<u>Data analytics Assignment-1</u>
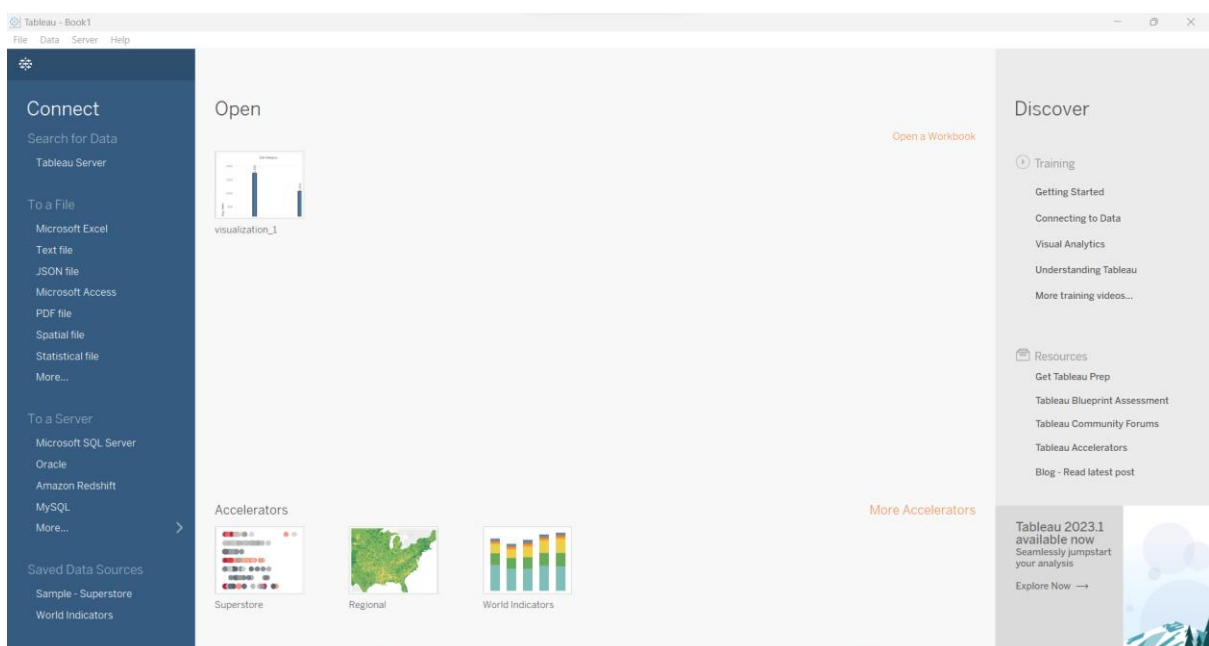
College Name: Vit,vellore.

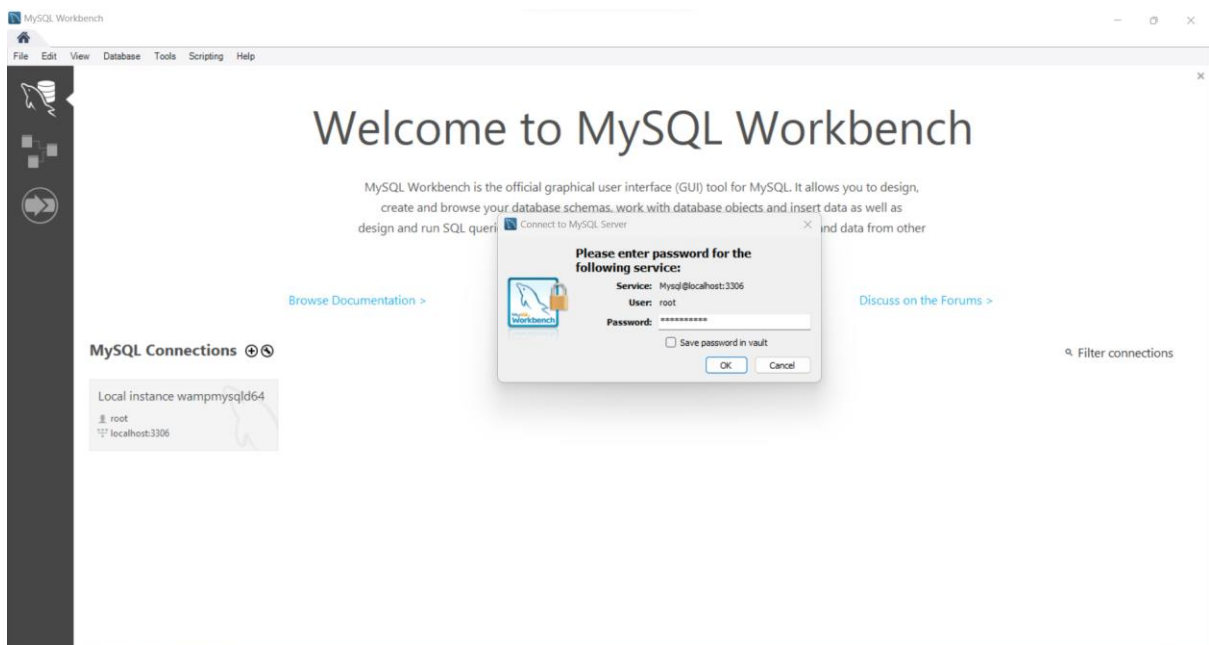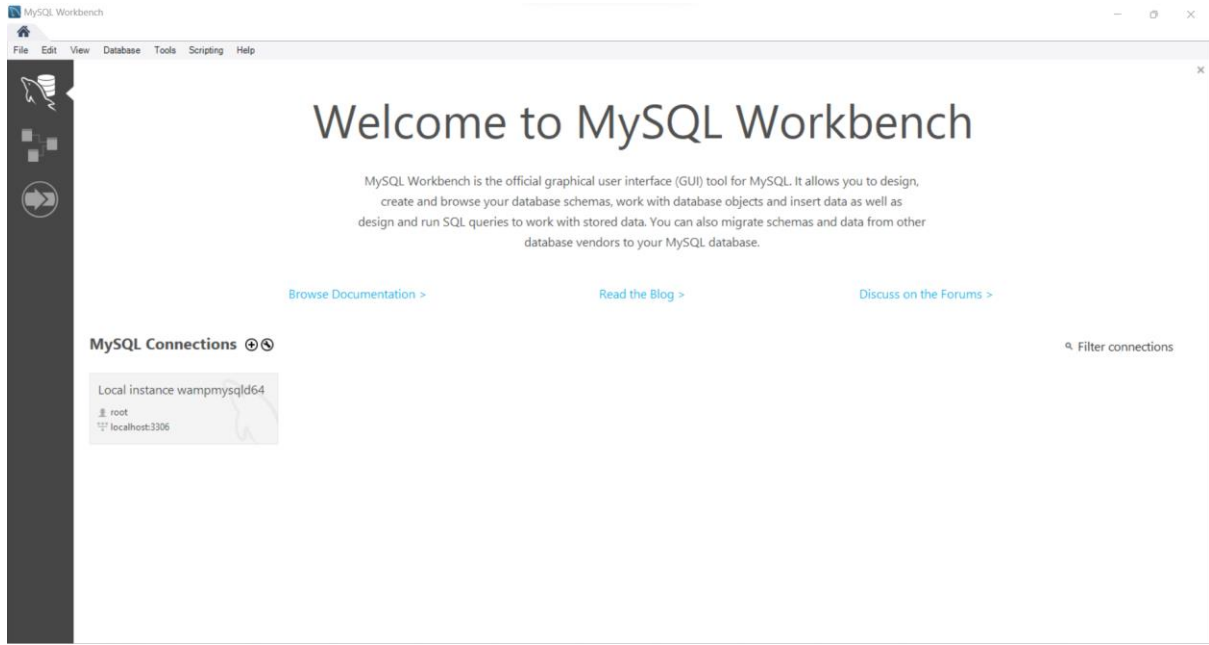**Course Name :** SmartBridge -VIT EXTERNSHIP (DATA ANALYTICS)

<u>Tasks:</u>

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

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

3) Connect your Mysql and Tableau

4) Create the below 5 charts/plots

● Bar chart
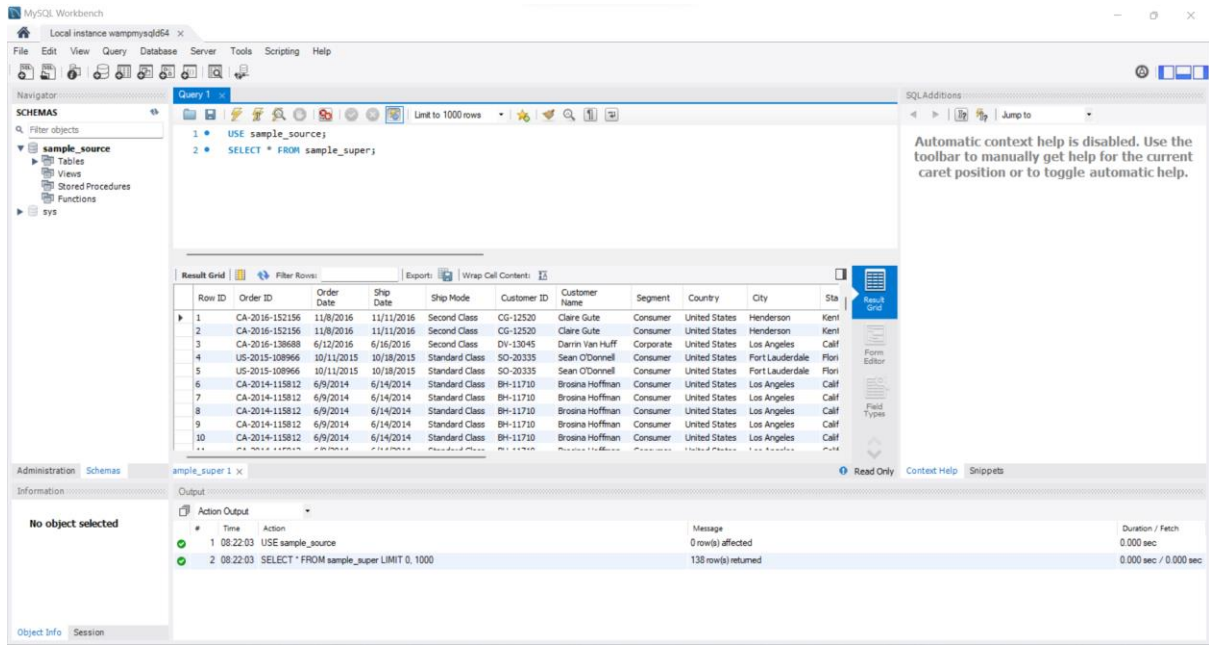
● Tree map

● Heatmap

● Pie chart

● Horizontal bar chart

1) Download tableau desktop & Mysql in your PC or laptop
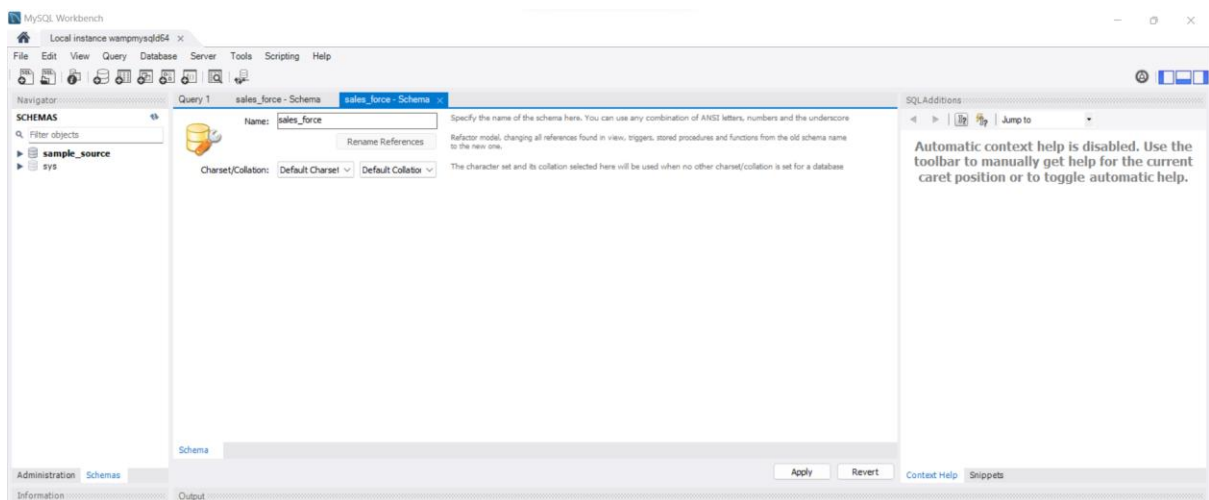
<u>Tableau desktop:</u>

Mysql:

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:

Apply SQL Script to Database

Review SQL Script

Apply SQL Script

Review the SQL Script to be Applied on the Database

Online DDL

Algorithm: Default   Lock Type: Default

1   CREATE SCHEMA `sales_force` ;
2

Back   Apply   Cancel

Step -3: click on finish button as shown below

Apply SQL Script to Database

Review SQL Script

Apply SQL Script

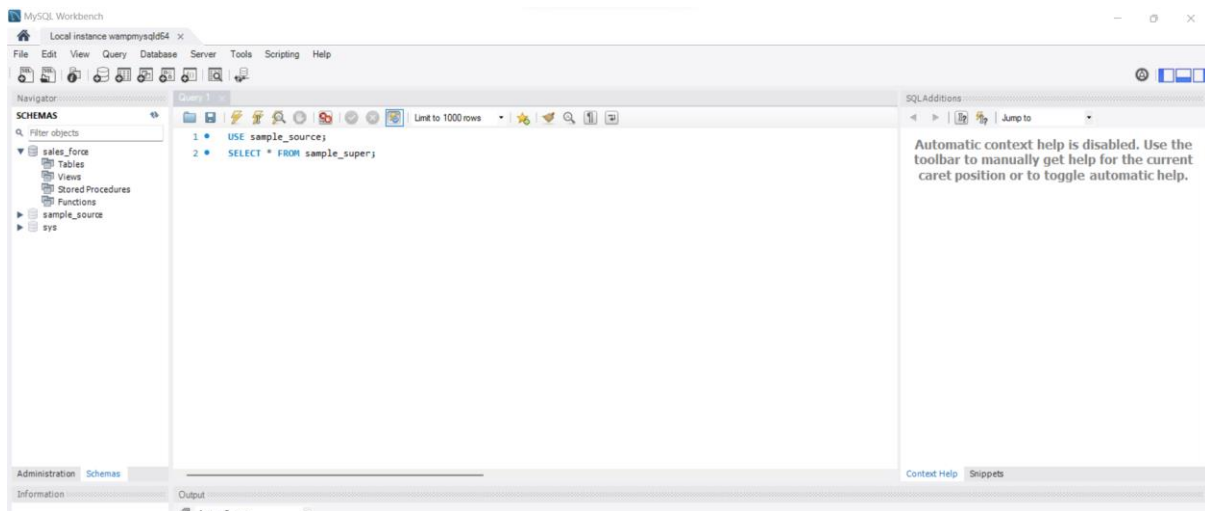**Applying SQL script to the database**

The following tasks will now be executed. Please monitor the execution.
Press Show Logs to see the execution logs.
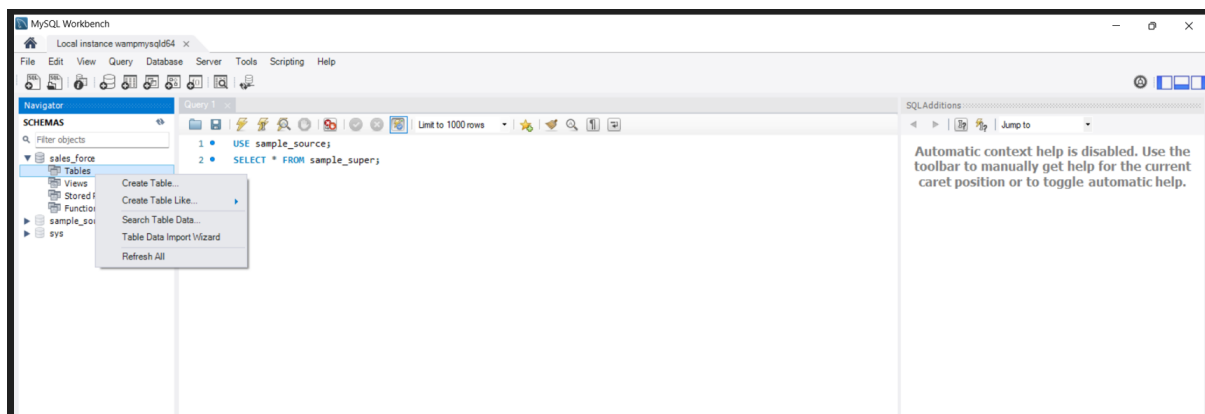
☑ Execute SQL Statements

SQL script was successfully applied to the database.

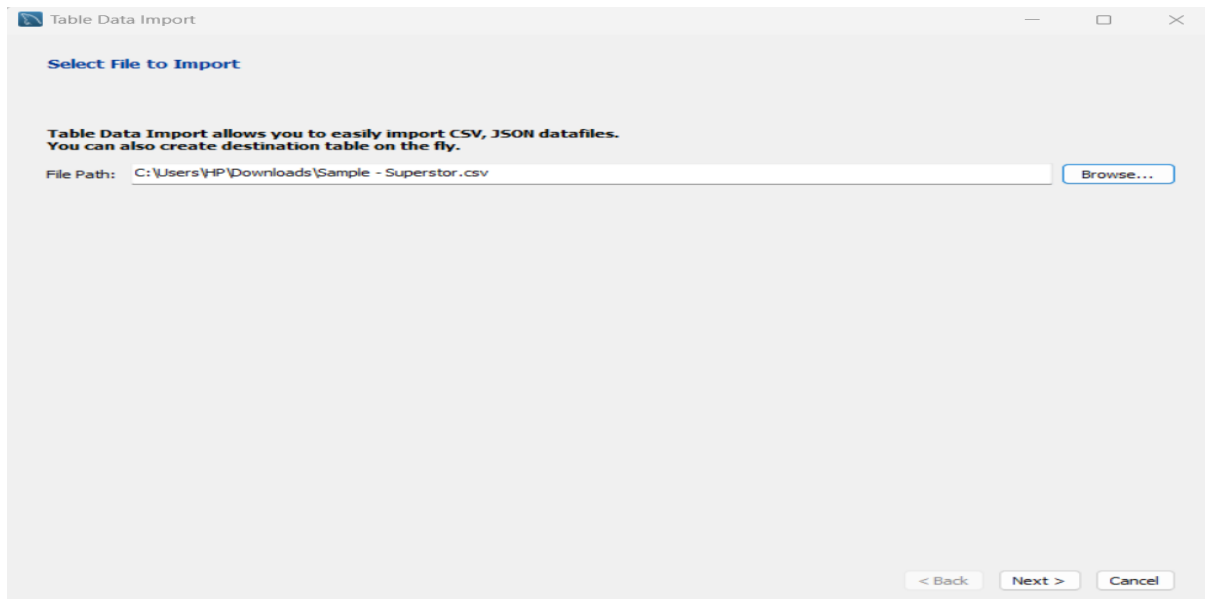Show Logs   Back   Finish   Cancel

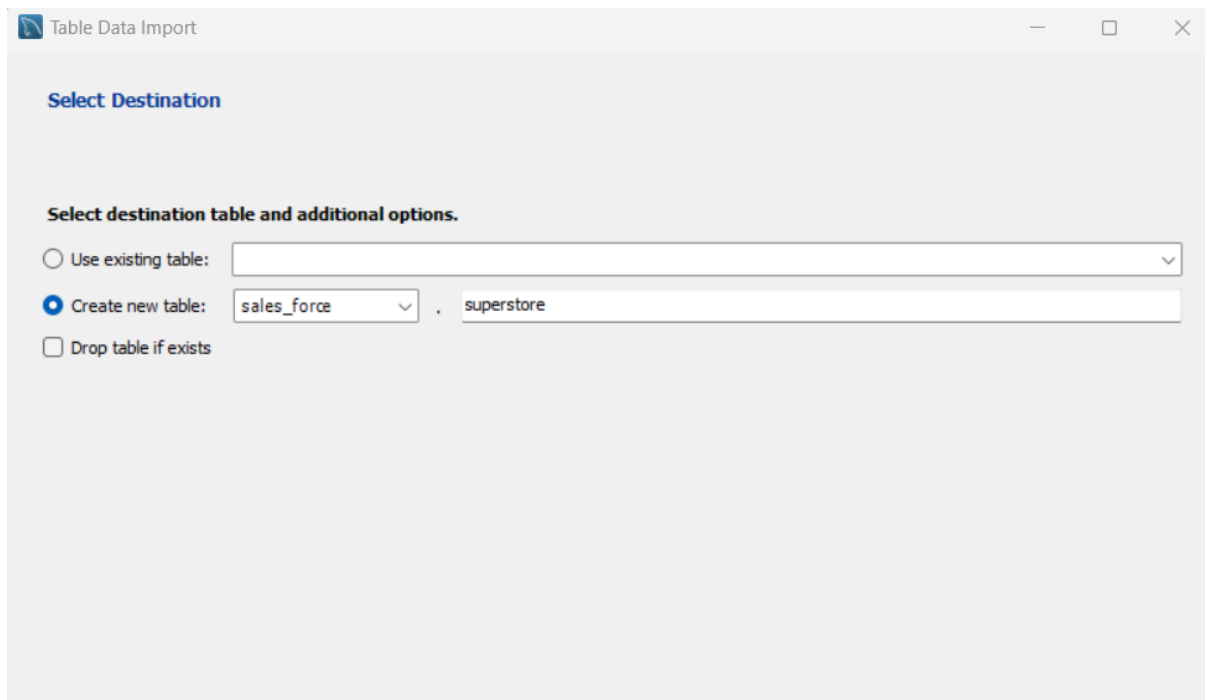**Step-4:** in schemas section**, sales_force** schema as shown below:

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   —   □   ✕

Configure Import Settings

Detected file format: csv 🔧

Encoding: utf-8   ⌄

Columns:
☑ Source Column   Field Type
☑ Row ID   int   ⌄
☑ Order ID   text   ⌄
☑ Order Date   text   ⌄
☑ Ship Date   text   ⌄
☑ Ship Mode   text   ⌄
☑ Customer ID   text   ⌄

Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	Customer ...	Segment	Country	City
1	CA-2016-15...	11/8/2016	11/11/2016	Second Class	CG-12520	Claire Gute	Consumer	United States	Hender
2	CA-2016-15...	11/8/2016	11/11/2016	Second Class	CG-12520	Claire Gute	Consumer	United States	Hender
3	CA-2016-13...	6/12/2016	6/16/2016	Second Class	DV-13045	Darrin Van...	Corporate	United States	Los Ang
4	US-2015-10...	10/11/2015	10/18/2015	Standard Cl...	SO-20335	Sean O'Don...	Consumer	United States	Fort Lau

                                        < Back   Next >   Cancel

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Table Data Import   —   □   ✕

Import Data

The following tasks will now be performed. Please monitor the execution.
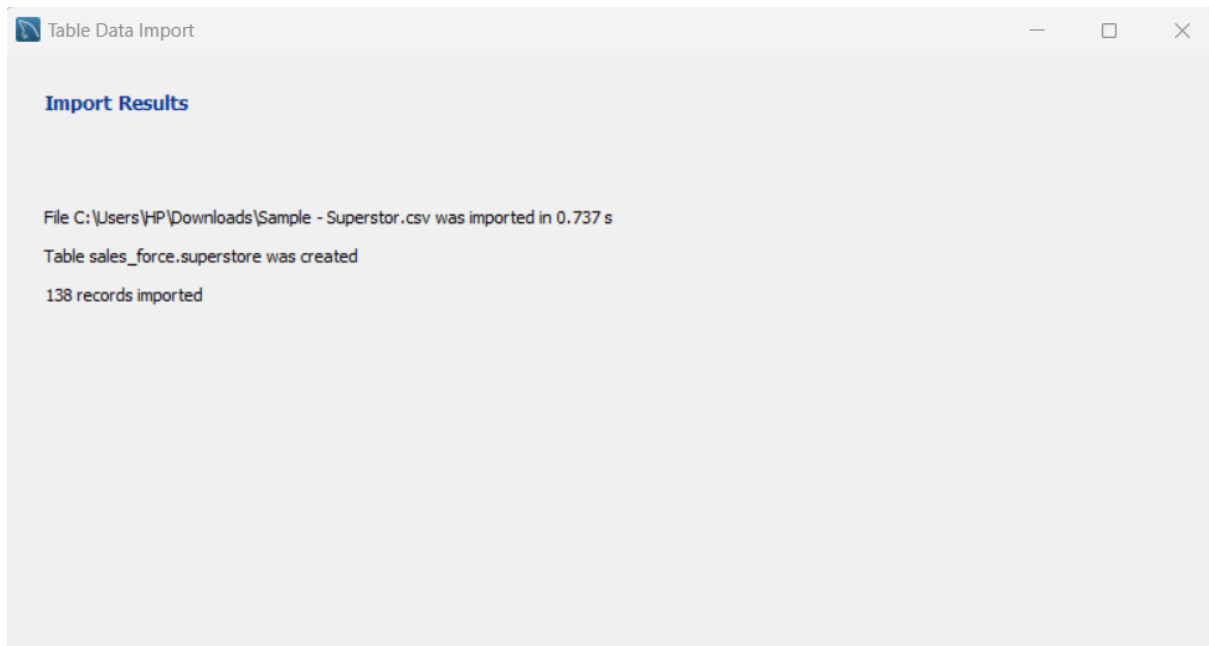
   ○   Prepare Import
   ○   Import data file

Click [Next >] to execute.

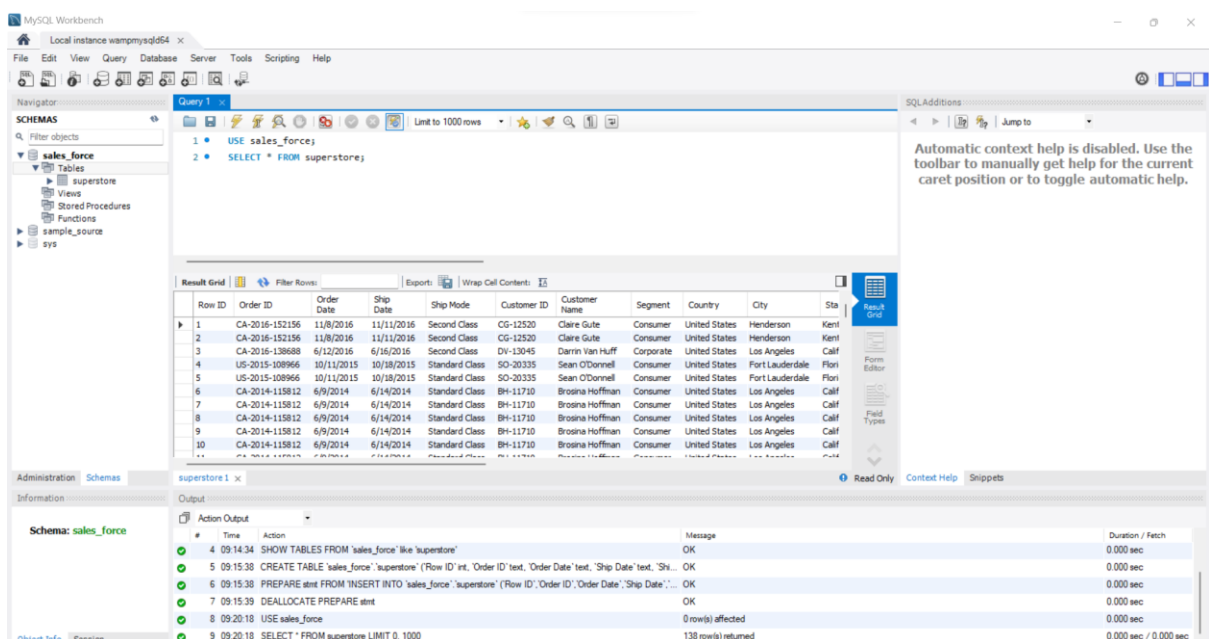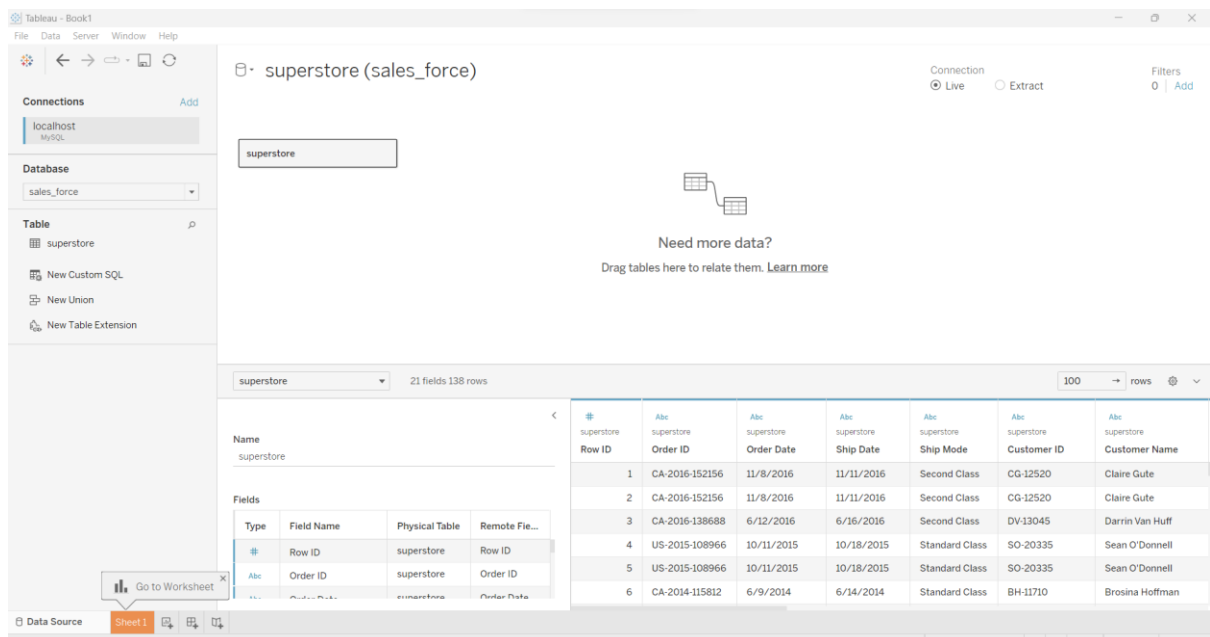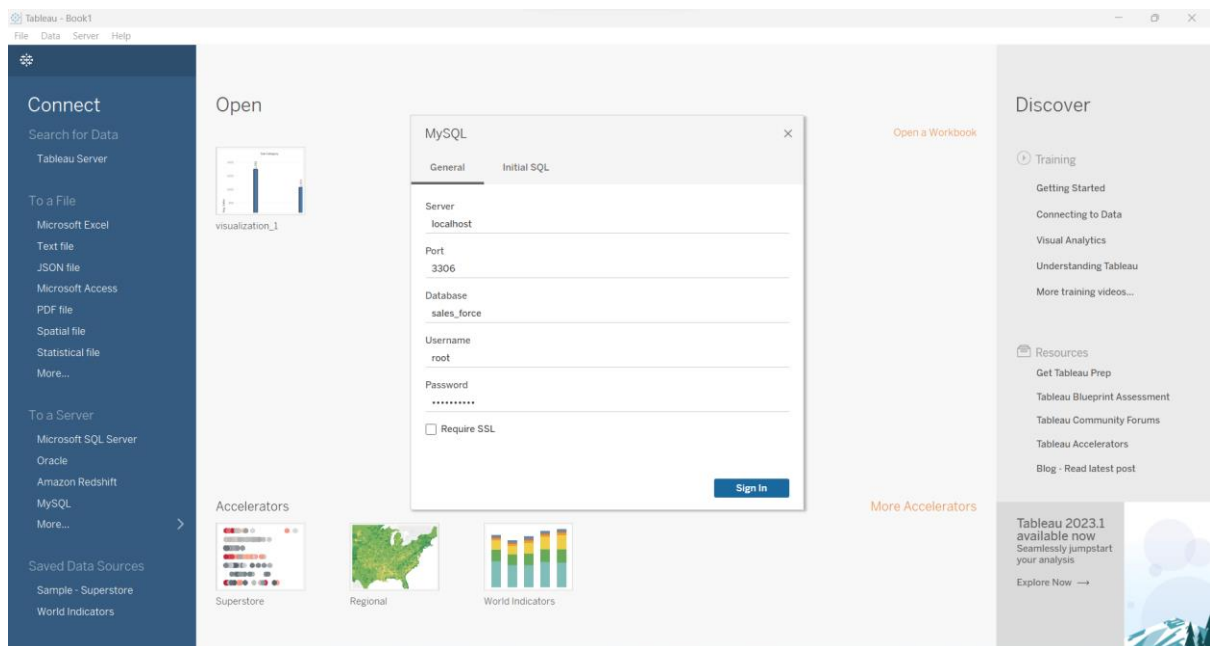Show Logs   < Back   Next >   Cancel

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:
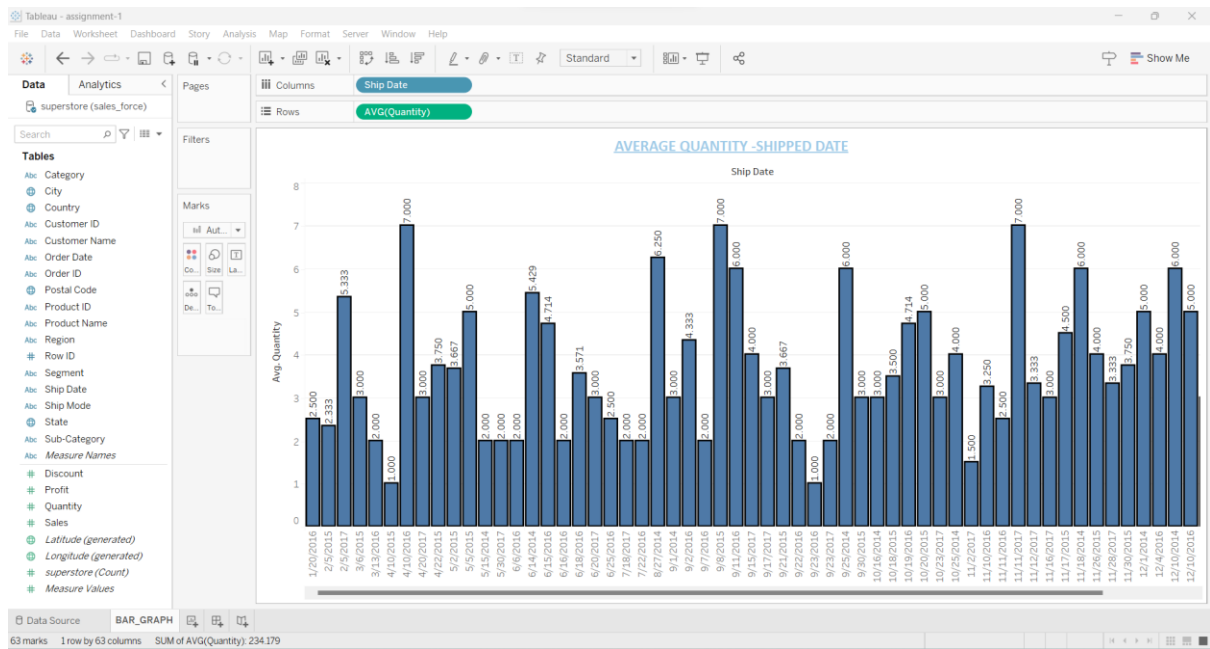
4) Create the below 5 charts/plots

● **Bar chart**

● **Tree map**

● **Heatmap**

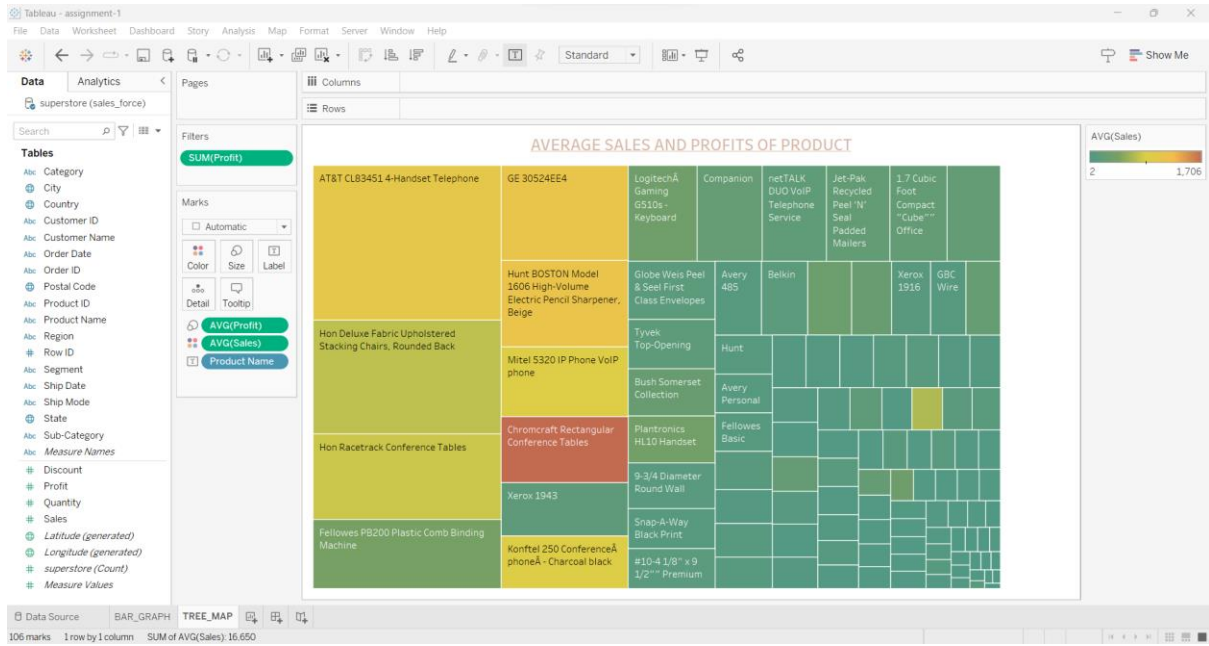● **Pie chart**

● **Horizontal bar chart**

Bar chart:
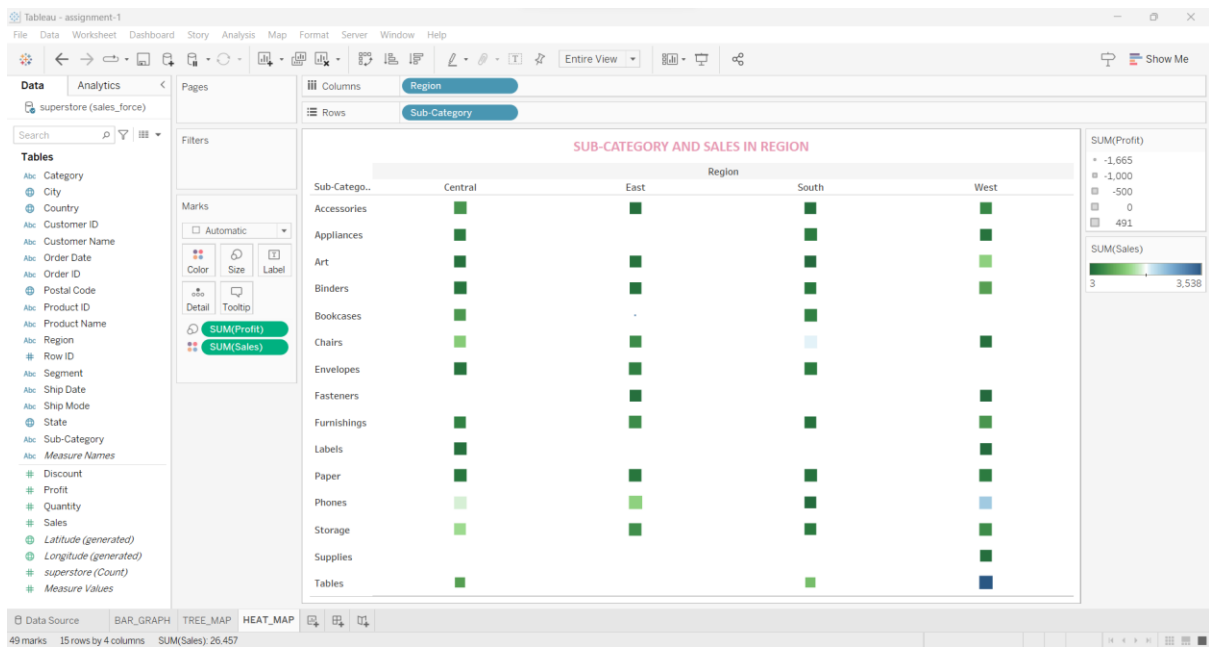
-Average quantity of shipped date

TREE MAP:

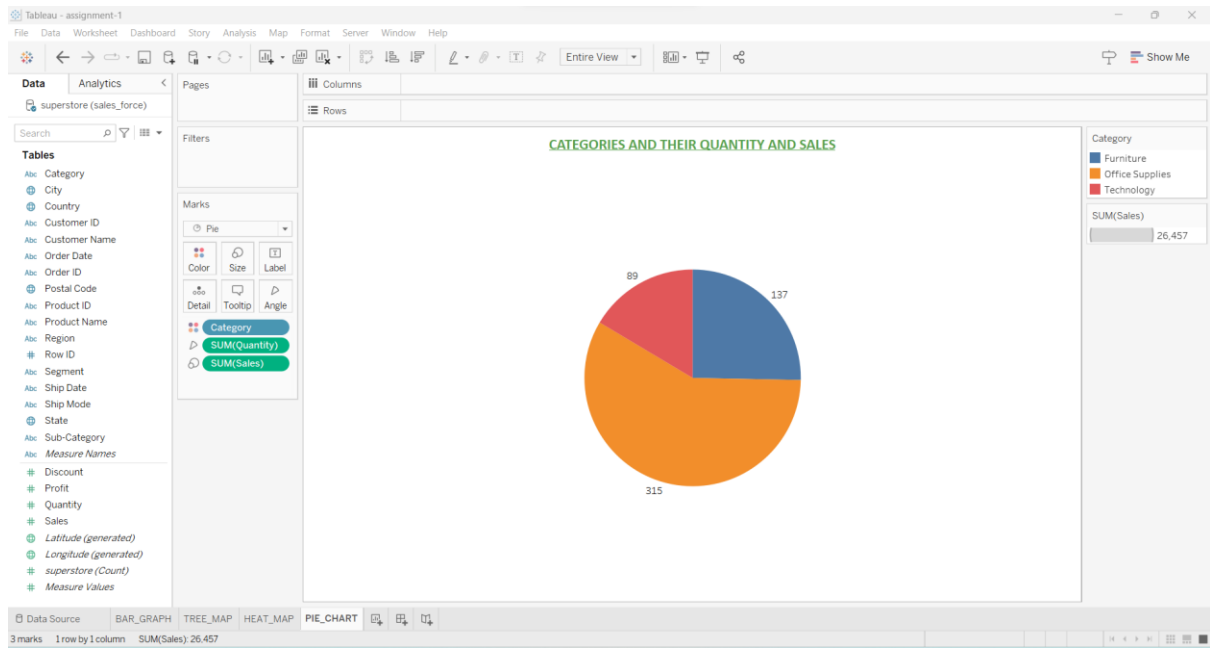-average sales and profits of product

Heat map:

- subcategories and its sales in regions

PIE CHART:

-Categories and their quantities and sales

HORIZONTAL BAR CHART:

-customers and sales