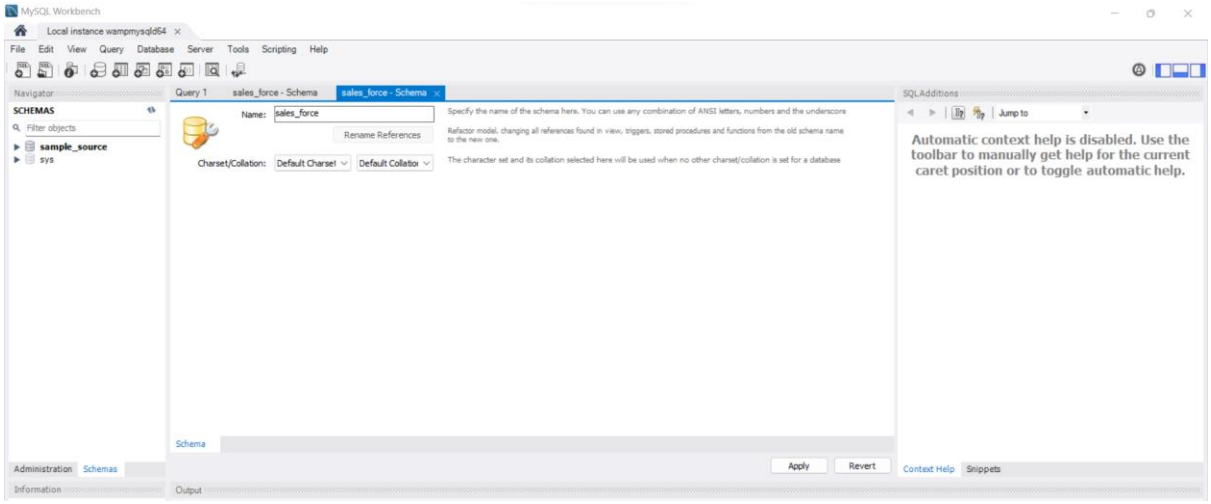



MySQL Workbench
File Edit View Database Tools Scripting Help
Welcome to MySQL Workbench
MySQL Workbench is the official graphical user interface (GUI) tool for MySQL. It allows you to design,
create and browse your database schemas, work with database objects and insert data as well as
design and run SQL queri
nd data from other
Browse Documentation >
Discuss on the Forums >
Connect to MySQL Server
Please enter password for the following service:
Service: Mysql@localhost:3306
User: root
Password:
Save password in vault
OK
Cancel
MySQL Connections
Filter connections
Local instance wampmysqld64
root
localhost:3306

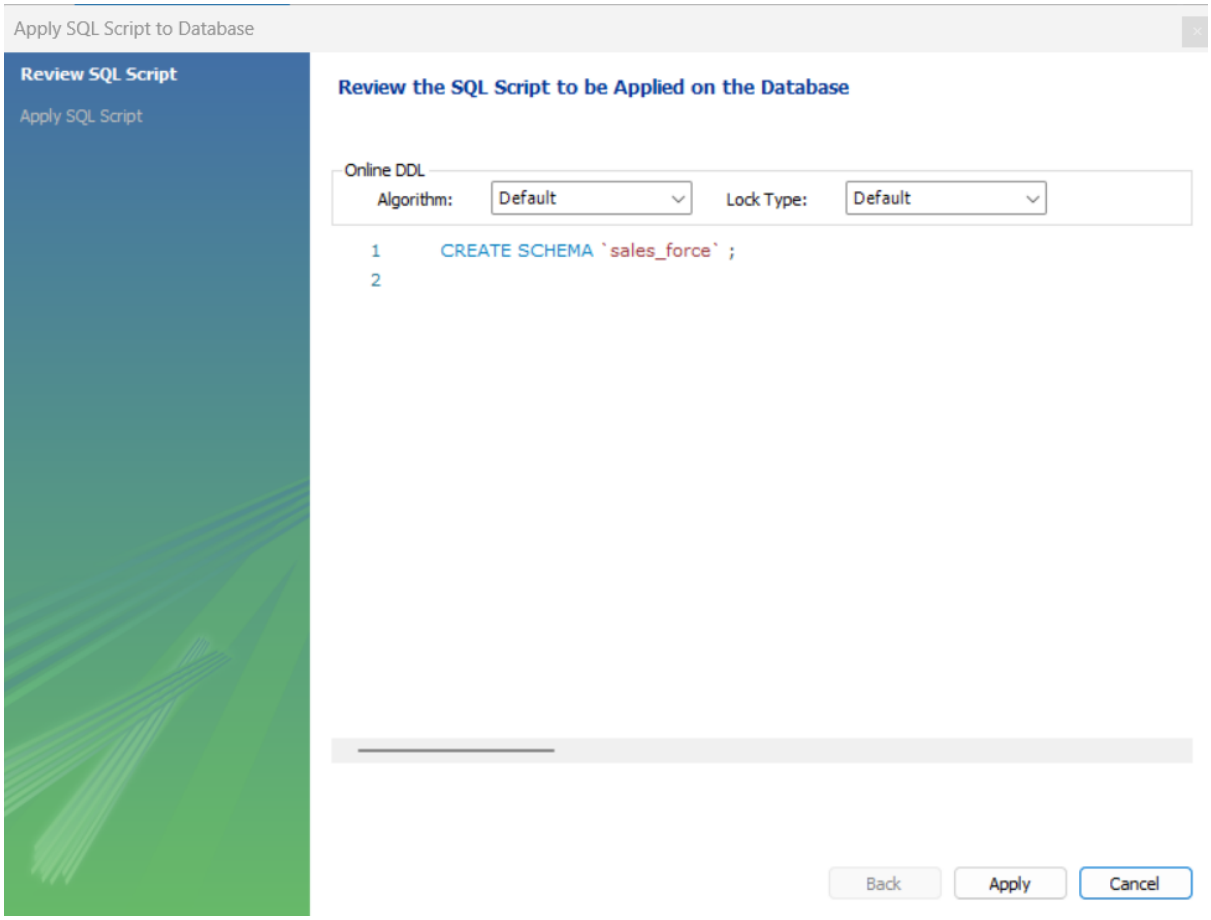

MySQL Workbench
Local instance wampmysqld64
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
sample_source
Tables
Views
Stored Procedures
Functions
sys
Query 1
Limit to 1000 rows
1 USE sample_source;
2 SELECT * FROM sample_super;
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
Row ID Order ID Order Date Ship Date Ship Mode Customer ID Customer Name Segment Country City Sta
1 CA-2016-152156 11/8/2016 11/11/2016 Second Class CG-12520 Claire Gute Consumer United States Henderson Kent
2 CA-2016-152156 11/8/2016 11/11/2016 Second Class CG-12520 Claire Gute Consumer United States Henderson Kent
3 CA-2016-138688 6/12/2016 6/16/2016 Second Class DV-13045 Darrin Van Huff Corporate United States Los Angeles Calif
4 US-2015-108966 10/11/2015 10/18/2015 Standard Class SO-20335 Sean O'Donnell Consumer United States Fort Lauderdale Flori
5 US-2015-108966 10/11/2015 10/18/2015 Standard Class SO-20335 Sean O'Donnell Consumer United States Fort Lauderdale Flori
6 CA-2014-115812 6/9/2014 6/14/2014 Standard Class BH-11710 Brosina Hoffman Consumer United States Los Angeles Calif
7 CA-2014-115812 6/9/2014 6/14/2014 Standard Class BH-11710 Brosina Hoffman Consumer United States Los Angeles Calif
8 CA-2014-115812 6/9/2014 6/14/2014 Standard Class BH-11710 Brosina Hoffman Consumer United States Los Angeles Calif
9 CA-2014-115812 6/9/2014 6/14/2014 Standard Class BH-11710 Brosina Hoffman Consumer United States Los Angeles Calif
10 CA-2014-115812 6/9/2014 6/14/2014 Standard Class BH-11710 Brosina Hoffman Consumer United States Los Angeles Calif
Result Grid
Form Editor
Field Types
Read Only
Context Help
Snippets
Administration Schemas
ample_super 1
Information
No object selected
Object Info Session
Output
Action Output
Time Action Message Duration / Fetch
1 08:22:03 USE sample_source 0 row(s) affected 0.000 sec
2 08:22:03 SELECT * FROM sample_super LIMIT 0, 1000 138 row(s) returned 0.000 sec / 0.000 sec

2) Create a new schema in your Mysql workbench and upload your data

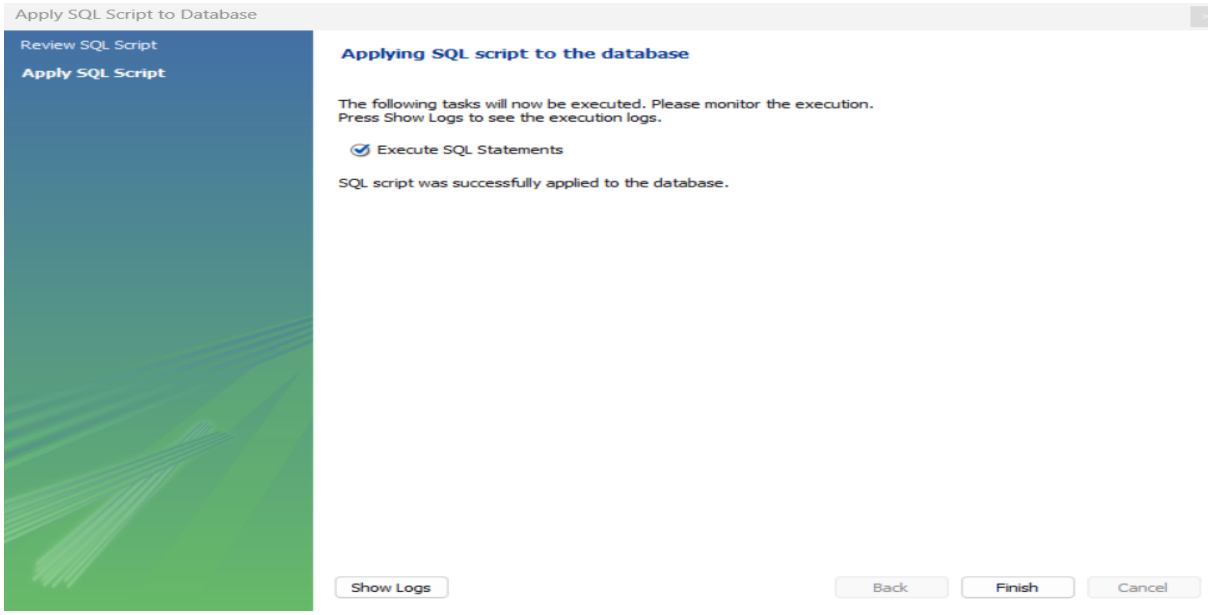
Step-1: creating **sales_force** scheme as shown in below figure.



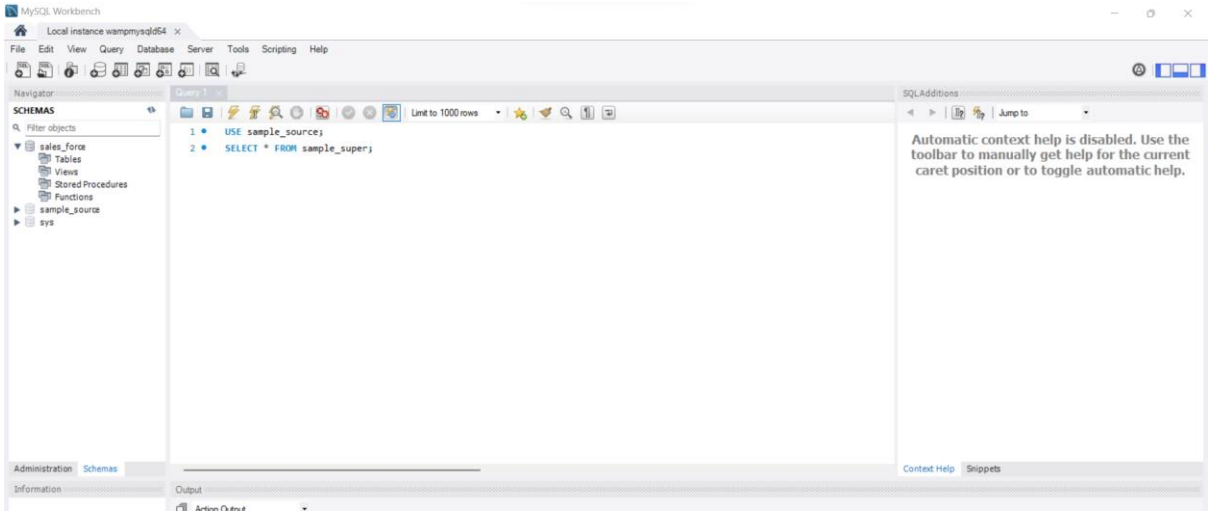
Step-2: click on apply and it will redirect into next page as shown below and then click on apply:



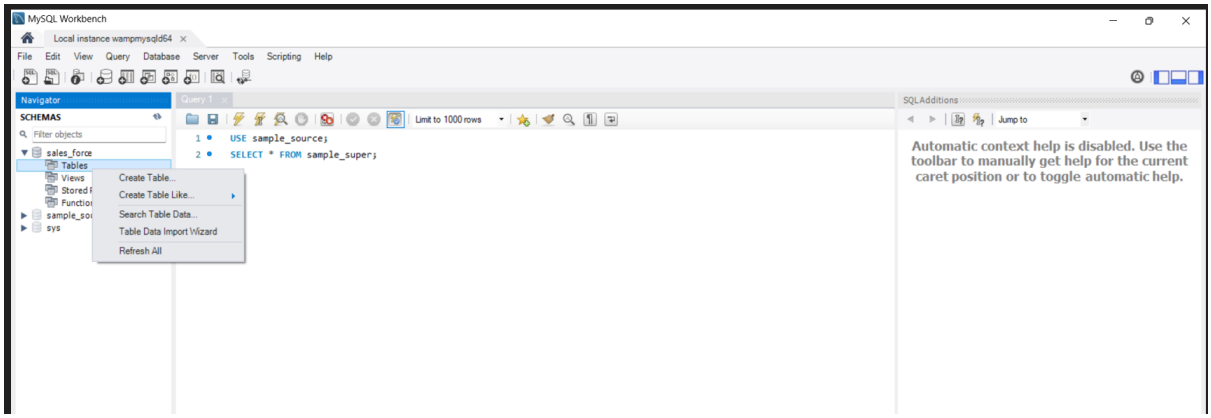
Step -3: click on finish button as shown below



Step-4: in schemas section**, sales_force** schema as shown below:

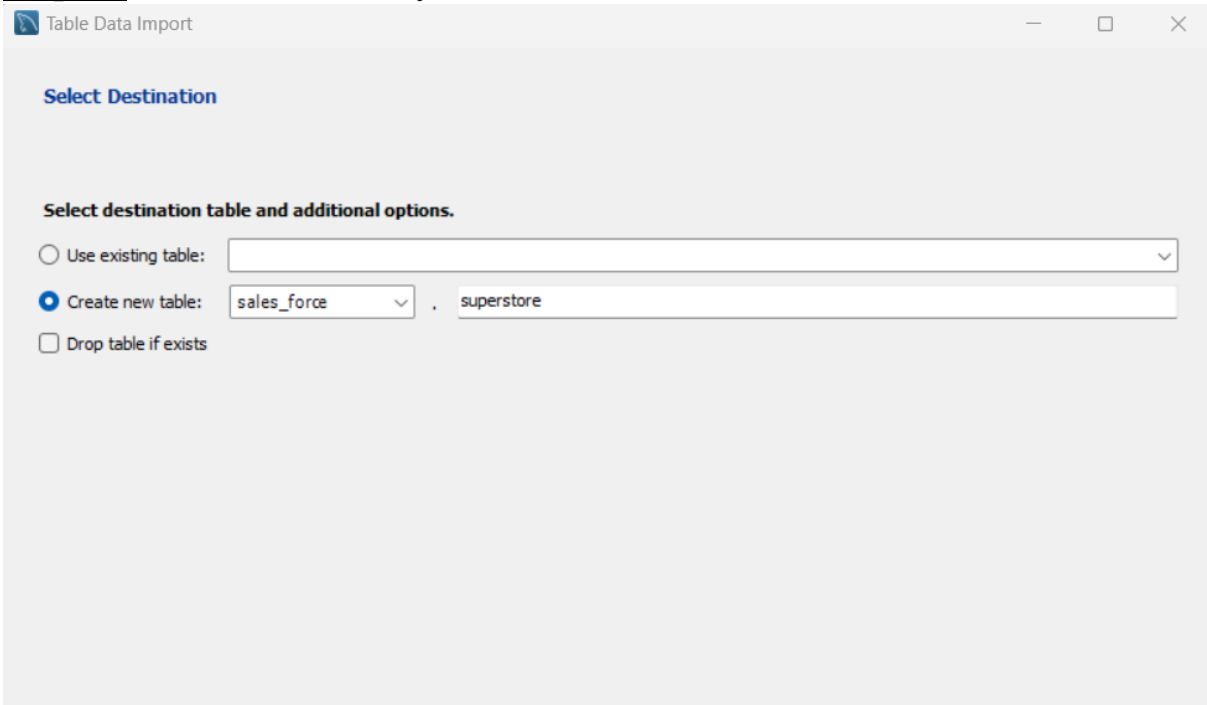


Step-5: click on left side arrow of sales_force it will display a dropdown as shown below right click on table, then click on **table data import wizard** to import the data as shown below:

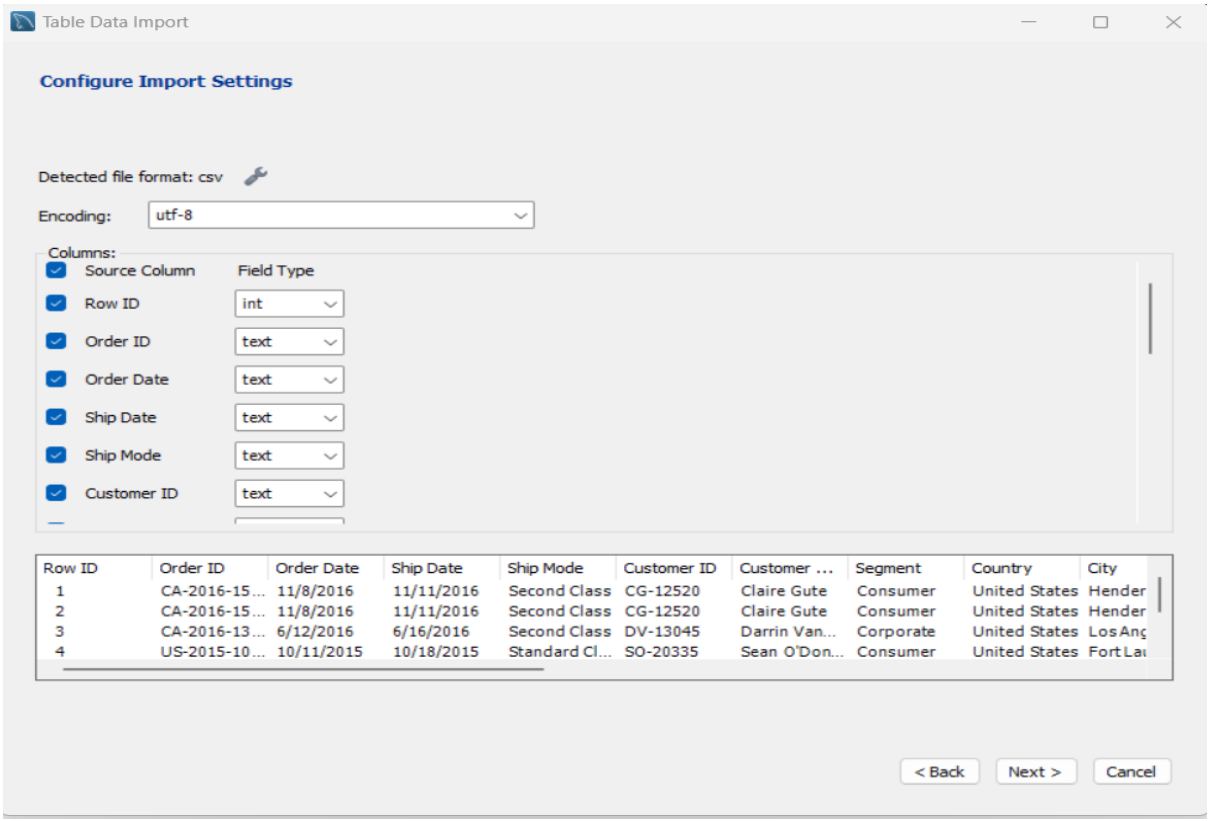


Step-6: click on browse button to import the data you want as shown below:

Step-7: after click on next, you need to name the table as shown below:



Step-8: click on next after naming the table then it will show configure import setting and then click on next and again click on next to import all data then it will show import data results as shown below:



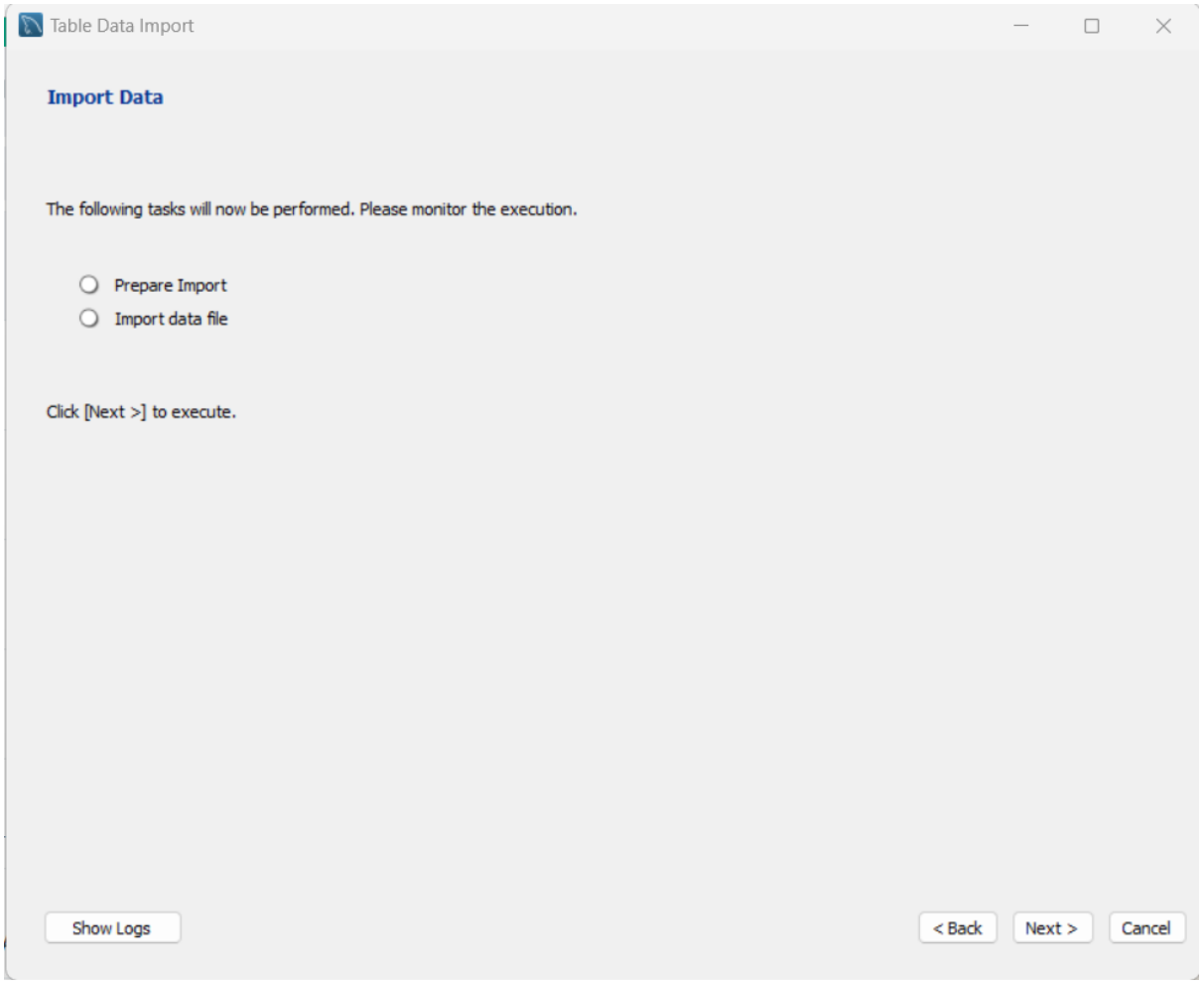
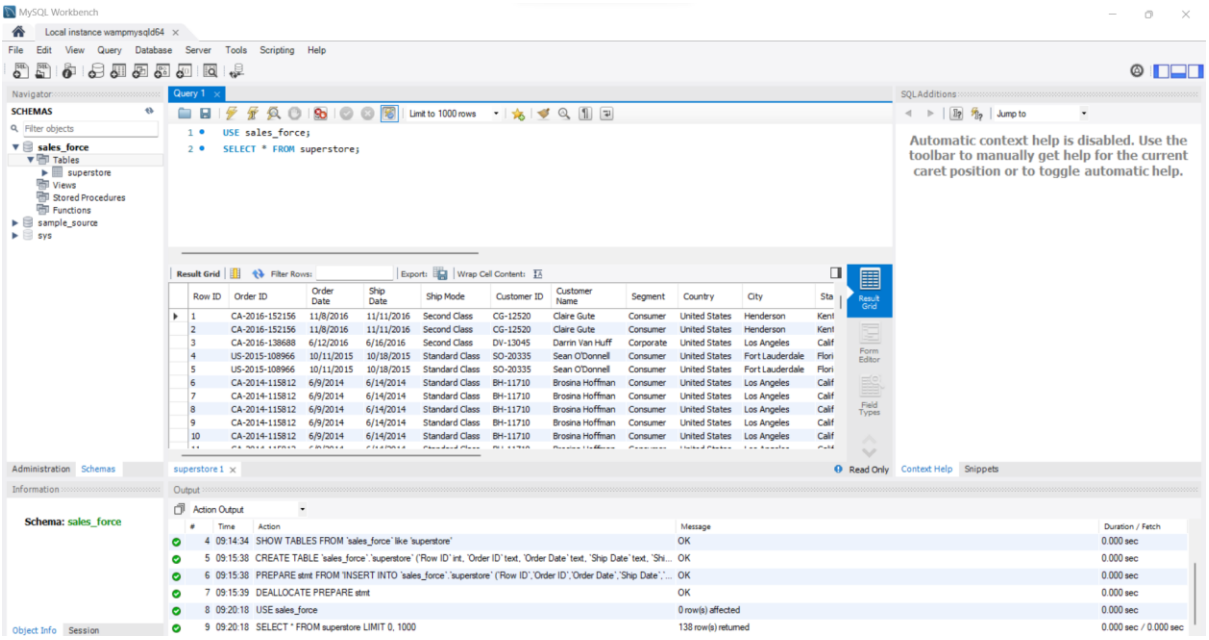


Table Data Import
Import Data
The following tasks will now be performed. Please monitor the execution.
Prepare Import
Import data file
Click [Next >] to execute.
Show Logs
< Back
Next >
Cancel

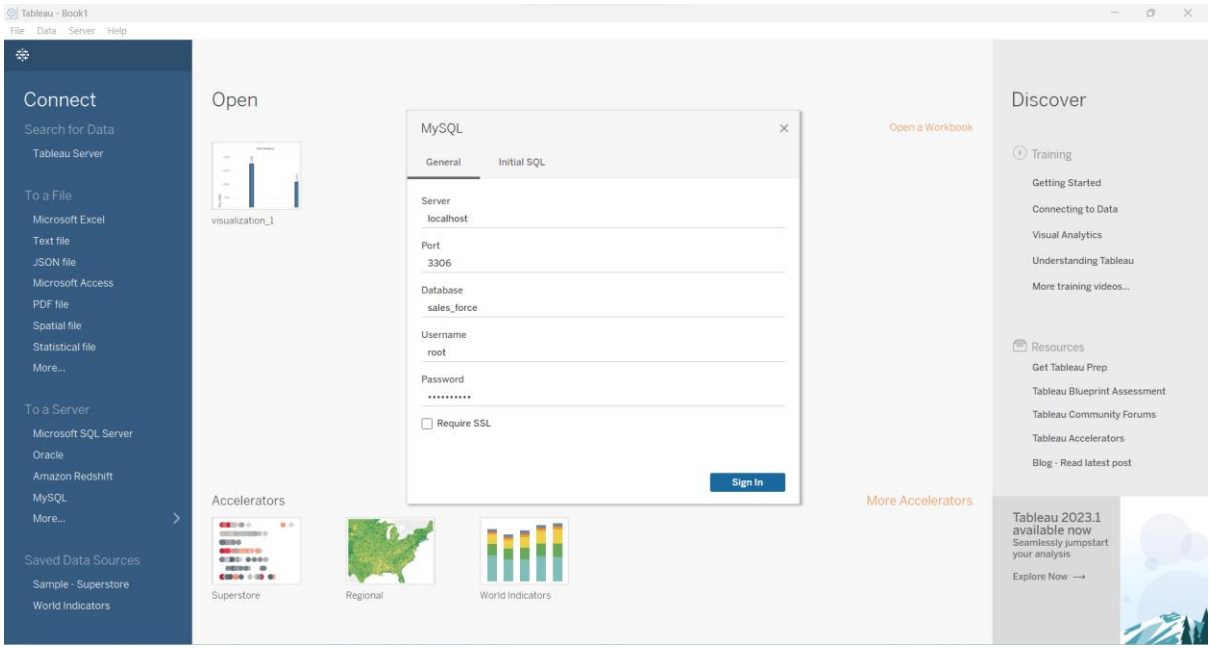
Table Data Import
Import Results
File C:\Users\HP\Downloads\Sample - Superstor.csv was imported in 0.737 s
Table sales_force.superstore was created
138 records imported

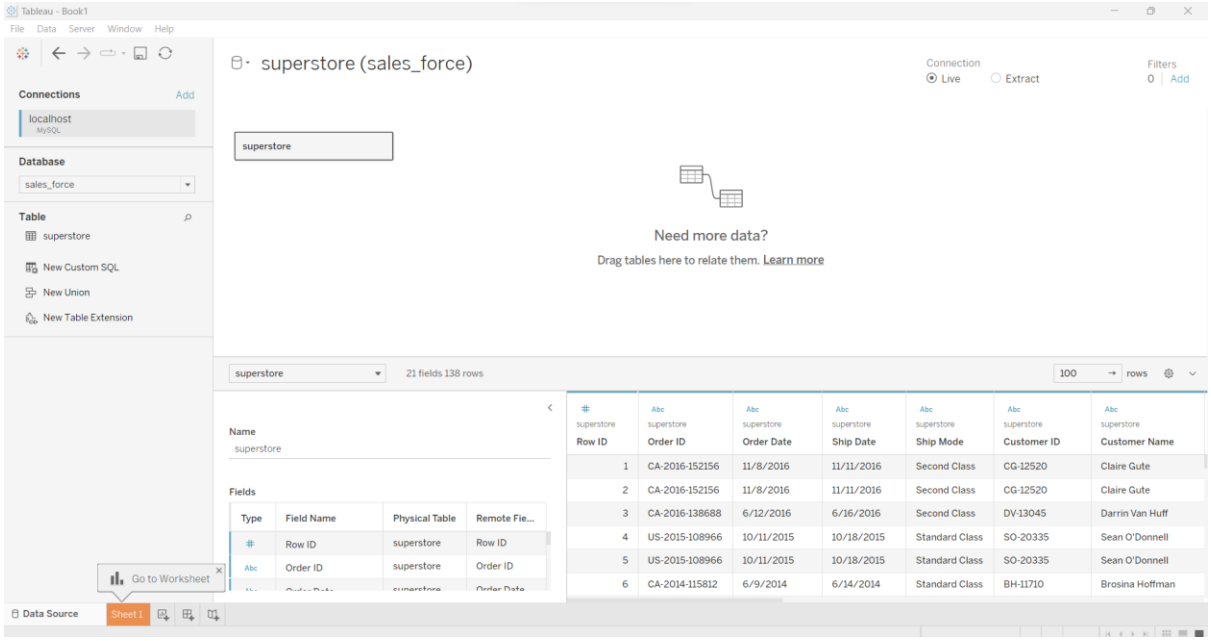
Step-9: to check whether data is imported or not write a sql query to display contents from table as shown below:



3) Connect your Mysql and Tableau

- After opening both tableau and mysql, in tableau left side plane there will connect menu in that go to a server section in that click on Mysql as show below.
- it will mysql dialog box in that enter all the details like sever, port, data-base name, username and password(the password which we used for mysql after entering all detail, click on sign it will be redirect into next page as shown below:



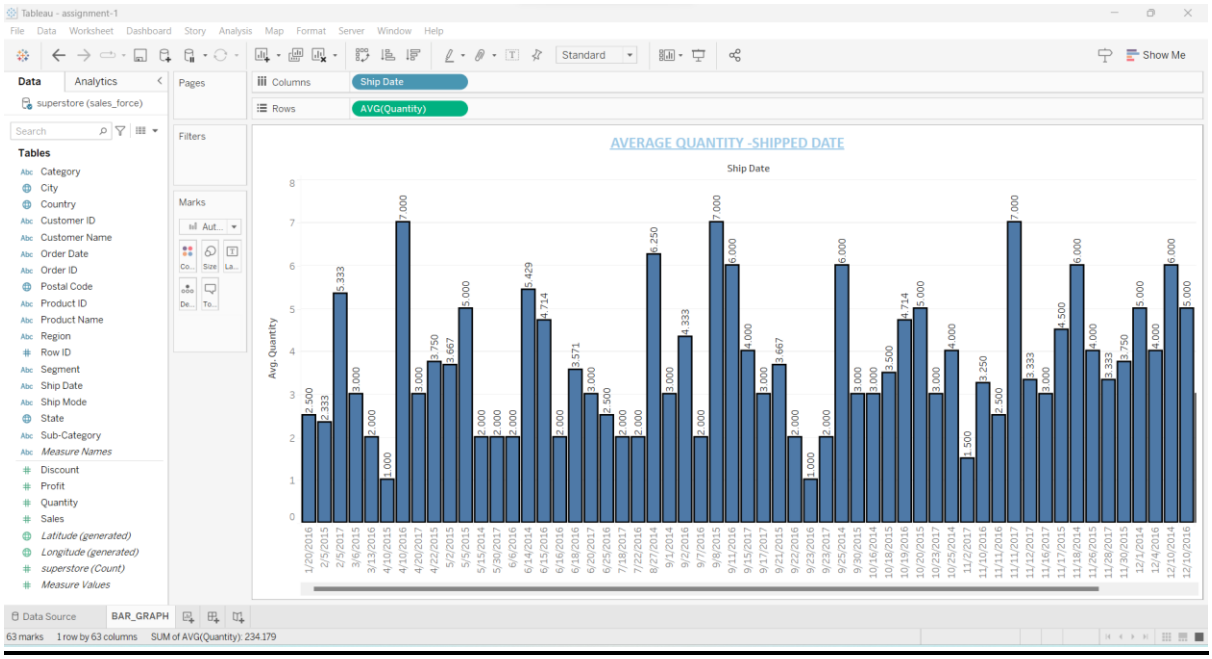


4) Create the below 5 charts/plots

- **Bar chart**
- **Tree map**
- **Heatmap**
- **Pie chart**
- **Horizontal bar chart**

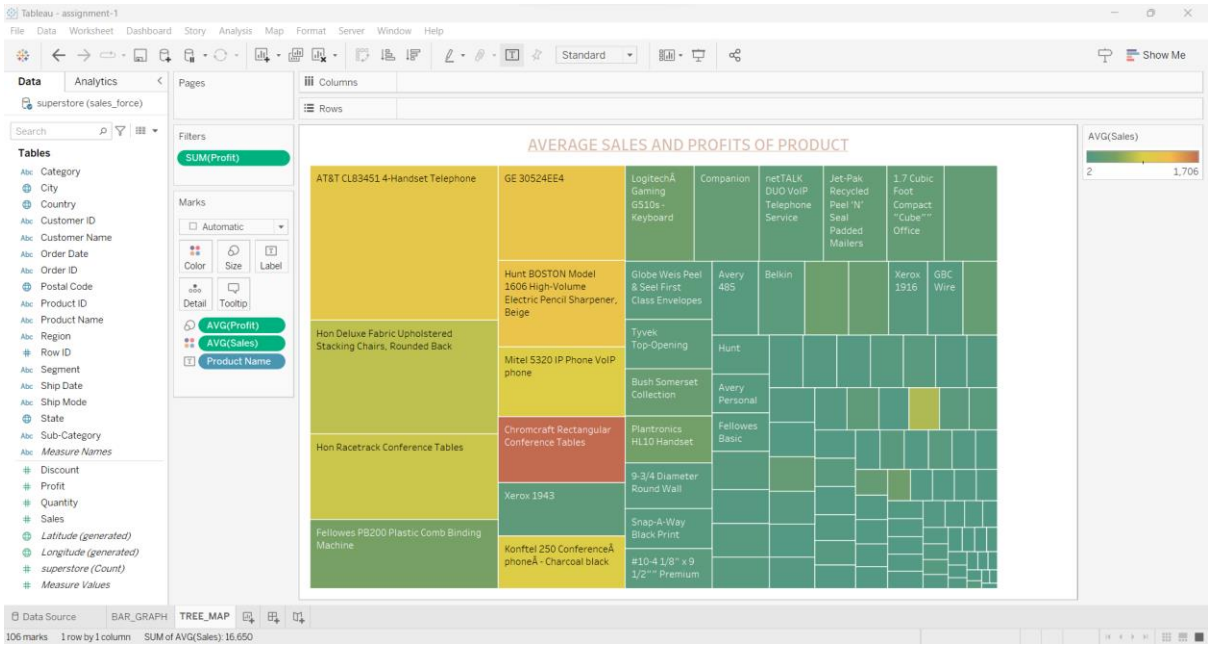
Bar chart:

-Average quantity of shipped date



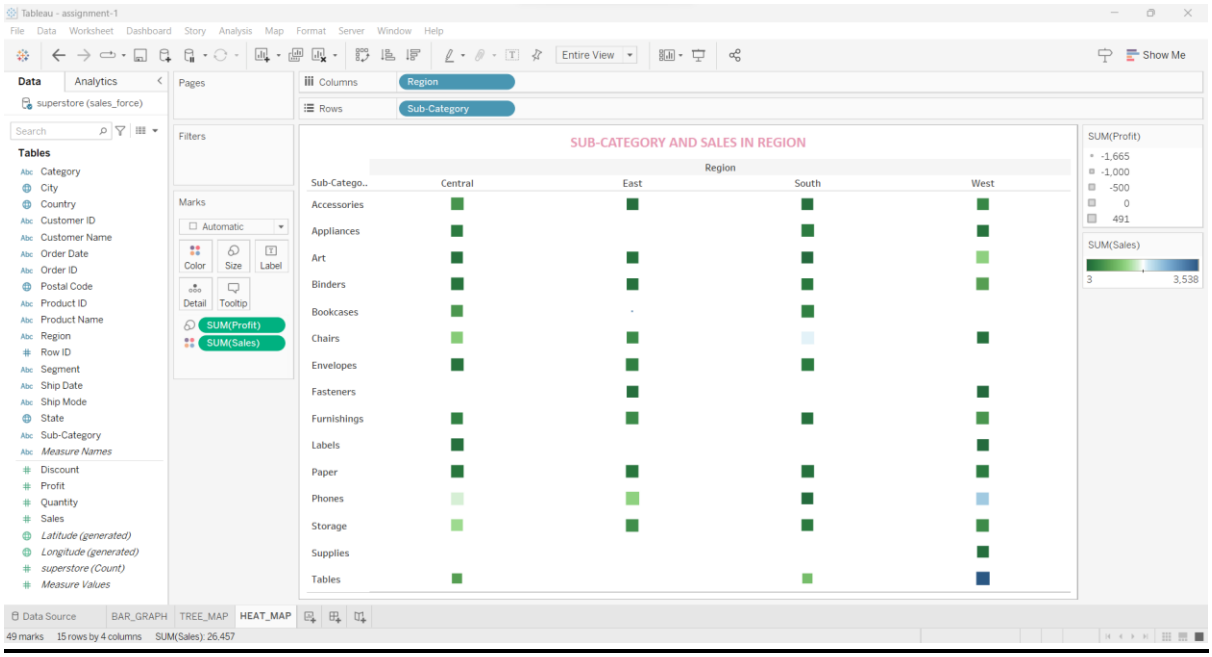
TREE MAP:

-average sales and profits of product



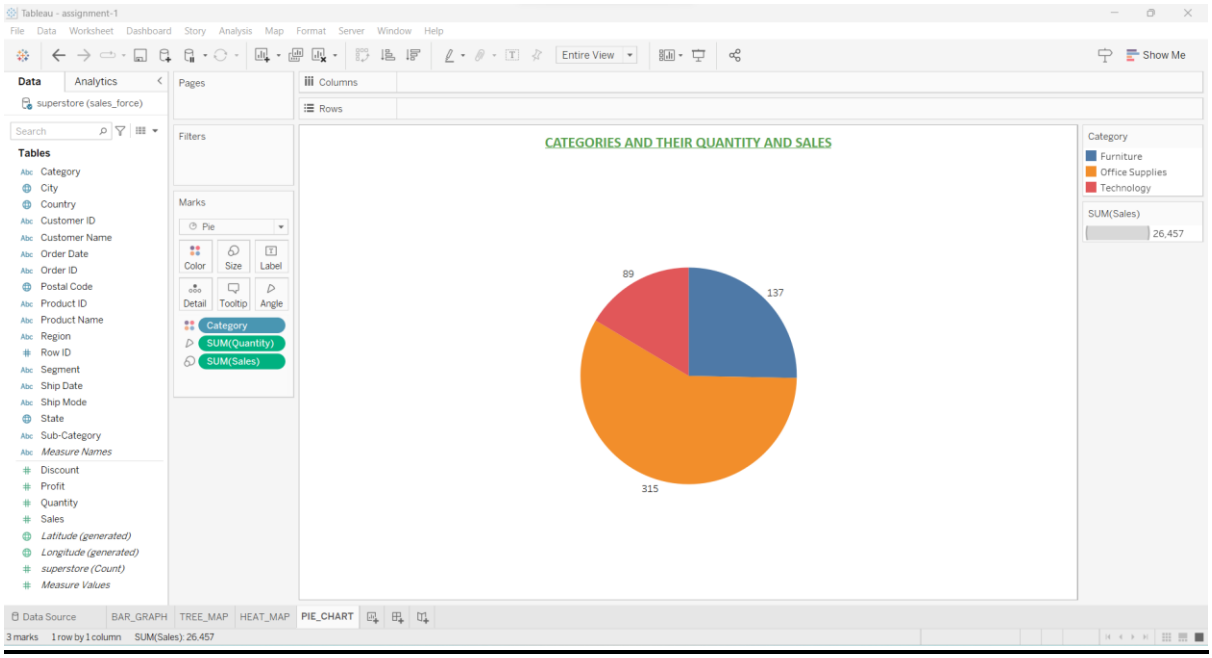
Heat map:

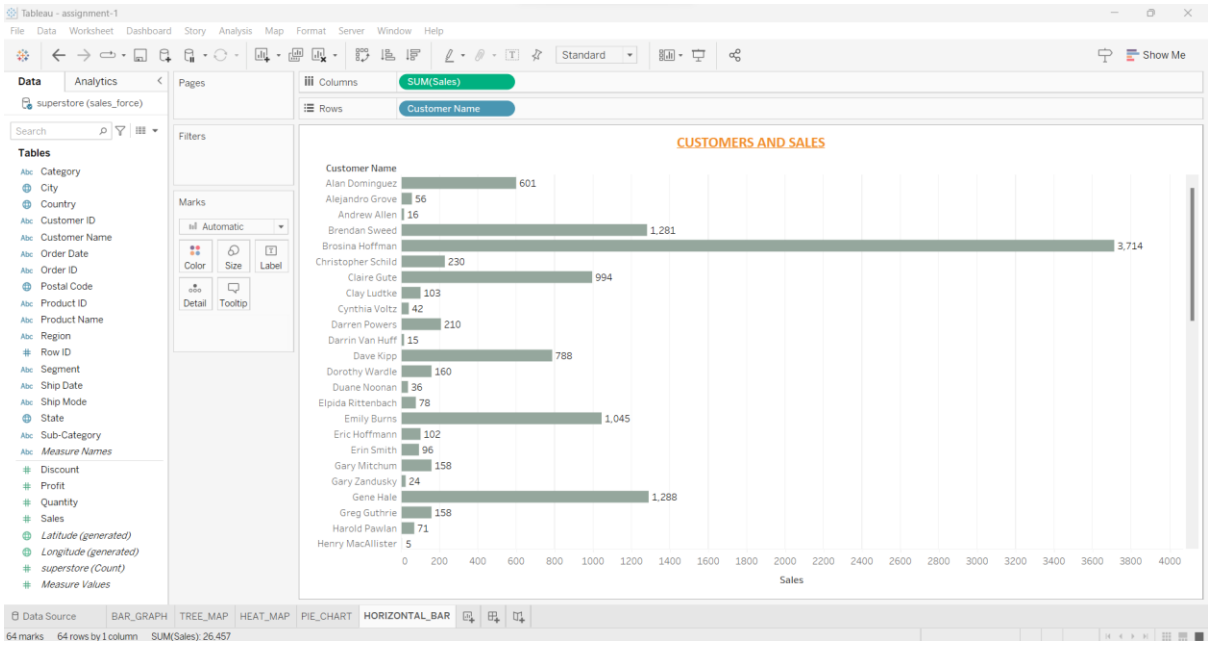
- subcategories and its sales in regions



PIE CHART:

-Categories and their quantities and sales



HORIZONTAL BAR CHART:

-customers and sales