ASSIGNMENT - 3 --- (Data Analytics)

Let's compete the Assignment provided steps wise :--

Step-1 :-- Upload the Data Set in MySQL .

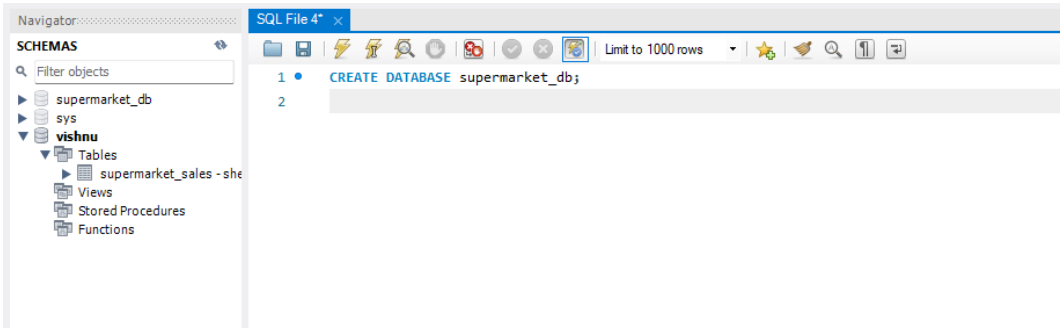
* open MySQL workbench .
* New Schema(DataBase) with a Name - Vishnu .
* After naming the schema(Or Database) , click on the 'schemas' option , & folloe these steps.

* Schemas > vishnu > table > Right Click > 'table data import wizard' . > Import the data Set provided .

* Wait till the dataset is uploaded . Then to write the queries .

Step - 2 :-- Running MySql queries in MySQL workBench to create the tables .

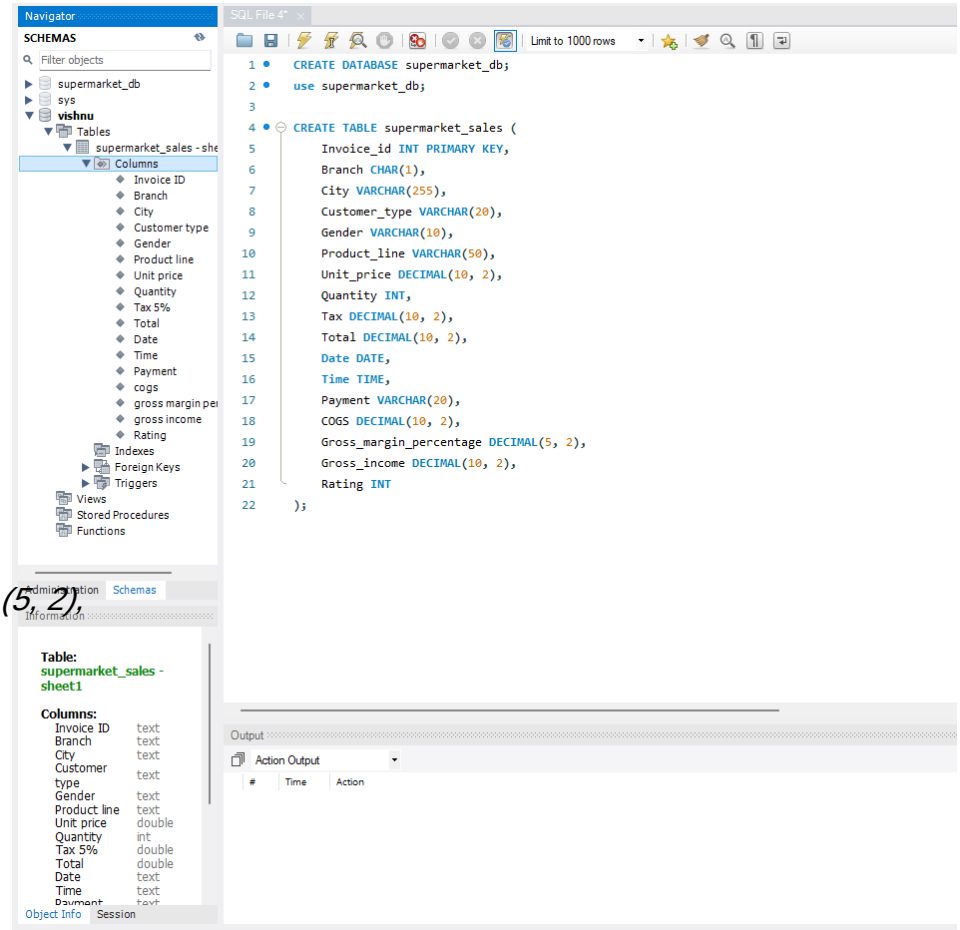
MySQL > CREATE DATABASE supermarket_db;



MySQL > USE CREATE DATABASE supermarket_db;

MySQL >

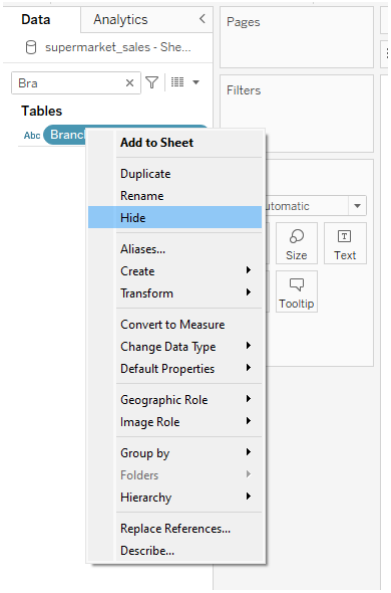
```
CREATE TABLE supermarket_sales (
    Invoice_id INT PRIMARY KEY,
    Branch CHAR(1),
    City VARCHAR(255),
    Customer_type VARCHAR(20),
    Gender VARCHAR(10),
    Product_line VARCHAR(50),
    Unit_price DECIMAL(10, 2),
    Quantity INT,
    Tax DECIMAL(10, 2),
    Total DECIMAL(10, 2),
    Date DATE,
    Time TIME,
    Payment VARCHAR(20),
    COGS DECIMAL(10, 2),
    Gross_margin_percentage DECIMAL(5, 2),
    Gross_income DECIMAL(10, 2),
    Rating INT
);
```



Step - 3 :-- Integrate with Tableau

** follow these steps .*
** Open Tableau Desktop > To a server > Mysql .*

** Now delete the UnNeccessary tables/columns that are not required .*
** Upload the File in the Tableau .*



** We can hide the unneccessary columns in this way .*

** Few Columns that we can hide/remove are 'Branch' , 'city' , 'Gender' , 'tax' , ... etc .*

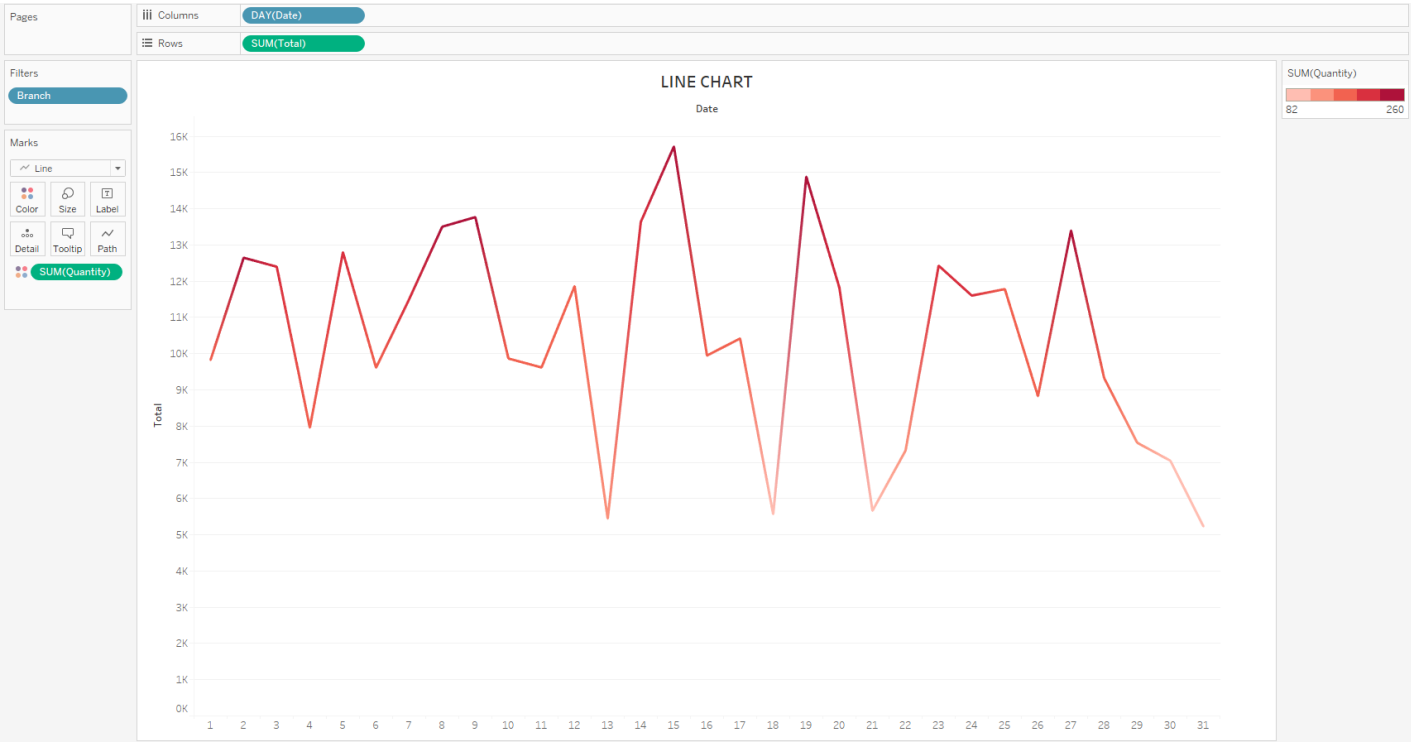
** We should retain columns that are relevant to your analysis .*

** the decision of which columns to hide or keep depends on the specific analysis .*

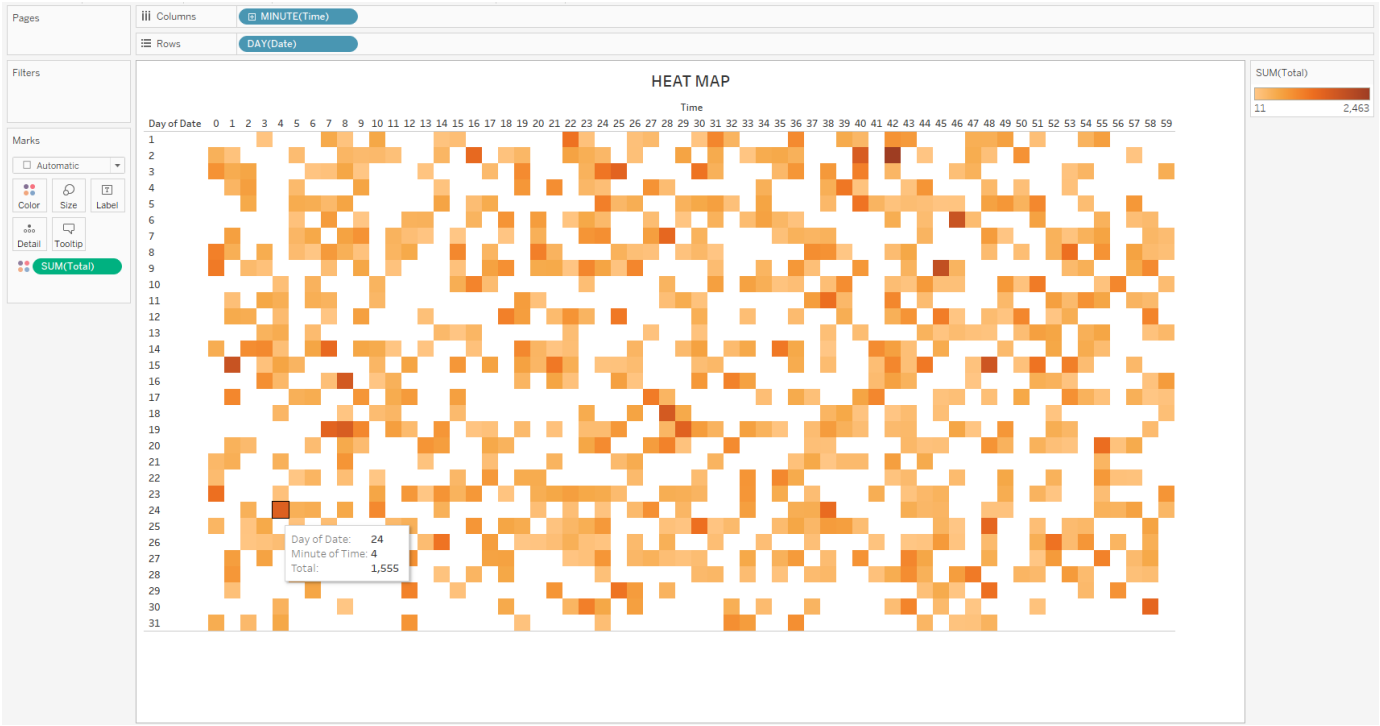
Step- 4 :-- Lets make visualizations with tableau . (4 Visualizations) .

a) Bar Chart :--

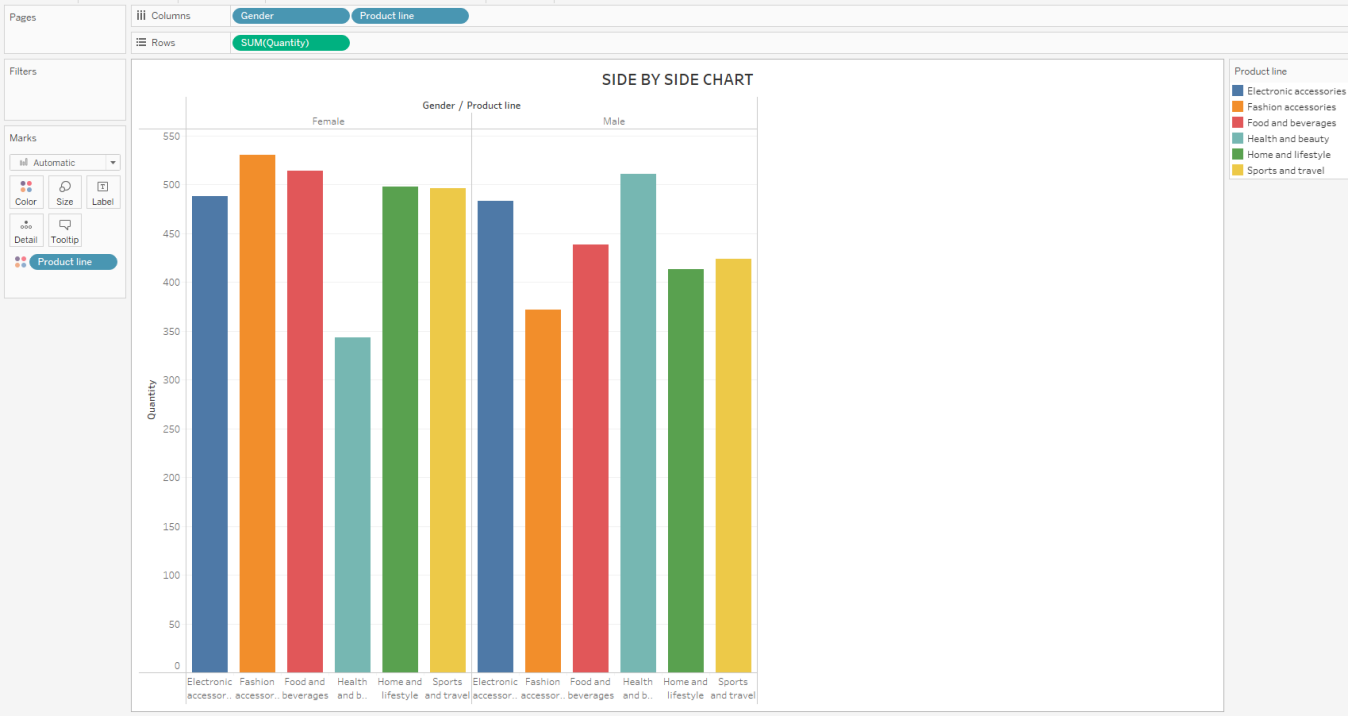
b) Line Chart :--



c) Heat Map :--



d) Side by Side Chart :--



e) Box Plot :--