**Tableau Assignment**

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**1. What is Tableau?**

a) A cloud storage service

b) A database management system

c) A data visualization tool

d) A programming language

Ans: c) A data visualization tool

**2. What is a Tableau workbook?**

a) A video recording

b) A Word document

c) An image collection

d) A collection of worksheets and dashboards

ans=d) A collection of worksheets and dashboards

**3. Which of these file extensions is used for Tableau Workbooks?**

a) .csv

b) .xls

c) .twbx

d) .tde

ans=c) .twbx

**4. Which of the following is NOT a Tableau product?**

a) Tableau Server

b) Tableau Desktop

c) Tableau DBMS

d) Tableau Cloud

ans=c) Tableau DBMS

**5. What is a Tableau dashboard?**

a) A collection of multiple visualizations

b) A data extraction tool

c) A single chart

d) A database schema

ans=a) A collection of multiple visualizations

**6. What is the role of Tableau Reader?**

a) Extracting data

b) Viewing Tableau reports

c) Managing permissions

d) Creating dashboards

ans=b) Viewing Tableau reports

**7. Which Tableau feature is used to create dynamic filters?**

a) Groups

b) Calculated fields

c) Sets

d) Parameters

ans=d) Parameters

**8. What does a calculated field in Tableau do?**

a) Visualizes geographic data

b) Exports data

c) Filters the data

d) Performs custom computations

ans=d) Performs custom computations

**9. Which Tableau chart type is best for showing trends over time?**

a) Bar Chart

b) Pie Chart

c) Line Chart

d) Scatter Plot

ans=c) Line Chart

**10. In Tableau, which operator is used for string concatenation?**

a) CONCAT()

b) ||

c) +

d) &

ans=b) ||

**11. Which is an essential step when starting with Tableau?**

a) Writing SQL queries

b) Installing drivers

c) Importing data

d) Coding in Python

ans=c) Importing data

**12. Which of the following is NOT a Tableau file type?**

a) .hyper

b) .xlsx

c) .twb

d) .tde

ans=b) .xlsx

**13. Which function in Tableau aggregates data?**

a) SUM()

b) MIN()

c) MAX()

d) All of the mentioned

ans=d) All of the mentioned

**14. What is the purpose of a Tableau LOD expression?**

a) To blend data sources

b) To join data

c) To perform calculations at different levels of granularity

d) To filter data

ans=c) To perform calculations at different levels of granularity

**15. What is a data blend in Tableau?**

a) Cleaning data for visualization

b) Combining data from unrelated data sources

c) Merging data from different sheets of the same workbook

d) Exporting data into a single file

ans=b) Combining data from unrelated data sources

**16. What is the difference between live and extract connections in Tableau?**

a) Extract connections use databases, while live connections use files

b) Extract connections are used only for filters

c) Live connections allow real-time updates, while extracts store static snapshots of data

d) Live connections are faster than extracts

ans=c) Live connections allow real-time updates, while extracts store static snapshots of data

**17. What is a “Heatmap” in Tableau?**

a) A chart showing trends over time

b) A tool for combining data sources

c) A graphical representation of data using colors to show density

d) A filter to remove null values

ans=c) A graphical representation of data using colors to show density

**18. What is Tableau Server primarily used for?**

a) Creating data visualizations

b) Sharing dashboards and data securely

c) Cleaning and transforming data

d) Managing databases

ans=b) Sharing dashboards and data securely

**19. Which feature allows users to quickly identify errors or inconsistencies in their data connections?**

a) Data Interpreter

b) Extract Engine

c) Columns Shelf

ans=d) Marks Card

a) Data Interpreter

**20. What is the difference between a join and a union in Tableau?**

a) Joins combine columns, unions stack rows

b) Joins are for databases, unions are for text files

c) Joins merge rows, unions merge columns

d) There is no difference

ans=a) Joins combine columns, unions stack rows

**21. What is a Dimension in Tableau?**

a) A visualization template

b) A calculated field

c) A numeric value

d) A categorical field

ans=d) A categorical field

**22. Which Tableau feature allows navigation between dashboards?**

a) Filters

b) Stories

c) Parameters

d) Actions

ans=d) Actions

**23. What is Tableau Public?**

a) A training platform

b) A version for government use

c) A free version for sharing visualizations online

d) A standalone server

ans=c) A free version for sharing visualizations online

**24. What is a pie chart in Tableau best suited for?**

a) Comparing continuous data

b) Showing proportions and percentages

c) Time-based analysis

d) Analyzing scatter distributions

ans=b) Showing proportions and percentages

**25. What is the Show Me panel in Tableau mainly used for?**

a) Importing large datasets

b) Creating custom calculated fields

c) Setting workbook permissions

d) Selecting appropriate visualization types automatically

ans=d) Selecting appropriate visualization types automatically

**26. What is a parameter in Tableau?**

a) A static text component

b) A pre-defined dimension

c) A calculated field

d) A dynamic control element that allows user input

ans=d) A dynamic control element that allows user input

**27. What does the COUNTD() function do in Tableau?**

a) Counts all numeric values

b) Counts distinct (unique) data points

c) Summarizes text data

d) Calculates the median

ans=b) Counts distinct (unique) data points

**28. Which of the following are the types of filters in Tableau?**

a) Dimension filters, Measure filters, Data source filters

b) Table filters, Chart filters, Layout filters

c) Static filters, Dynamic filters, Calculated filters

d) Row filters, Column filters, Text filters

ans=a) Dimension filters, Measure filters, Data source filters

**29. What is the purpose of a relative date filter in Tableau?**

a) It merges different data sources

b) It filters dates based on a relative timeframe (e.g., last 30 days)

c) It removes duplicates

d) It only filters text data

ans=b) It filters dates based on a relative timeframe (e.g., last 30 days)

**30. What is a Tableau Story?**

a) A table with raw data

b) A single bar chart

c) A sequence of visualizations and text providing a narrative

d) An aggregated dataset

ans=c) A sequence of visualizations and text providing a narrative

**31. What is a floating element in Tableau dashboard design?**

a) An element that can be placed anywhere on the dashboard

b) A filter for data removal

c) A text field

d) A row of data

ans=a) An element that can be placed anywhere on the dashboard

**32. What is the purpose of using maps in Tableau?**

a) To merge datasets without analysis

b) To visualize geographic patterns and relationships

c) To display text-based content

d) To create bar charts

ans=b) To visualize geographic patterns and relationships

**33. How can you share a Tableau workbook with colleagues?**

a) By emailing the Tableau file (.twb or .twbx)

b) Publishing it to Tableau Server or Tableau Online

c) Embedding it in a webpage

d) All of the mentioned

ans=d) All of the mentioned

**34. What are Tableau Embed Codes?**

a) A method to embed workbooks into social media platforms

b) A link to embed Tableau content in external websites

c) A script to merge data sources

d) A code for sorting tables

ans=b) A link to embed Tableau content in external websites

**35. What type of users typically have access to Tableau Server?**

a) Only software developers

b) Tableau Viewers, Explorers, and Creators

c) Only data scientists

d) Only Tableau Creators

ans=b) Tableau Viewers, Explorers, and Creators

**36. What is the primary function of Tableau Prep?**

a) Data visualization

b) Dashboard sharing

c) Data storage

d) Data preparation and cleaning

ans=d) Data preparation and cleaning

**37. Why are tooltips useful in Tableau dashboards?**

a) They make charts more colorful

b) Replace all visual elements

c) Remove unnecessary data

d) Provide detailed context and insights interactively

ans=d) Provide detailed context and insights interactively

**38. What is a Tableau Project in Tableau Server?**

a) A container for organizing dashboards, workbooks, and permissions

b) A text-based report generator

c) A video tutorial

d) A standalone Excel workbook

ans=a) A container for organizing dashboards, workbooks, and permissions

**39. What is the purpose of indexing in a database for Tableau performance optimization?**

a) To reduce memory consumption

b) To create unnecessary data joins

c) To speed up query execution

d) To prevent dashboard sharing

ans=c) To speed up query execution

**40. What is the purpose of Tableau Query Caching?**

a) To retain previous queries for faster response time

b) To replace data joins

c) To store raw data files

d) To create random charts

ans=a) To retain previous queries for faster response time

**41. What is the purpose of Tableau’s integration with Google Sheets?**

a) Directly connect and visualize data from Google Sheets

b) Generate social media links

c) Automatically create charts in PDFs

d) Embed text-based dashboards only

ans=a) Directly connect and visualize data from Google Sheets

**42. How does Tableau integrate with cloud platforms like AWS and Google Cloud?**

a) By creating random data tables

b) By hosting dashboards solely on social media

c) By limiting dashboard interactions

d) Seamlessly storing and querying large datasets directly on these platforms

ans=d) Seamlessly storing and querying large datasets directly on these platforms

**43. What is Tableau Web Data Connector (WDC)?**

a) A built-in connector to connect with web-based data sources

b) A standalone manual Excel converter

c) A way to create text reports

d) A tool for generating random images

ans=a) A built-in connector to connect with web-based data sources

**44. What is the primary benefit of using Tableau Prep over manual data preparation methods?**

a) Exclusively for creating text-based charts

b) Limited integration with Tableau visualizations

c) Reduced errors and faster processing

d) No support for large data sets

ans=c) Reduced errors and faster processing

**45. What are the main components of Tableau Prep?**

a) Tableau Predictive Tools and Data Filters

b) Tableau Prep Builder and Tableau Prep Conductor

c) Tableau Desktop and Tableau Server

d) Tableau Charts and Tableau Images

ans=b) Tableau Prep Builder and Tableau Prep Conductor

**46. What is the purpose of consistent color usage in Tableau design?**

a) To communicate categories and data trends clearly

b) To replace text annotations

c) To make dashboards visually appealing

d) To fill gaps with random colors

ans=a) To communicate categories and data trends clearly

**47. What is a Tableau filter used for?**

a) To replace charts with text

b) To hide unwanted data and show only required information

c) To create social media links

d) To make the dashboard colorful

ans=b) To hide unwanted data and show only required information