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**Reg.No:** 20BCE2740

## **Assignment-1**

**College Name:** VIT, Vellore.

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

### **Tasks:**

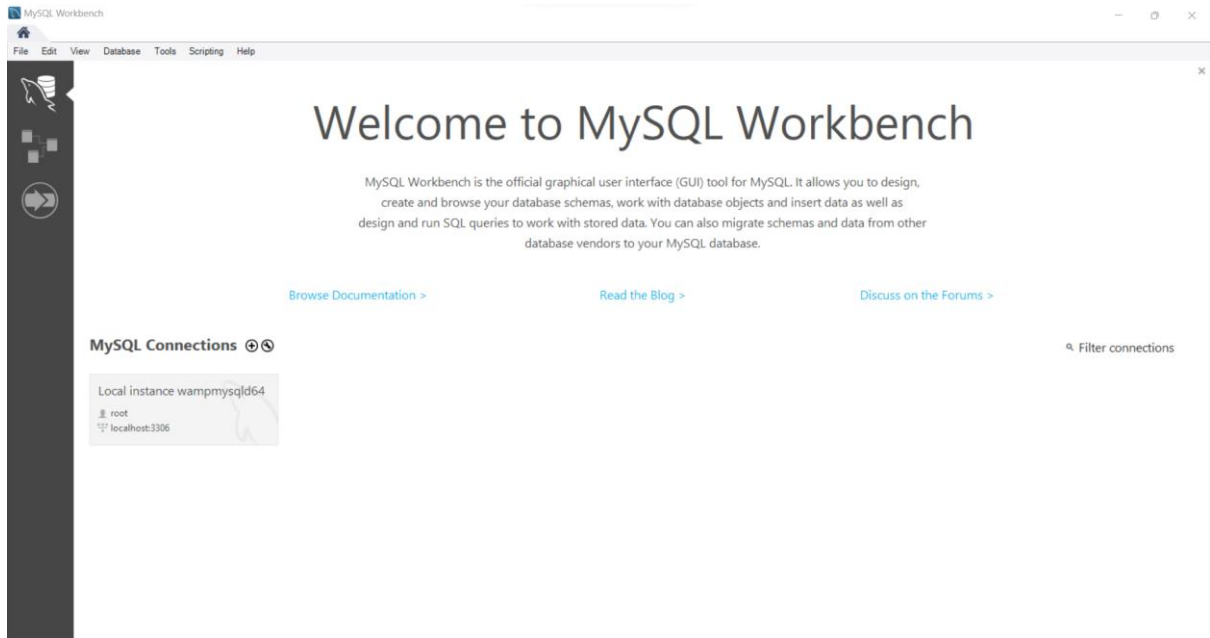
- 1) Download tableau desktop & Mysql in your PC or laptop
- 2) Create a new schema in your Mysql workbench and upload your data
- 3) Connect your Mysql and Tableau
- 4) Create the below 5 charts/plots
  - Bar chart
  - Tree map
  - Heatmap
  - Pie chart
  - Horizontal bar chart

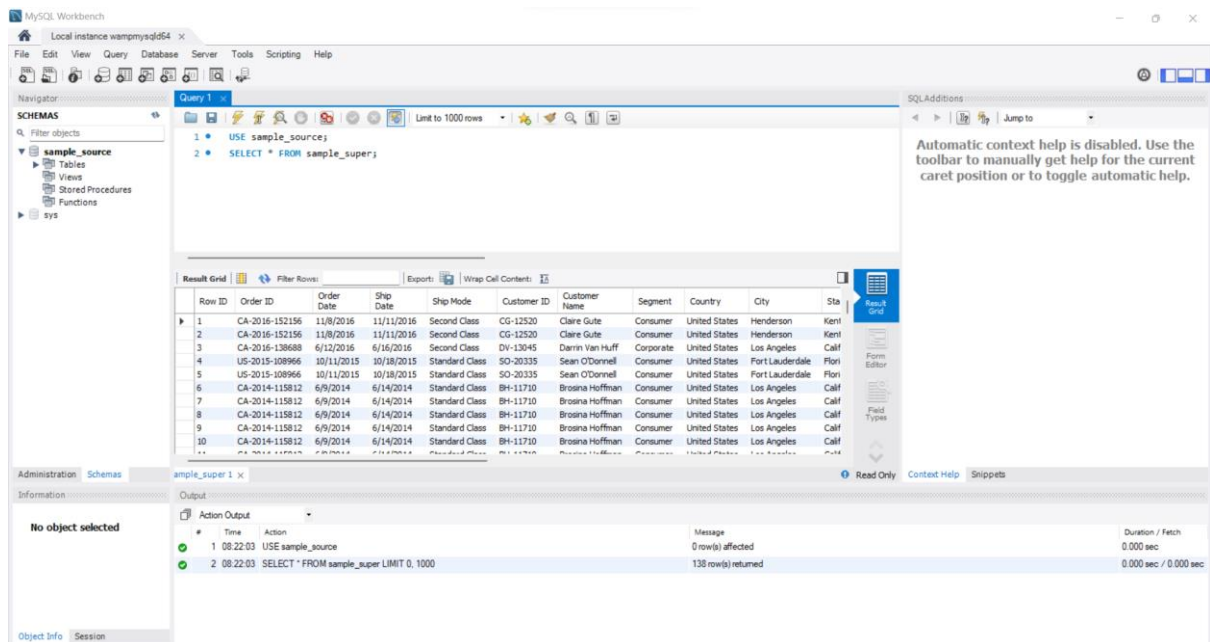
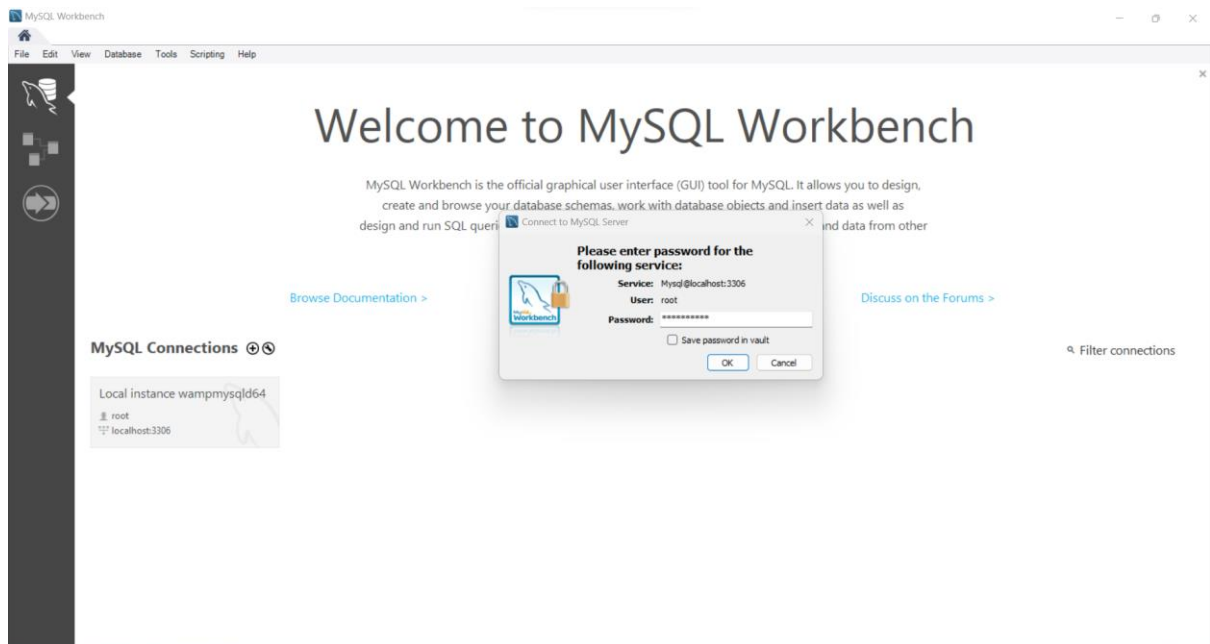
**1) Download tableau desktop & Mysql in your PC or laptop**

### **Tableau desktop:**



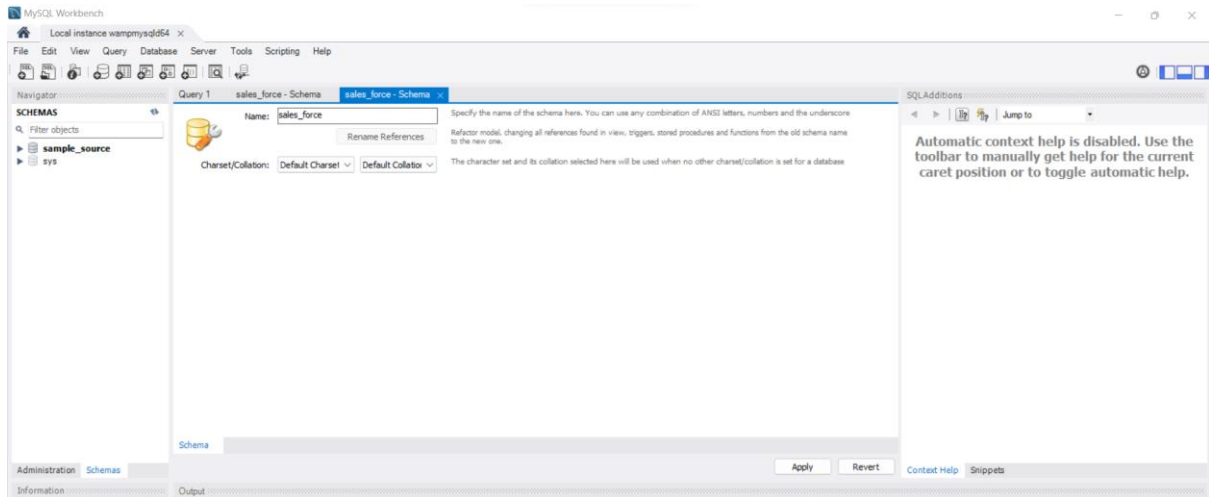
## MySQL:



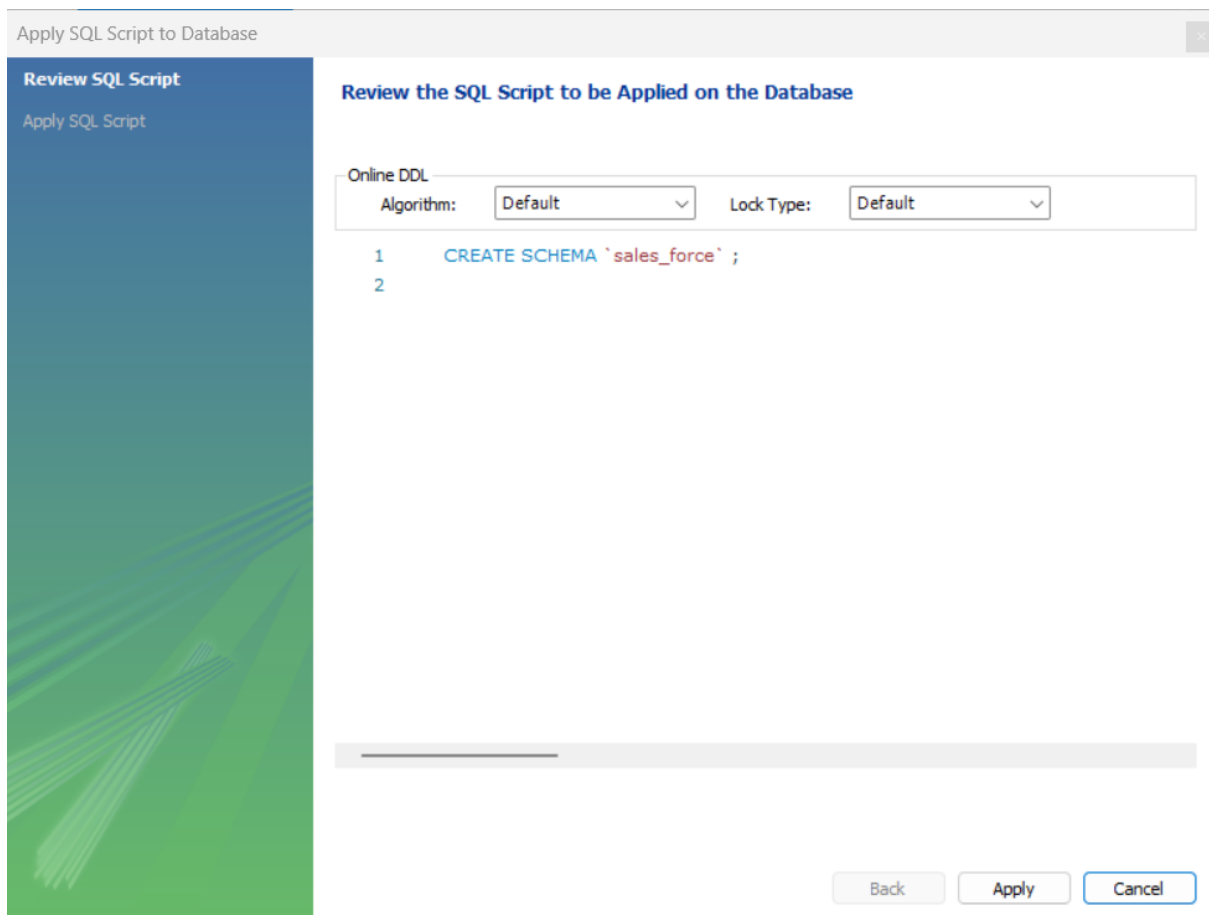


**2) Create a new schema in your Mysql workbench and upload your data**

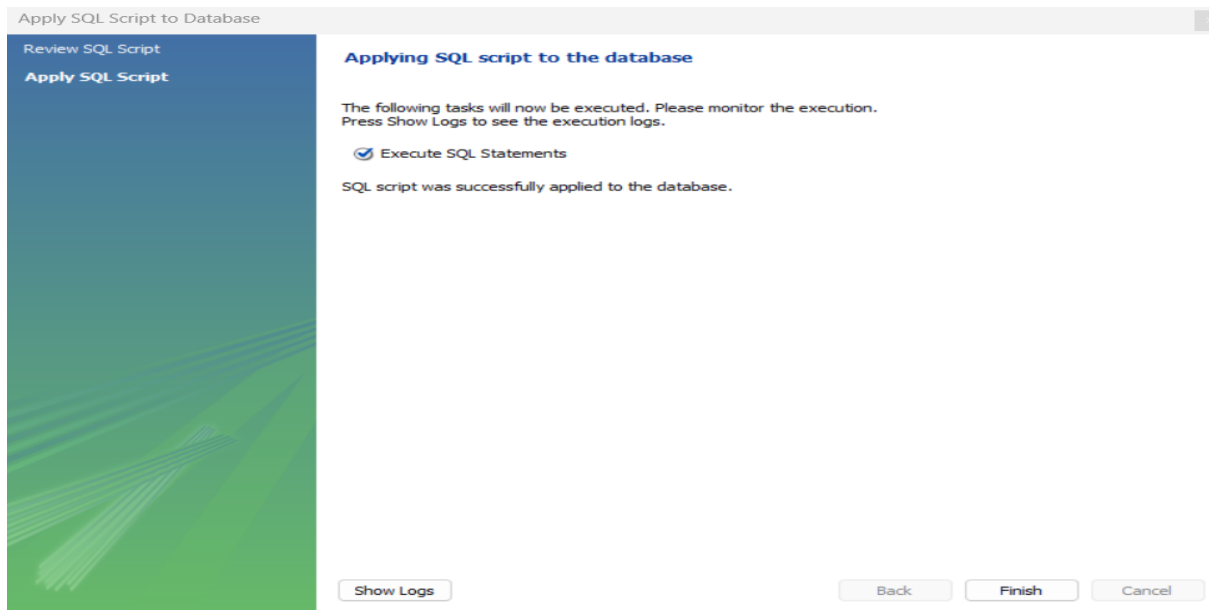
**Step-1: creating sales\_force scheme as shown in below figure.**



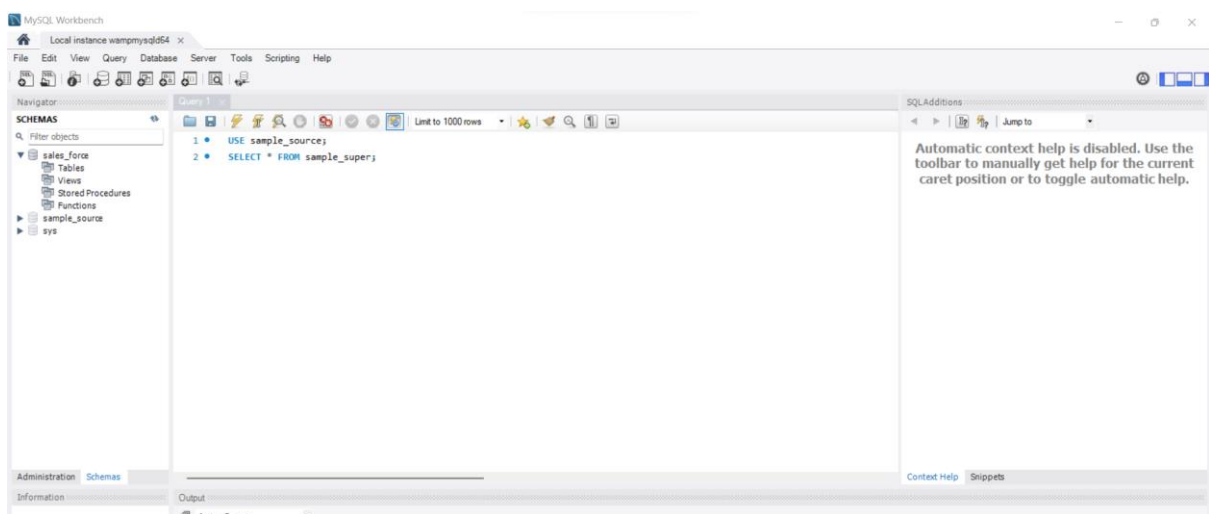
**Step-2:** click on apply and it will redirect into next page as shown below and then click on apply:



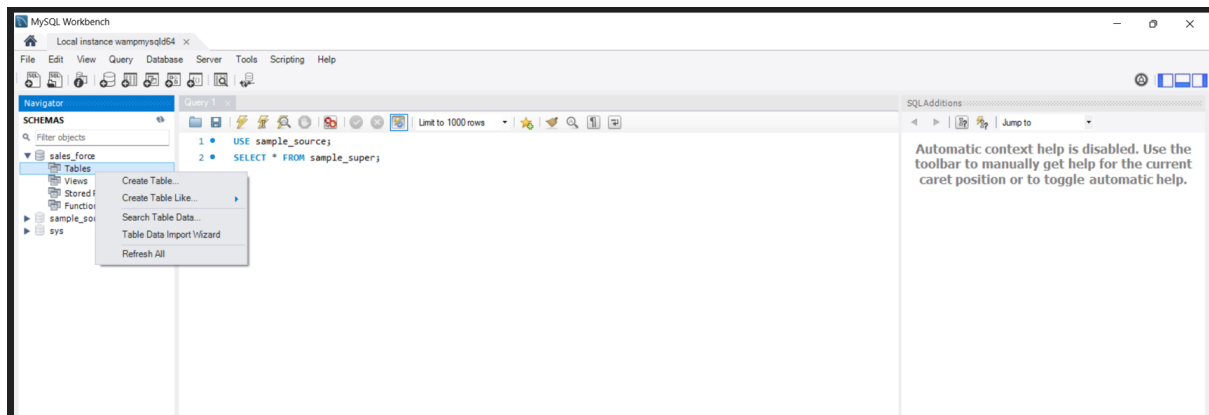
**Step -3:** click on finish button as shown below



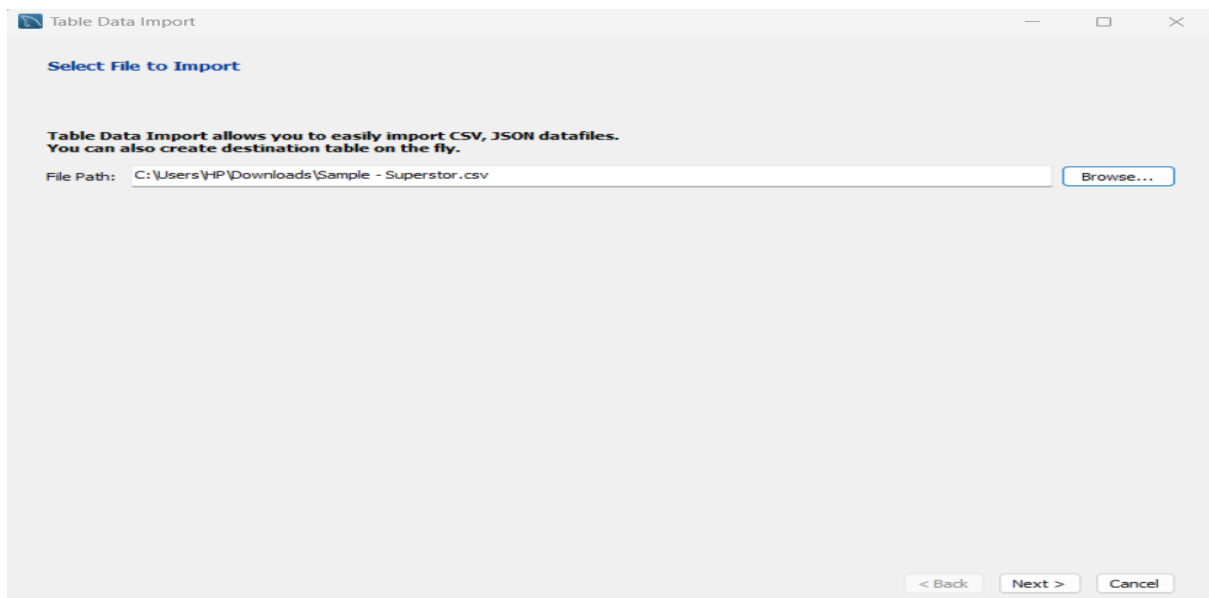
**Step-4:** in schemas section, **sales\_force** schema as shown below:



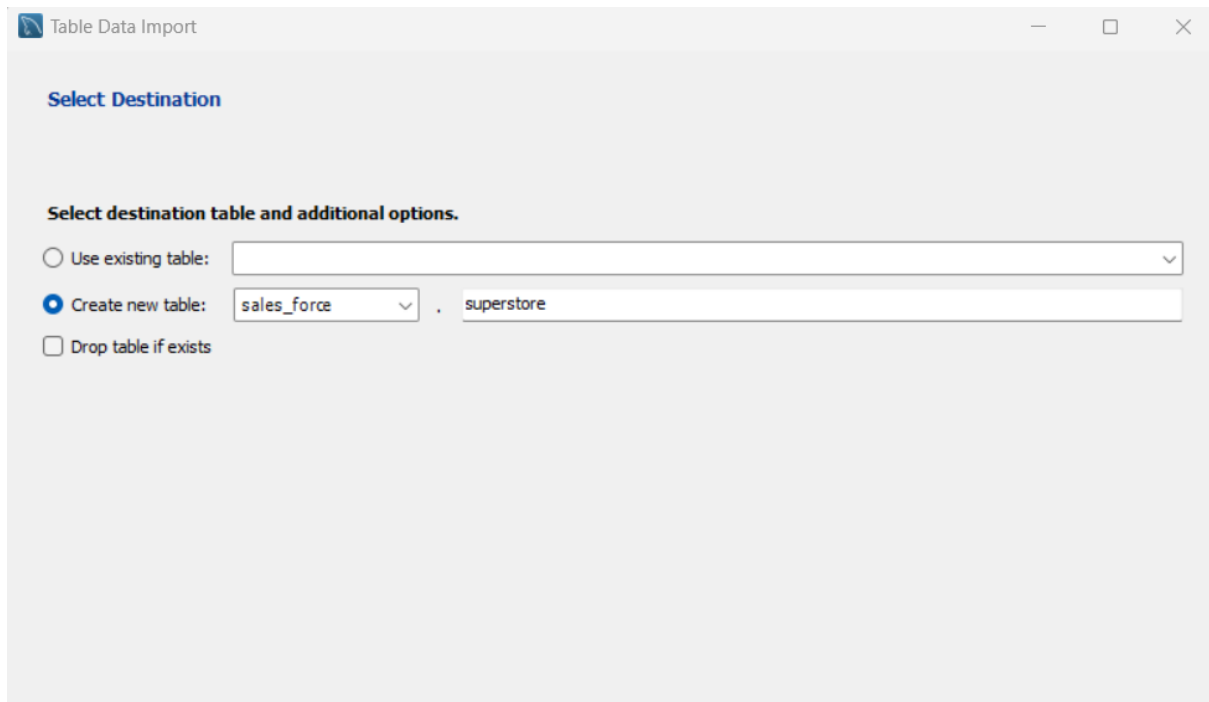
**Step-5:** click on left side arrow of sales\_force it will display a dropdown as shown below right click on table, then click on **table data import wizard** to import the data as shown below:



**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:



The screenshot shows a window titled 'Table Data Import' with standard window controls (minimize, maximize, close) in the top right corner. The main heading is 'Select Destination'. Below this, the instruction 'Select destination table and additional options.' is displayed. There are three options: 'Use existing table:' with an empty dropdown menu, 'Create new table:' which is selected with a blue radio button and shows a dropdown menu with 'sales\_force' and a text field with 'superstore', and 'Drop table if exists' which is an unchecked checkbox.

**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	LosAng
4	US-2015-10...	10/11/2015	10/18/2015	Standard Cl...	SO-20335	Sean O'Don...	Consumer	United States	Fort Lai

< Back

Next >

Cancel

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.

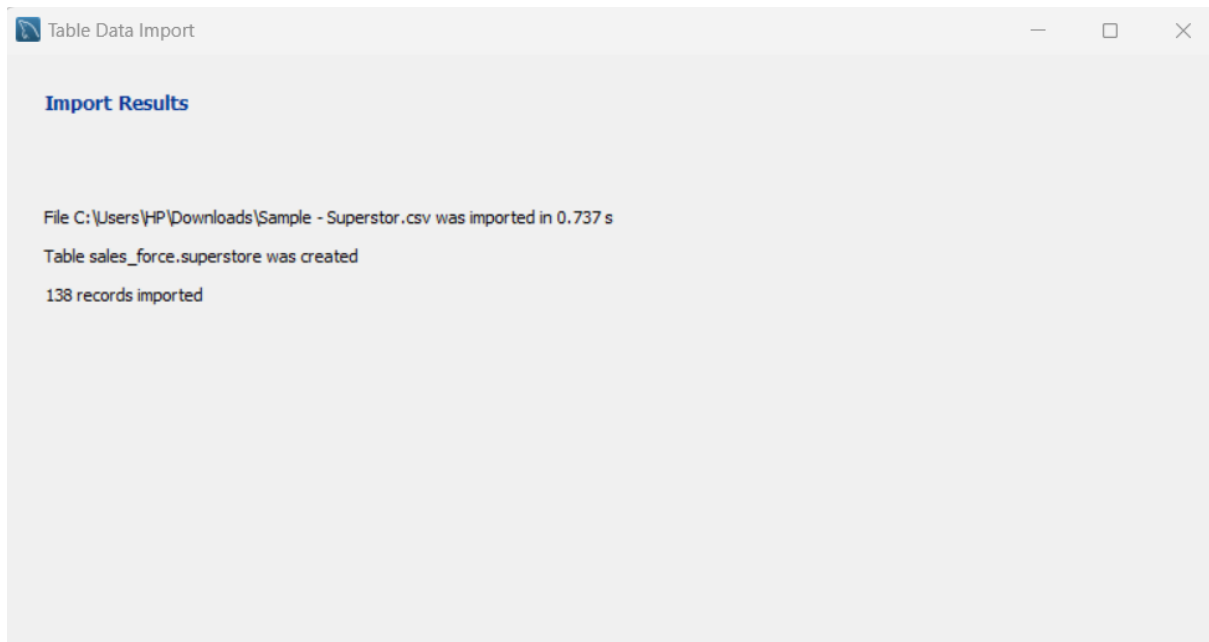
Show Logs

< Back

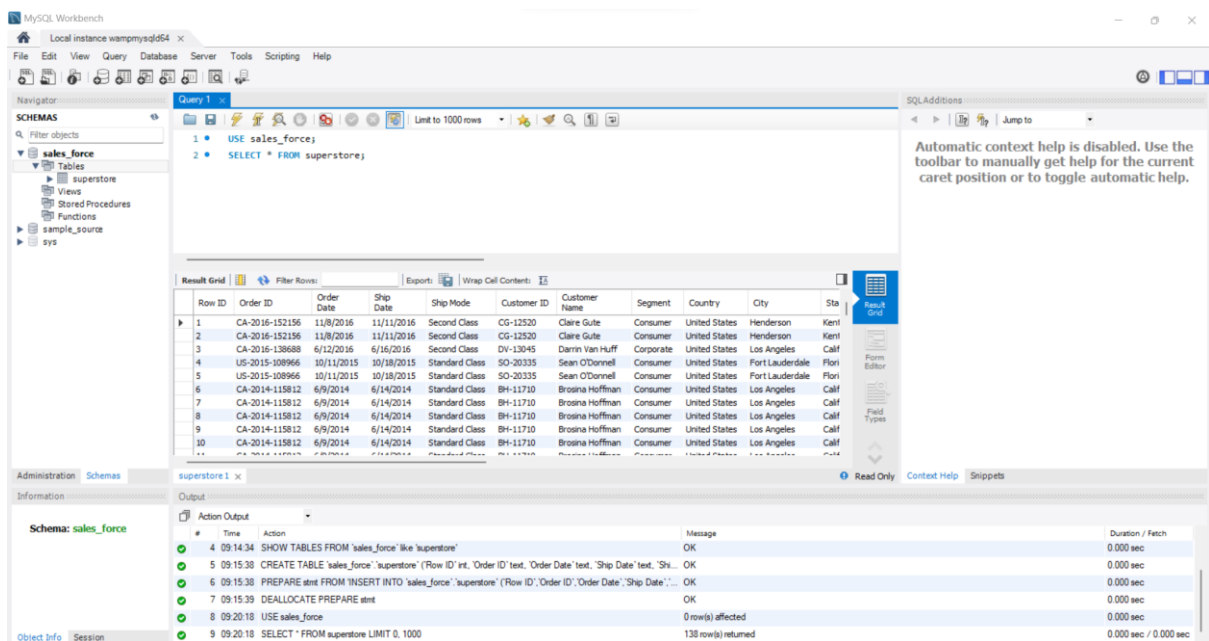
Next >

Cancel



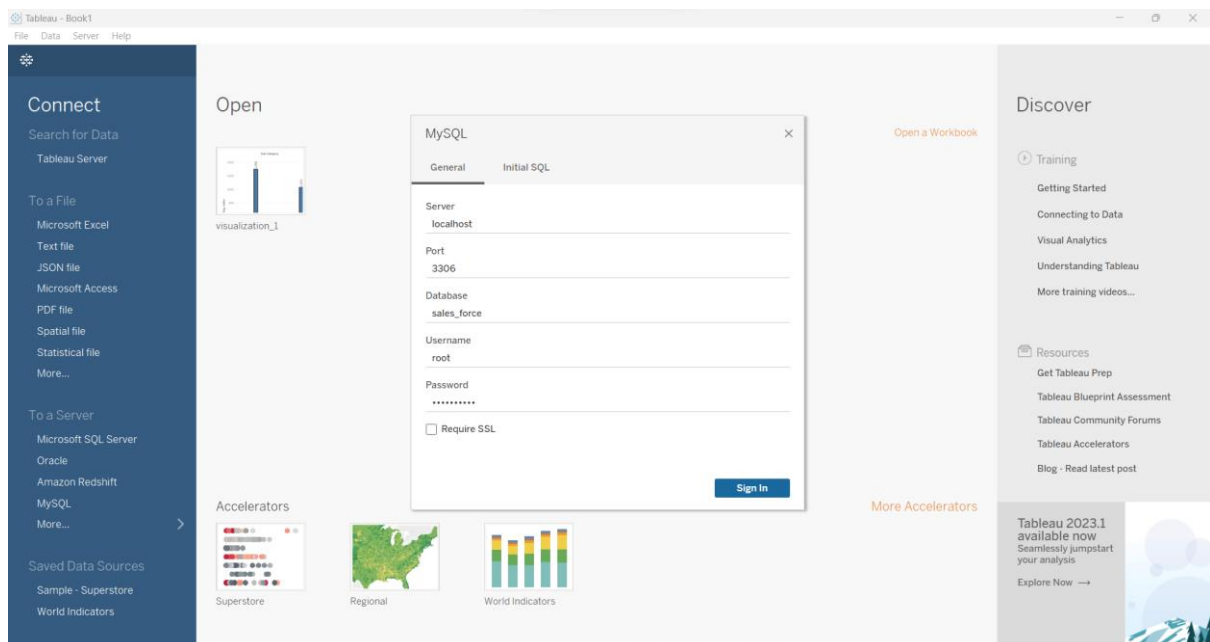


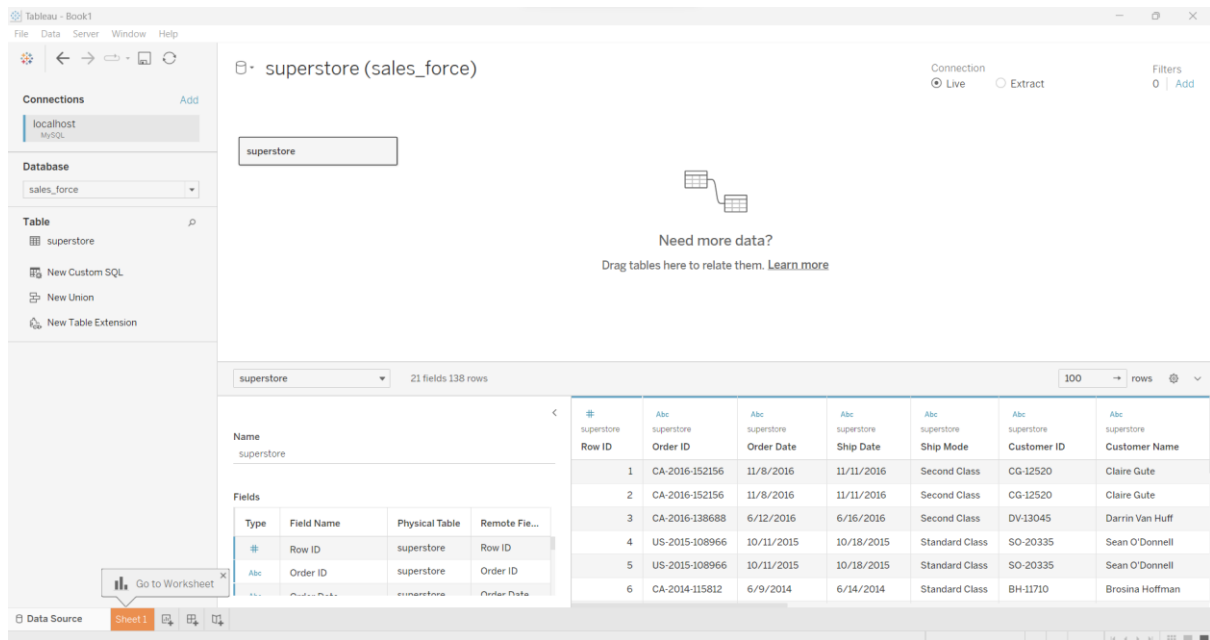
**Step-9:** to check whether data is imported or not write a sql query to display contents from table as shown below:



### 3) Connect your Mysql and Tableau

- After opening both tableau and mysql, in tableau left side pane 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:



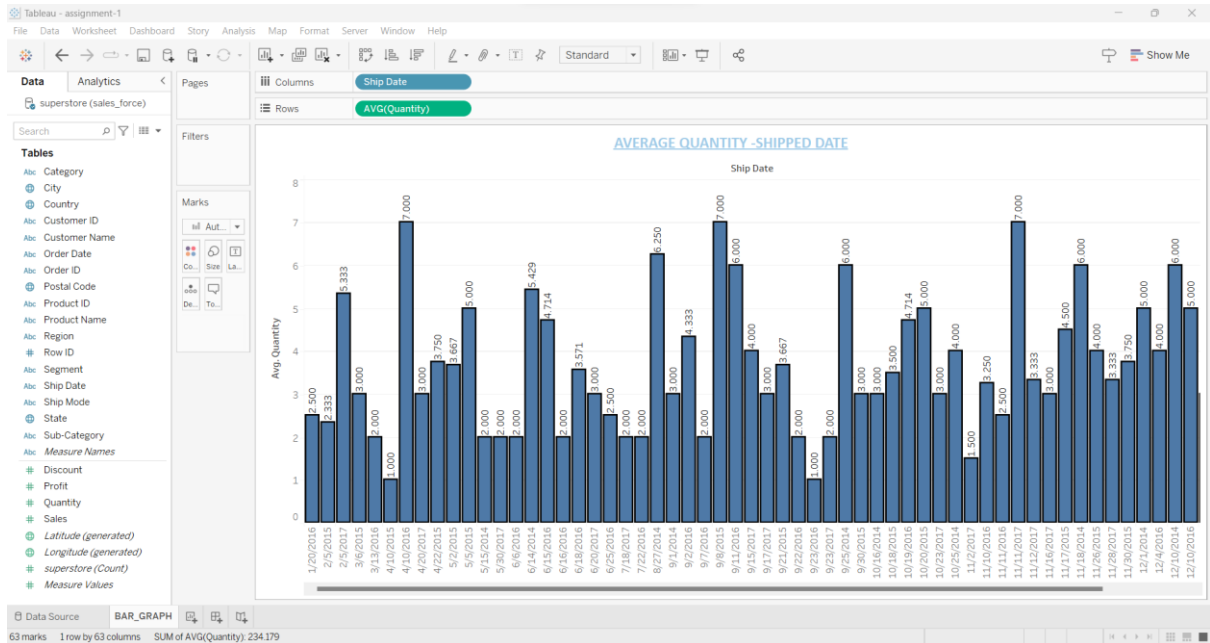


#### 4) Create the below 5 charts/plots

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

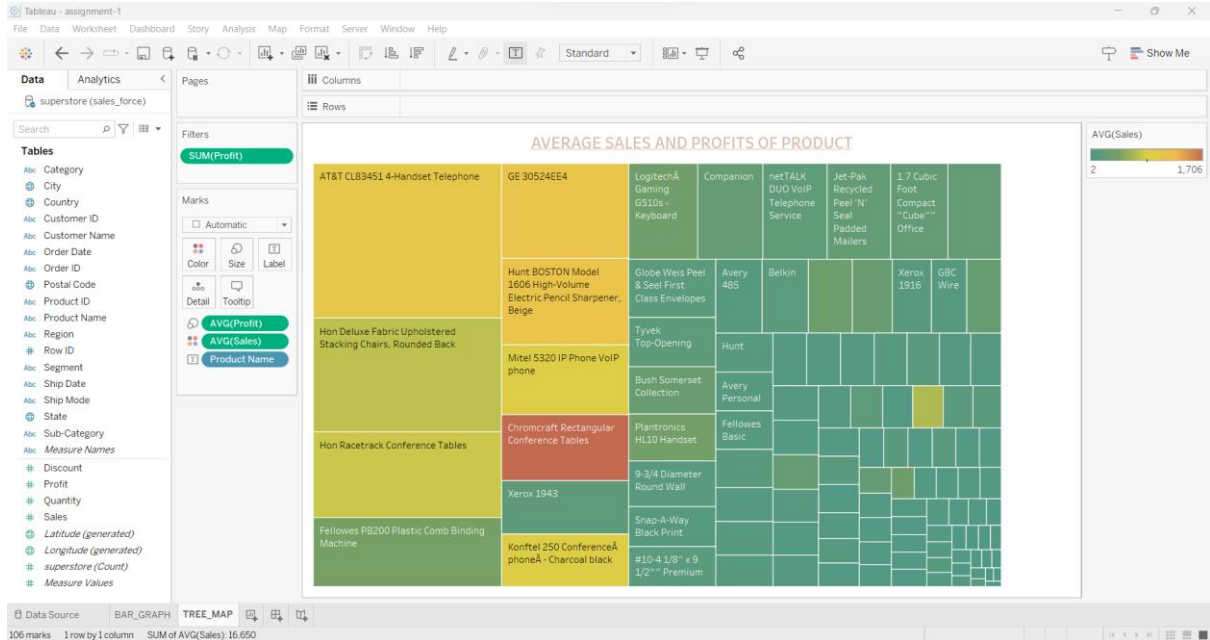
#### Bar chart:

-Average quantity of shipped date



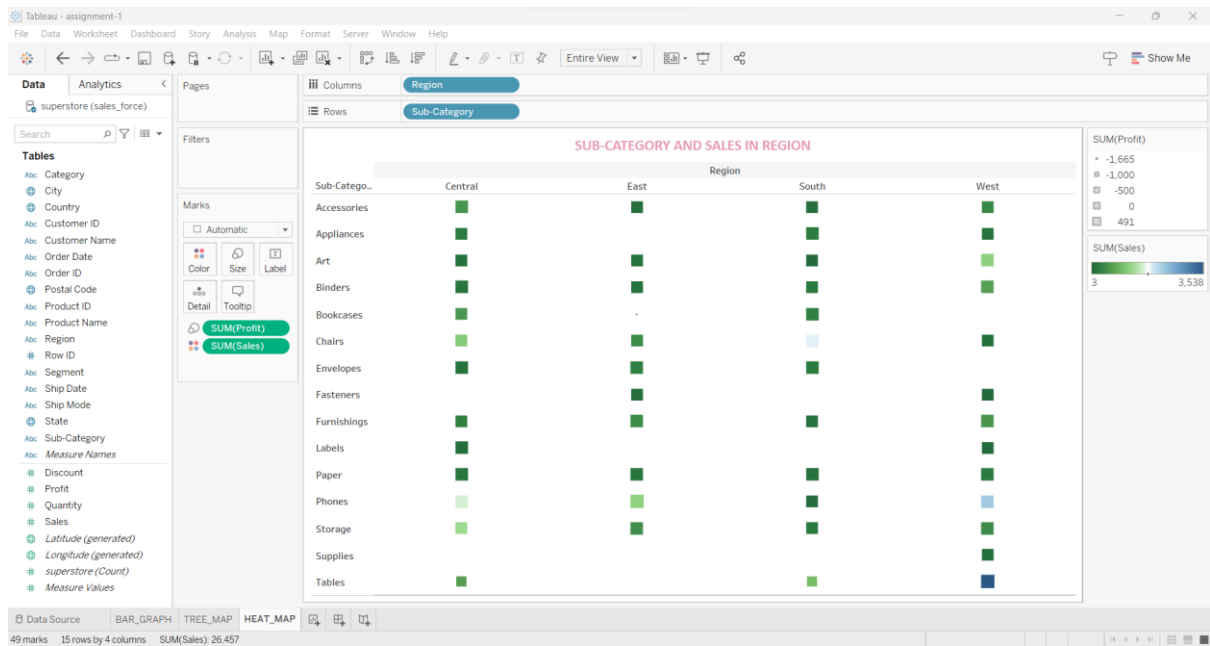
## TREE MAP:

-average sales and profits of product



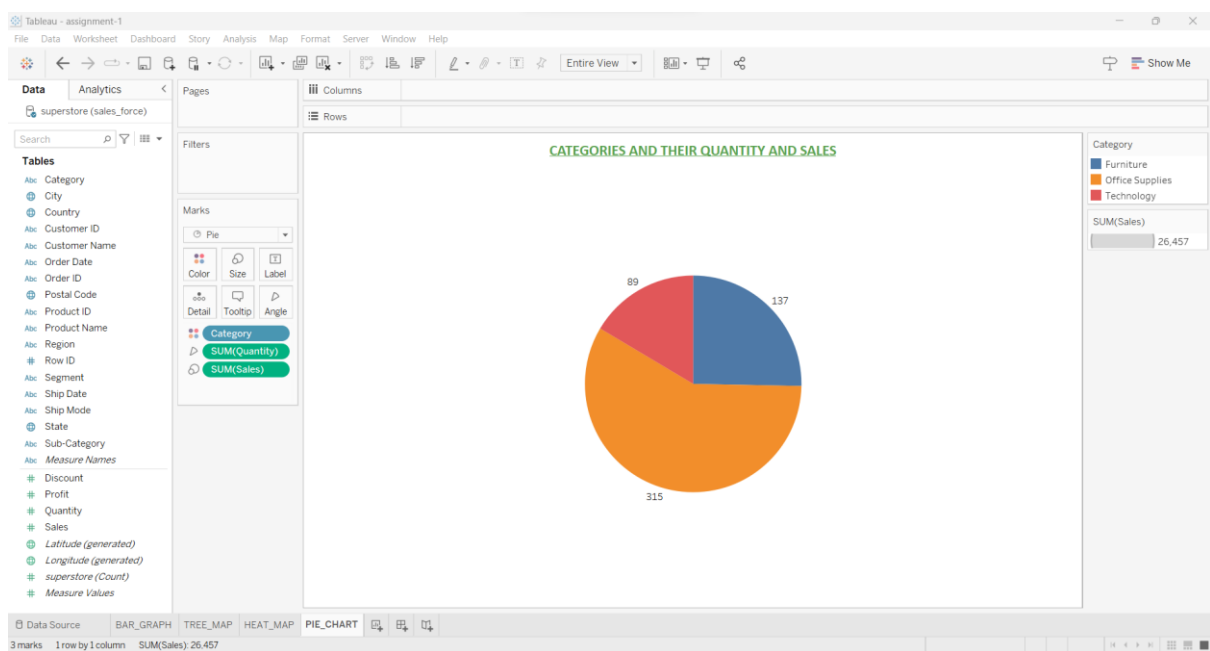
## Heat map:

- subcategories and its sales in regions



## PIE CHART:

-Categories and their quantities and sales



# HORIZONTAL BAR CHART:

-customers and sales

