A Comprehensive Analysis Of Financial Performance : Insights From A Leading Banks

INTRODUCTION

OVERVIEW

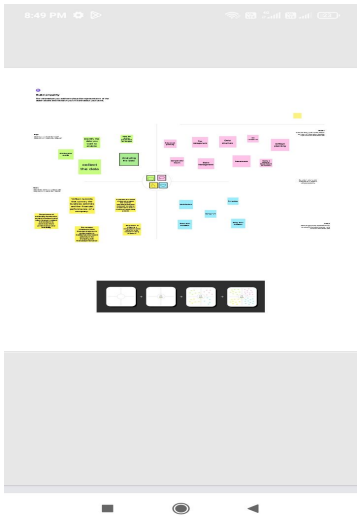
The banking industry world-wide is being transformed .The global include technological innovation ;the deregulation of financial services at the national level and opening -up to international competition ;and equally important -changes in corporate behavior ,such as growing disintermediation and increased emphasis on shareholder value .in addition ,recent banking crises in Asia and Latin America have accentuated these pressures.In this project we are learned to analysis the bank Related data and able to extract some insights from the data using Business Intelligence tools.To Extract the insights from the data and put the data in the form Of Visualizations ,Dashboard and story we employed Tableau tool.

PURPOSE

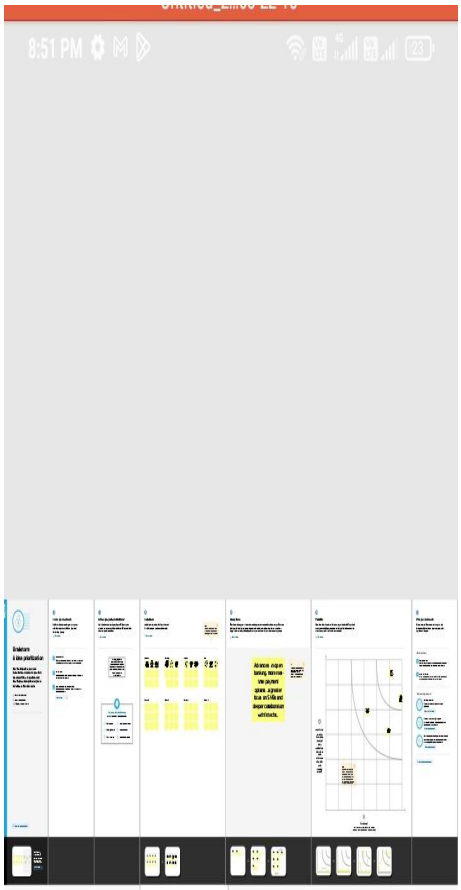
Business deal with a lot of data and analyzing it in its raw form is frequently difficult So Tableau is a data visualization program that allows you to generate basic oriented graph-like data representations by querying cloud databases ,spreadsheets,machine Learning algorithms,social databases ,and other database improvements.

Problem definition &Design Thinking

Empathy Map



Ideation & Brainstoming Map



RESULT

story board

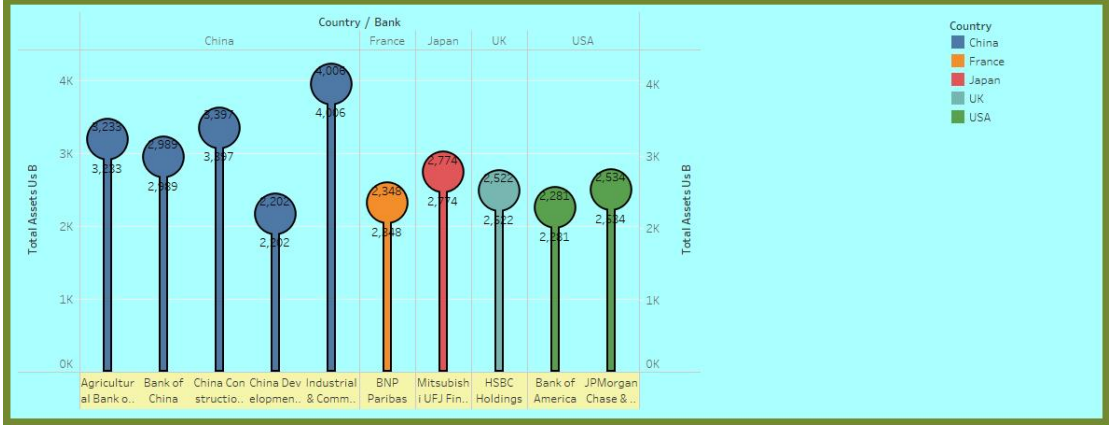
This graph explains me about the total assets of the banks based on.. | total assets of the banks around the world | the graph explains about which country has the maximum ban.. | this is a donut graph which is about total number of banks | this is about total assets in each country | this graph is a balance sheet

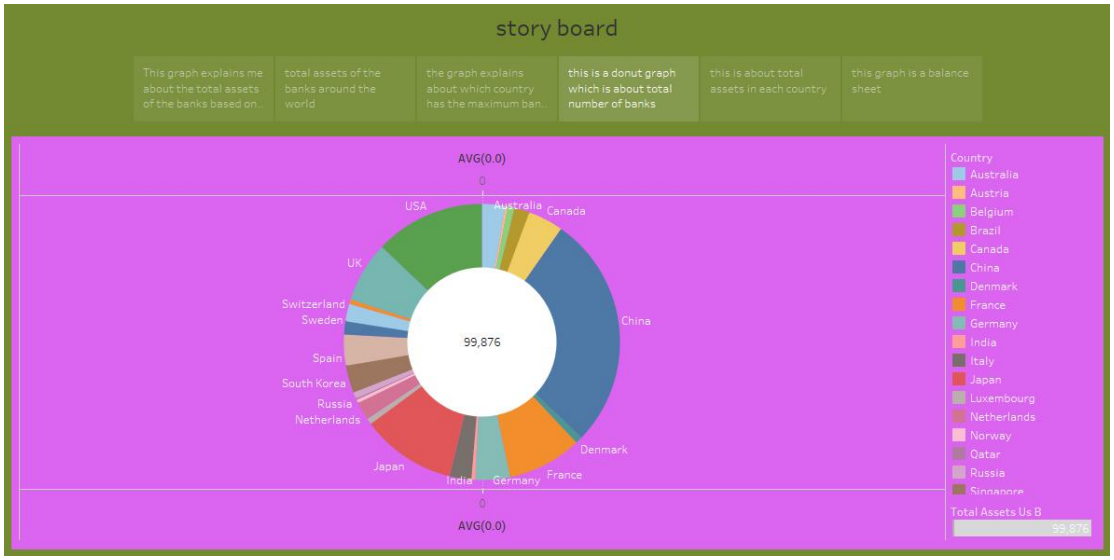
story board

This graph explains me about the total assets of the banks based on.. | total assets of the banks around the world | the graph explains about which country has the maximum ban.. | this is a donut graph which is about total number of banks | this is about total assets in each country | this graph is a balance sheet

story board

This graph explains me about the total assets of the banks based on.. | total assets of the banks around the world | the graph explains about which country has the maximum ban.. | this is a donut graph which is about total number of banks | this is about total assets in each country | this graph is a balance sheet




story board
This graph explains me about the total assets of the banks based on..
total assets of the banks around the world
the graph explains about which country has the maximum ban..
this is a donut graph which is about total number of banks
this is about total assets in each country
this graph is a balance sheet
AVG(0.0)
USA
Australia
Canada
UK
Switzerland
Sweden
China
99,876
Spain
South Korea
Russia
Netherlands
Denmark
Japan
India
Germany
France
AVG(0.0)
Country
Australia
Austria
Belgium
Brazil
Canada
China
Denmark
France
Germany
India
Italy
Japan
Luxembourg
Netherlands
Norway
Qatar
Russia
Singapore
Total Assets Us B

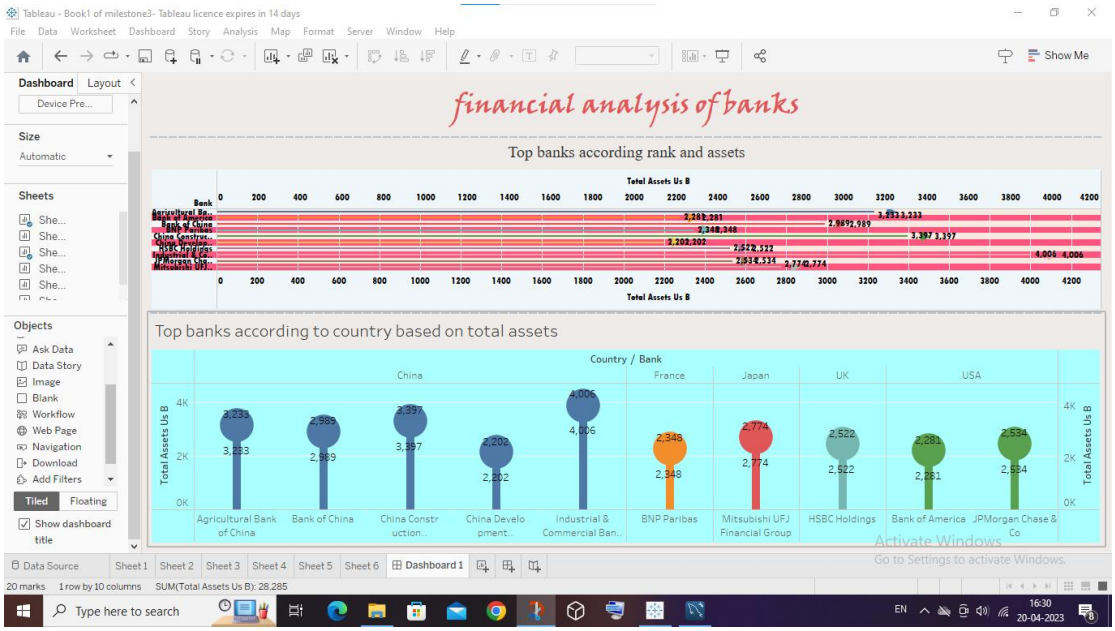
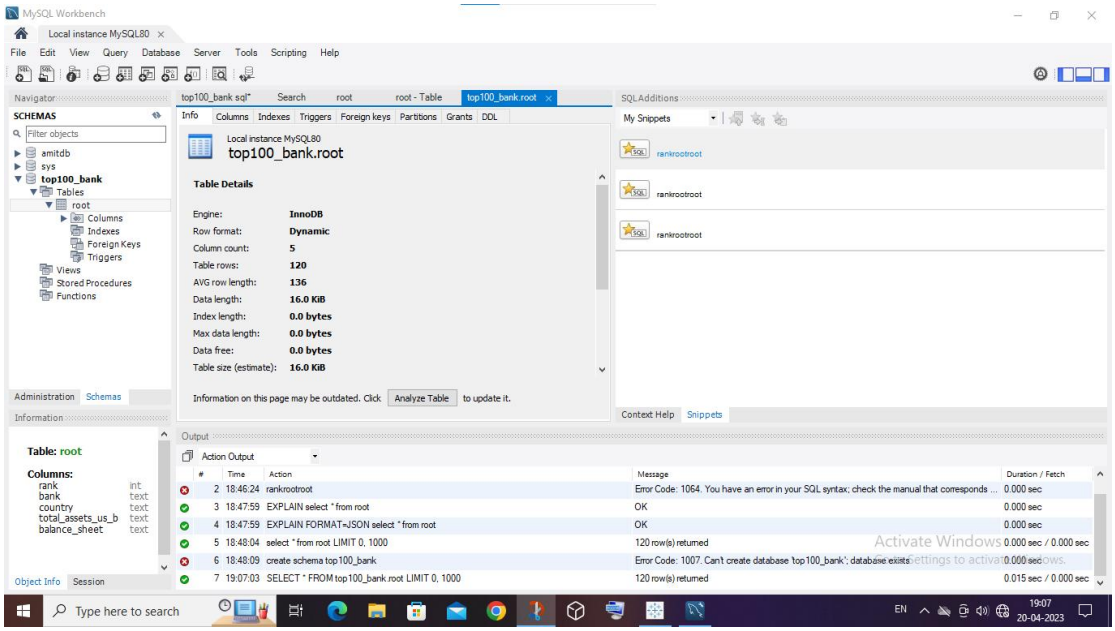


Tableau - Book1 of milestone3- Tableau licence expires in 14 days
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Show Me
Dashboard Layout
Size
Automatic
Sheets
Objects
Ask Data
Data Story
Image
Blank
Workflow
Web Page
Navigation
Download
Add Filters
Tiled Floating
Show dashboard title
financial analysis of banks
Top banks according rank and assets
Total Assets Us B
Top banks according to country based on total assets
Country / Bank
China
France
Japan
UK
USA
Total Assets Us B
Agricultural Bank of China
Bank of China
China Constr uction..
China Develo pment..
Industrial & Commercial Ban..
BNP Paribas
Mitsubishi UFJ Financial Group
HSBC Holdings
Bank of America
JPMorgan Chase & Co
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Dashboard 1
20 marks
1 row by 10 columns
SUM(Total Assets Us B): 28,285
Activate Windows
Go to Settings to activate Windows.
Type here to search
EN
16:30
20-04-2023

story board
This graph explains me about the total assets of the banks based on..
total assets of the banks around the world
the graph explains about which country has the maximum ban..
this is a donut graph which is about total number of banks
this is about total assets in each country
this graph is a balance sheet
Balance Sheet
2016
Q4
December
Q2
June
2017
Q3
September
Q4
December
Country
Australia
Austria
Belgium
Brazil
Canada
China
Denmark
France
Germany
India
Italy
Japan
Luxembourg
Netherlands
0K 5K 10K 15K 20K
Total Assets Us B
Country
All
Country
Australia
Austria
Belgium
Brazil
Canada
China
Denmark
France
Germany
India
Italy
Japan
Luxembourg
Netherlands
Norway
Qatar
Russia


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
amitdb
sys
top100_bank
Tables
root
Columns
Indexes
Foreign Keys
Triggers
Views
Stored Procedures
Functions
top100_bank.root
Table Details
Engine: InnoDB
Row format: Dynamic
Column count: 5
Table rows: 120
AVG row length: 136
Data length: 16.0 KiB
Index length: 0.0 bytes
Max data length: 0.0 bytes
Data free: 0.0 bytes
Table size (estimate): 16.0 KiB
Information on this page may be outdated. Click Analyze Table to update it.
SQLAdditions
My Snippets
Table: root
Columns:
rank int
bank text
country text
total_assets_us_b text
balance_sheet text
Output
Action Output
Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds ...
OK
OK
120 row(s) returned
Error Code: 1007. Can't create database 'top100_bank'; database exists
120 row(s) returned
Activate Windows
Type here to search
19:07
20-04-2023

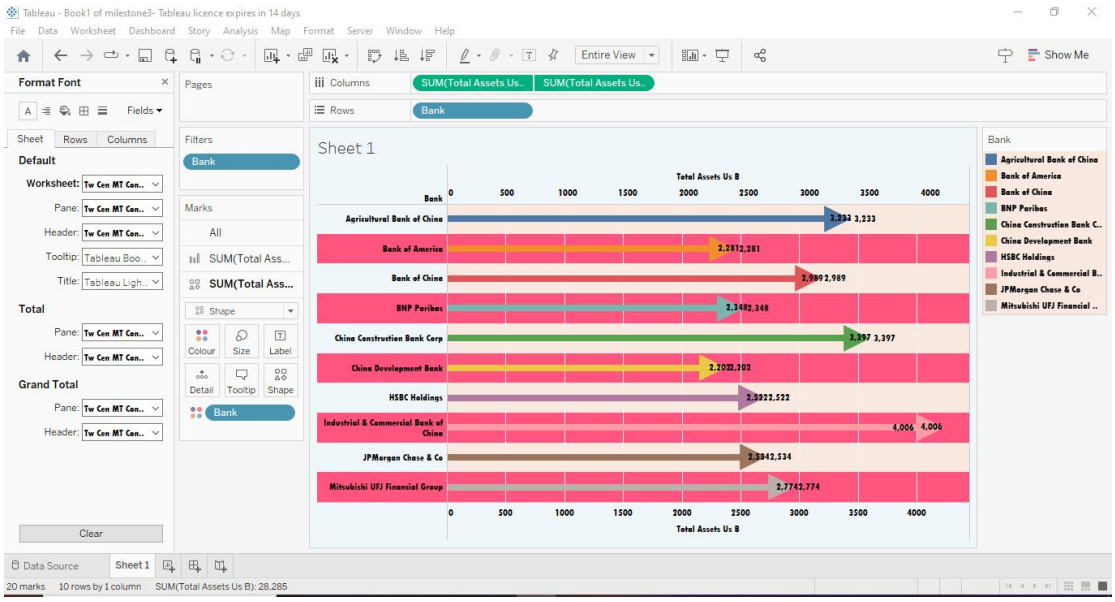
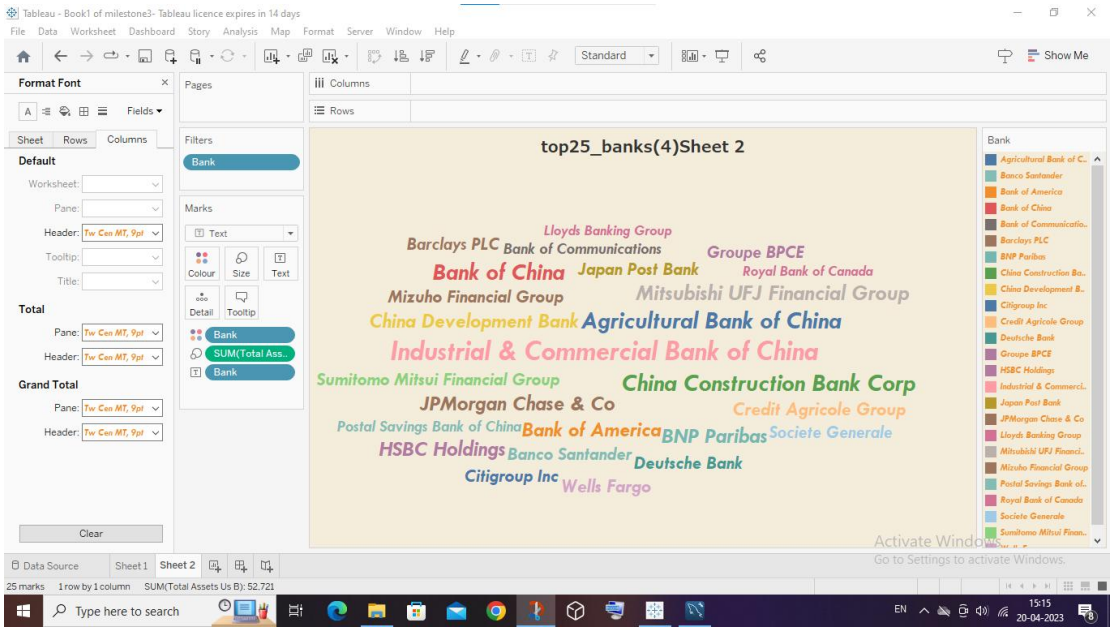
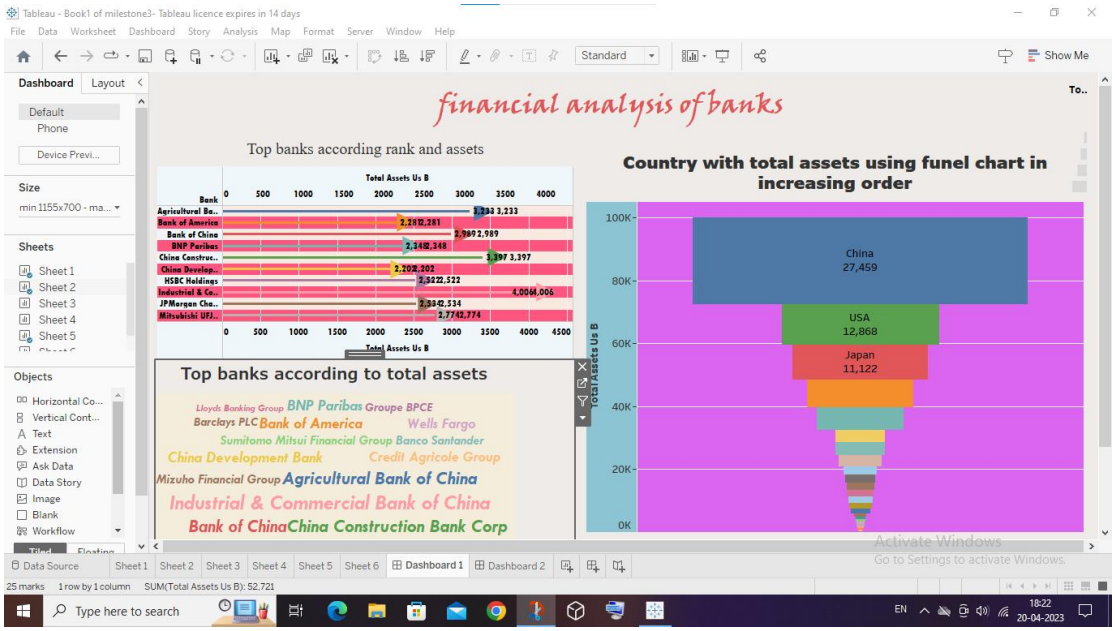


Tableau - Book1 of milestone3- Tableau licence expires in 14 days
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Show Me
Format Font
Pages
Filters
Bank
Marks
All
SUM(Total Ass...
Shape
Colour
Size
Label
Detail
Tooltip
Columns
SUM(Total Assets Us..
Rows
Bank
Sheet 1
Total Assets Us B
Agricultural Bank of China
Bank of America
Bank of China
BNP Paribas
China Construction Bank Corp
China Development Bank
HSBC Holdings
Industrial & Commercial Bank of China
JPMorgan Chase & Co
Mitsubishi UFJ Financial Group
Clear
Data Source
Sheet 1
20 marks
10 rows by 1 column
SUM(Total Assets Us B): 28,285





Advantages & Disadvantages

1. Advantages

- **Data visualization**

Tableau is a data visualization tool first and foremost. It's technology is there to support complex computations,data blending and dashboard for the purpose of creating beautiful visualizations that deliver insights that cannot easily be derived from starting at a spreadsheet. It has climbed to the top of the data visualization heap because of it's dedication to this purpose.

- **Quickly create interactive visualizations**

Using drag-n-drag functionalities of Tableau ,the user can create a very interactive visual within minutes.the interface can handle endless variations while also limiting you from creating charts that are against data visualization best practices.

- **Ease of implementation**

There are many different types of visualization options available in Tableau which enhance the user experience. Also,Tableau is very easy to learn compared to Python,Business objects and demo ,anyone without having knowledge of coding can easily learn Tableau Absent Data.

- **Tableau can handle large amounts of data**

Tableau can handle milions of rows of data with ease.Different types of visualization can be created with a large amount of data without impacting the performance of the dashboards. Also,there is an option in Tableau Where the user can make “live” to connections to different data sources like SQL etc.

- **Mobile Support and Respective Dashboard**

Tableau has done a great job climb its way to the top of data visualization tools.So, according to Gamer magic Quadrant .Tableau Dashboard has a gre reporting feature that allows you to customize dashboard specifically for a certain device such as a mobile board or laptop.Tableau automatially understands which device is the user is viewing the report on and make adjustments to ensure that report is severed to the right device.

2. **DISADVANTAGES**

- **Scheduling or notification of reports**

Tableau does not provide the feature of automatic refreshing of the reports with the help of scheduling.There is no option of scheduling in Tableau .Therefore ,there is always some manual effort required when users need to update the data in the back end.

- **No Custom visual impotrs**

Tableau’s is not a complete open tool .unlike Power BI,developers can create custom visuals that can be easily imported tableau .So,any new visuals need to be recreated instead of imported.

- **Custom formatting in Tableau**

Tableau’s conditional formatting and limited 16 column table displays are pain points for users.Also, to implement the same formatting to multiple fields there is no way a user can do that for all fields directly.

APPLICATIONS

Tableau is basically a data visualization tool which provides pictorial and graphical representations of data. In Tableau ,you can gain insights that you never thought possible.You can play with interactive visualizations,deploy data drilling tools and explore various data that is available and with tableau ,it is all about an easy and interactive approach.

MySQL is a relational database management system based on SQL Structured Query Language.The application is used for a wide range of purposes, including data Warehousing e-commerce,and logging applications.

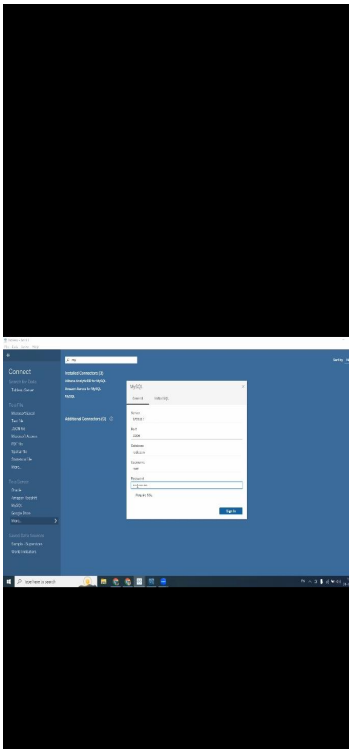
CONCLUSION

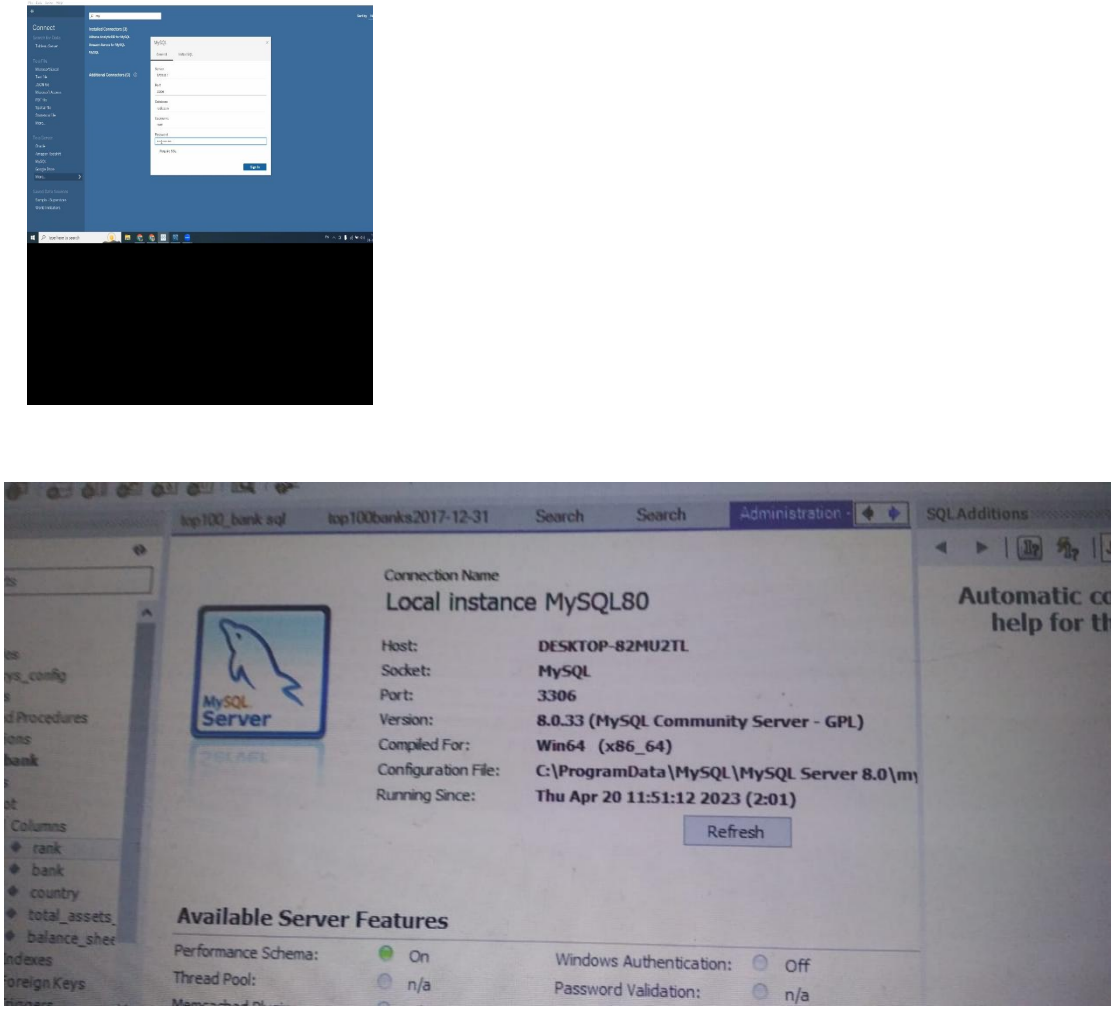
From this we can learned briefly about the tableau how can use it and its Applications .We can understand the team work importance,understanding and knowledge capacity. We are learned more about Business requirements ,Data collection,social impacts,SQL operators ,Data preparation,data Visualization and Dashboard.

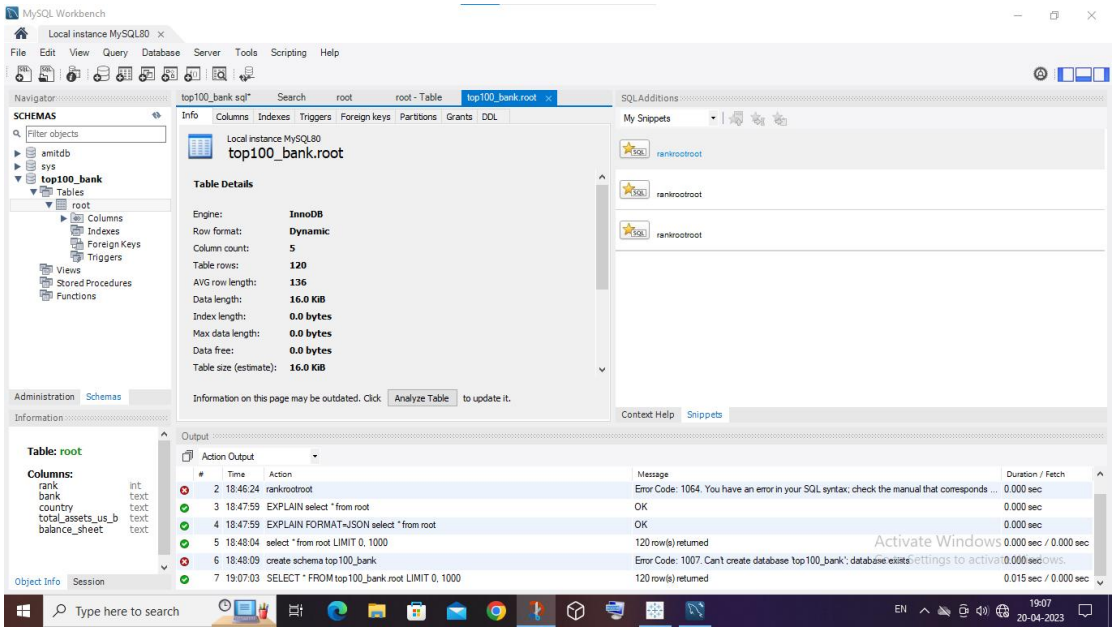
FUTURE SCOPE

The demand for Data visualization is increasing rapidly and businesses are gaining a huge advantage since it allows them to get actionable insights in very little time so Tableau is most used software for data visualization.This Software provides rapid visualizations and as a result, it helps businesses to make decisions quickly.This project is very useful to my future courier .So thank you for Naan muthalvan team.

APPENDIX




top100_bank sql
top100banks2017-12-31
Search
Search
Administration
SQL Additions
Connection Name
Local instance MySQL80
Host: DESKTOP-82MU2TL
Socket: MySQL
Port: 3306
Version: 8.0.33 (MySQL Community Server - GPL)
Compiled For: Win64 (x86_64)
Configuration File: C:\ProgramData\MySQL\MySQL Server 8.0\m
Running Since: Thu Apr 20 11:51:12 2023 (2:01)
Refresh
MySQL Server
Available Server Features
Performance Schema: On
Thread Pool: n/a
Windows Authentication: Off
Password Validation: n/a
Automatic co
help for th
Columns
rank
bank
country
total_assets_
balance_shee
Indexes
Foreign Keys


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
amitdb
sys
top100_bank
Tables
root
Columns
Indexes
Foreign Keys
Triggers
Views
Stored Procedures
Functions
Administration Schemas
Information
Table: root
Columns:
rank int
bank text
country text
total_assets_us_b text
balance_sheet text
Object Info Session
top100_bank sql* Search root root - Table top100_bank.root
Info Columns Indexes Triggers Foreign keys Partitions Grants DDL
Local instance MySQL80
top100_bank.root
Table Details
Engine: InnoDB
Row format: Dynamic
Column count: 5
Table rows: 120
AVG row length: 136
Data length: 16.0 KiB
Index length: 0.0 bytes
Max data length: 0.0 bytes
Data free: 0.0 bytes
Table size (estimate): 16.0 KiB
Information on this page may be outdated. Click Analyze Table to update it.
SQLAdditions
My Snippets
rankrootroot
rankrootroot
rankrootroot
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
2 18:46:24 rankrootroot Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds ... 0.000 sec
3 18:47:59 EXPLAIN select * from root OK 0.000 sec
4 18:47:59 EXPLAIN FORMAT=JSON select * from root OK 0.000 sec
5 18:48:04 select * from root LIMIT 0, 1000 120 row(s) returned 0.000 sec / 0.000 sec
6 18:48:09 create schema top100_bank Error Code: 1007. Can't create database 'top100_bank'; database exists 0.000 sec
7 19:07:03 SELECT * FROM top100_bank.root LIMIT 0, 1000 120 row(s) returned 0.015 sec / 0.000 sec
Activate Windows
Type here to search
EN
19:07
20-04-2023

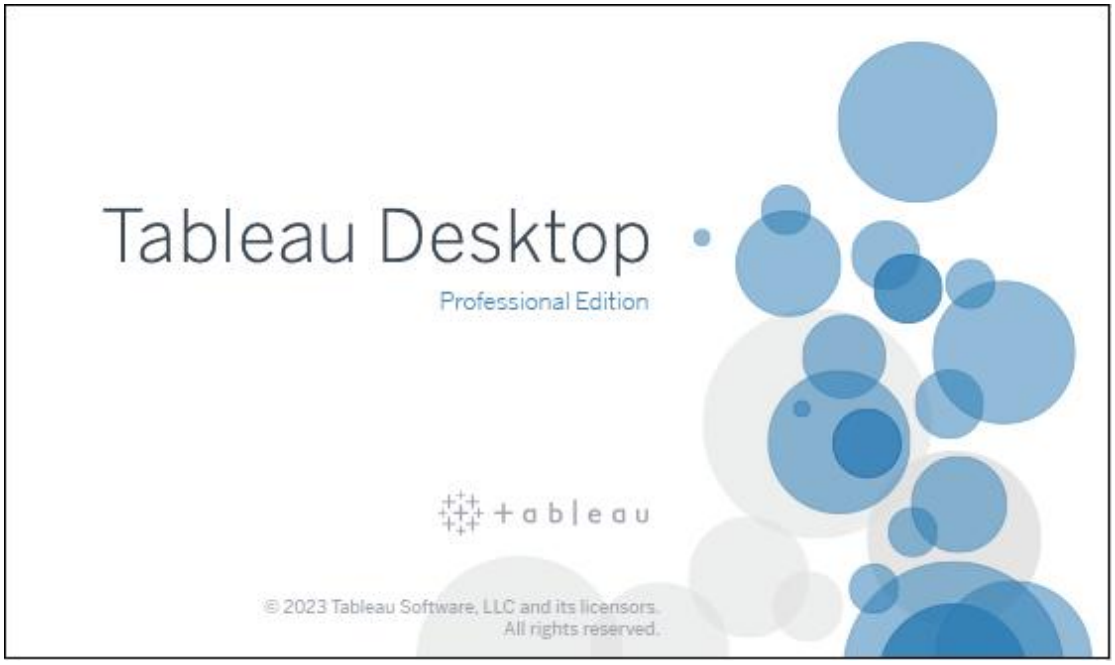


Tableau Desktop
Professional Edition
+ableau
© 2023 Tableau Software, LLC and its licensors.
All rights reserved.