Tableau Interview Questions

https://www.thetableaustudentguide.com/vizbasics

1. Tell me about yourself
2. Project you did in tableau
3. Explain end to end tableau project
4. Difference between blend and joins
5. When to use join and when to use blends
6. Diff joins and relationship
7. When to use join and when to use relationship
8. What are bins. Where have you used it
9. Difference between sets and groups
10. How can we achieve dynamic parameterisation?
11. Table calculation types and direction
12. Can you name some window functions?
13. What is the order of operation in tableau?
14. Explain steps to implement row level security
15. What graph would you use to show distribution – Histogram
16. How did you do data modelling in tableau
17. Write calculated formula to calculate profit and ROI
18. What are context filters, why they are used?
19. Can we import data using outer join and inner join?
20. Difference between teb and twbx files
21. Running average

|  |
| --- |
|  |
| Profit=Sales-Expenditure | |  |  |  |  |
| ROI= Profit/Sales |  |  |  |  |  |
|  |  |  |  |  |  |
| Order ID | Order Date | Sales | Expenditure | Discount |  |
| CA-2019-152443 | 21-05-2019 | 245.88 | 33 | 0 |  |
| CA-2019-141313 | 28-12-2019 | 1737.18 | 56 | 0 |  |
| CA-2020-129322 | 08-08-2020 | 113.92 | 33 | 0 |  |
| CA-2022-167395 | 02-12-2022 | 286.86 | 54 | 0 |  |

1. Write fixed LOD to calculate sales made by each employee

{ FIXED [customer name]: SUM([Sales])}

1. Compare the data from this year to last
2. See more date functions
3. What will the Following Function Return? Left(3, “Tableau”) – ERROR
4. There is a country map, India is having 36% sales, but when I click on india sales is showing 100%, how to solve this error. – Create Fixed LOD of sales based on country
5. Can we do left join and outer join on extracted data – yes
6. Difference between extract and data source filter? Extract while the extract not to live, data source to whole workbook
7. What is cascading filter? quick filters should change based on filter selection
8. Diff between embedded data source and published data source
9. What will you do if the report is not showing any data in server? First check the connection, data refresh issue, data base is down, server is down, refresh is happening at data base
10. How will you find the performance of your workbook? Help 🡪 settings and performance 🡪 start performance recording, in server add performance\_recording=yes to url
11. What is increment filter in extract option?
12. How do you migrate reports in project? Download the report from dev, connect it to qa db and publish it to QA environment.
13. How will you find issue in report? Check performance recording, check where it is taking more time, extract, query, calculations, render the report.
14. How will you test the report? Preparing test cases, data validations, checking duplicates
15. Have you ever worked on production down?
16. How To automate report? – schedule the report from tableau data server
17. To connect to multiple tables in a single data source at one time, what must be specified? a. A blend b. A calculation c. A join d. A hierarchy
18. Tableau can create worksheet-specific filters. a. True. Select the worksheet you want to apply
19. What does the box in a box plot represent? a. Maximum extent of the data b. The range of the middle half of the data points c. The median of the middle half of the data points d. The outliers of the data
20. What are the different data sources for your tableau report – fixed source, oracle and Microsoft sql server. Some time we need to take additional data from excel, Write sql queries to pull out the data from source, do validations on it and then build reports. We write custom queries to fetch the data
21. What kind of report have you created in tableau?
22. Parameter to display all the weeks of the year, weeks till now
23. Source for parameter – write a query and display
24. How to apply filters on different sheet with different data source? Right click on filter 🡪 apply to worksheet🡪 selected sheet or all using related data source <https://help.tableau.com/current/pro/desktop/en-us/filter_across_datasources.htm#:~:text=To%20apply%20the%20filter%20to,uses%20a%20related%20data%20source>

https://www.youtube.com/watch?v=-J96-9KcAlI&list=PL6lzjWMB5t5RnlXzPBE5UGciFlxjPyQvJ

**SQL Interview Questions**

1. **how to improve performance of subquery?**

receive only the information you need, filter your data, Limiting the dataset in a subquery, Simplify Joins (Before joining tables, try to reduce their size), Use SELECT Fields FROM Instead of SELECT \* FROM, performance tuning, Query execution plan (Did not work much on it, DBA Team used to help), Creating Indexes.

1. **What are different DML statements?** SELECT, INSERT, UPDATE, and DELETE
2. What is syntax for update statement
3. Things to avoid while using subquery
4. Explain slowly changing dimension
5. Queries using ranking function, row function.
6. What does a rank function do
7. How will you handle Duplicate records – Rank function, group by , row\_number function
8. Rank partition by -- to take the record of the latest data take order by date, where rank = 1
9. What are the techniques you used to reduce the query loading time ? – using indexes, less subqueries , don’t use select \* take only related field names ,