General Data Concepts  
1. What is ETL?  
2. Types of analysis?  
3. What are Data Warehousing and Data Lake?  
4. What is a Star Schema vs Snowflake Schema?  
5. What’s the difference between Fact and Dimension Tables?  
6. What is Data Aggregation in a Data Warehouse?  
8. What is the difference between structured and unstructured data?  
9. Difference between OLTP vs OLAP?  
10. What’s the difference between Type 1 and Type 2 Slowly Changing   
Dimensions (SCDs)?  
  
SQL Questions  
1. Difference between Delete, Drop & Truncate?  
2. What is Constraints and its types?  
4. Difference between Union & Union All?  
5. How many types of joins in SQL? Explain.  
6. How to find 3rd Highest Salary?  
7. Remove the Duplicate records from table.  
8. Difference between Union & Union All?  
9. What is Constraints and its types?  
10. Difference between CHAR & VARCHAR?  
11. Subsets in SQL?  
12. Explain the concepts of Window Functions?  
13. What are Temporary Tables?  
14. What is Stored Procedure & Views?  
15. What are Indexing, its types and use?  
15. Difference between Stored Procedure & Functions?  
16. How do you create stored procedures and views?  
17. Explain differences between temp table and CTE?  
18. Explain differences between local temp table and global temp table?  
19. What is CTE? Why do we use it?  
20. Difference between Having and Group by clause?  
21. What is Primary key and Foreign key in SQL?  
20. Explain the concept of normalization and its types (1NF, 2NF, 3NF).  
  
Power BI Questions   
  
1. Describe your most recent project and your contributions.  
2. Difference between calculated columns and measures?  
3. Challenges faced in Power BI projects?  
4. Visuals used in your projects?  
5. What is Power Query? what we can do from that.  
6. Difference between Append and Merge?  
7. How many types of Views in Power BI? Explain.  
8. How can data be imported into Power BI?  
9. How will you join two tables with the help of DAX functions?  
10. Difference between dashboard and report?  
11. Explain the concepts of Data Modeling?  
12. Difference between SUM and SUMX?  
13. Difference between Duplicate & Reference?  
14. Difference between Import Mode & Direct Query?  
15. Difference Slicer & Filter?  
16. Difference between Drilldown and DrillThrough in Power BI?  
17. Can you explain bookmarks and their use cases in Power BI?  
18. How do you manage large datasets in Power BI?  
19. How will you handle missing data or dirty data in Power BI?  
20. What is Index column and why we will use in Power BI?  
21. Which type of Power BI Account you used in Project?  
22. What is RLS?  
23. Difference between a pie chart and a donut chart?  
24. Concept of conditional formatting in Power BI?  
25. Difference between Power BI Desktop and Power BI Service?  
26. What is Summarize DAX?  
27. Major components of Power BI?  
29. Building blocks of Power BI?  
30. What is Workspace & App?

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1. How much rate yourself in power bi, DAX, modeling?  
2. What is a most critical challenge you have faced till now while working on  
 The project?  
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 Can able to view that data and dashboard. if yes what should be done?  
16. How will you join 2 table in power query?  
17. If you want to apply same slicer across multiple pages how will u achieve  
 that?  
18. Diff between galaxy and star schema?  
19. What is composite model?  
20. What filter have you used?  
21. What is import and direct query mode? which one is better?  
22. You have data from diff data sources like one is from google sheet, other  
 is from sql server and other is from previous project like dataset what will  
 the approach to bring in power bi desktop?  
23. How u will optimize the Dax code what will be the checkpoints except these we will use measures, light custom visuals, star schema and data type?   
24. What are the field parameters?  
25. How many types of roles in power bi service and what was your role?

Common Power BI Interview Questions  
  
Power Query Editor (built-in ETL)  
  
1. What you done your project and what is your roles & responsibilities?  
2. What are the transformations used in your project?  
3. What are the different sources you have used in your project?  
4. What is difference between Import Mode and Direct Query?  
5. What is Fact table and Dimension table?  
6. Difference between Star Schema and Snowflake Schema?  
7. What is Merge and Append in power query editor?  
8. What are the building blocks of Power BI?  
9. What is Query Folding in Power Query?  
10. What is Power BI Q&A?  
11. What are the components of Power BI?  
12. What is Conditional Formatting in Power BI?  
13. How do you handle errors in Power Query?  
  
Power View / Power BI Desktop  
  
1. What are the charts you have used in your project?  
2. Any Custom Charts have you used?  
3. What is difference between Filters and Slicers?  
4. What is Bookmarks in Power BI?  
5. How can you make your reports dynamic?  
6. Types of relationship in Power BI?  
7. What are Drillthrough and Drilldown in Power BI?  
8. How do you optimize the performance of a Power BI report?  
9. How do you handle large datasets in Power BI Desktop?  
  
DAX   
  
1. What is difference between Measures and Calculated Column?  
2. What are DAX functions you have used in your project?  
3. What is difference between SUM and SUMX?  
4. What is use case of SUMMARIZE function?  
5. What is ALL and ALLEXCEPT function?  
6. What is the need of Data Master Table?  
7. Can you explain use case of SAMEPERIODLASTYEAR?  
8. What is Row Context in DAX?  
9. What do you mean by MTD , QTD & YTD?  
  
Power BI Services  
  
1. Which Power BI License you have used in your project?  
2. What is Difference between MyWorkspace and Workspace?  
3. What are the roles available in workspace?  
4. What is RLS?  
5. What is Gateway? How many types?  
6. Difference between Report and Dashboard?  
7. How can you refresh data in Power BI?   
8. Explain the concept of Scheduled Refresh and Incremental Refresh?  
9. What is Dataflow in Power BI Services?  
10. How do you share Power BI reports with external users?

🔹 How does Power BI differ from traditional BI tools?  
  
🔹 Can you explain the difference between Power BI Desktop and Power BI Service?  
  
🔹 What are calculated columns and measures in Power BI?  
  
🔹 How would you handle large datasets in Power BI to ensure optimal performance?  
  
🔹 What is the role of Power Query in Power BI, and how do you use it?  
  
🔹 How do you create dynamic reports in Power BI using DAX?  
  
🔹 What are the different types of filters available in Power BI?  
  
🔹 How do you implement role-based security in Power BI?  
  
🔹 How do you integrate Power BI with other Microsoft services like Azure and Excel?  
  
🔹 What are the best practices for designing dashboards in Power BI?

1. Can you tell me about your experience with Power BI? How long have you been working with it, and what kinds of projects have you completed?  
  
2. How do you ensure data accuracy and integrity in your Power BI reports and dashboards?  
  
3. Can you describe a challenging project you worked on with Power BI and how you overcame the difficulties?  
   
4. How do you stay updated with the latest features and updates in Power BI?  
  
5. What is Power BI, and what are its key components?  
   
6. What is the difference between Power BI Desktop and Power BI Service?  
Explain the process of data modeling in Power BI.  
   
7. What are some best practices you follow?  
   
8. How do you handle large datasets in Power BI to ensure optimal performance?  
   
9. Can you explain the difference between calculated columns and measures in DAX? Provide an example of when you would use each.  
   
10. Describe how you would use Power Query to transform data before loading it into Power BI.  
  
11. Difference between Import Mode & Direct Query.  
   
12. What are some common DAX functions you use, and can you provide examples of how you've used them in your reports?  
  
13. Difference between Slicer & Filter.  
  
14. Explain the Bookmark Concepts? Did you used in your project.  
   
15. How do you implement row-level security in Power BI?  
  
16. What is a Power BI Gateway, and when is it used?  
   
17. What are some ways you can optimize the performance of a Power BI report?  
  
18. What are some limitations and considerations when working with Power BI?  
  
19. Have you worked with Power BI Premium or Power BI Premium Per User (PPU)?  
   
20. Describe a scenario where you had to integrate Power BI with other data sources. How did you manage the integration?  
   
21. How would you handle a situation where a report is slow to load or refresh?  
  
22. How would you rate your SQL skills on a scale of 1 to 5?

Can you tell me about your experience with Power BI? How long have you been working with it, and what kinds of projects have you completed?  
  
  
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➡️Can you describe a challenging project you worked on with Power BI and how you overcame the difficulties?  
  
➡️How do you stay updated with the latest features and updates in Power BI?  
  
➡️What is the difference between Power BI Desktop and Power BI Service?  
Explain the process of data modeling in Power BI.   
  
➡️What are some best practices you follow?  
  
➡️How do you handle large datasets in Power BI to ensure optimal performance?  
  
➡️Can you explain the difference between calculated columns and measures in DAX? Provide an example of when you would use each.  
  
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➡️What are some common DAX functions you use, and can you provide examples of how you've used them in your reports?  
  
➡️How do you implement row-level security in Power BI?  
  
➡️What are some ways you can optimize the performance of a Power BI report?  
  
➡️Describe a scenario where you had to integrate Power BI with other data sources. How did you manage the integration?  
  
➡️How do you handle user requirements and feedback during the development of a Power BI solution?

[1.To](http://1.to/) optimize Power BI reports, reduce data granularity by aggregating data during import.   
  
2.Limit the number of visuals on a single page and disable unnecessary interactions between them.  
  
 3.Use variables in DAX expressions to reduce repeated calculations and leverage query folding in Power Query.   
  
4.Additionally, optimize model size by removing unused columns and tables, and consider enabling report page-level or visual-level caching.

Can you tell me about your experience with Power BI? How long have you been working with it, and what kinds of projects have you completed?  
  
  
➡️How do you ensure data accuracy and integrity in your Power BI reports and dashboards?  
  
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1. What is Power BI?  
2. What are the key components of Power BI?  
3. What is Power BI Desktop?  
4. What is the Power BI Service?  
5. What are Power BI dashboards?  
6. What is a Power BI report?  
7. What is DAX?  
8. What are some common data sources for Power BI?  
9. How do you refresh data in Power BI?  
10. What are Power BI visualizations?  
11. What is Power Query?  
12. What is the use of the Power BI gateway?  
13. What are calculated columns in Power BI?  
14. What are measures in Power BI?  
15. What is a data model in Power BI?  
16. How do you create a relationship between tables in Power BI?  
17. What is a slicer in Power BI?  
18. What is a Power BI template?  
19. What is the use of the 'Get Data' feature in Power BI?  
20. What is drill through in Power BI?  
21. How can you share Power BI reports?  
22. What is a custom visual in Power BI?  
23. What are Power BI apps?  
24. What is a KPI in Power BI?  
25. How do you handle large datasets in Power BI?  
  
𝗔𝗱𝘃𝗮𝗻𝗰𝗲𝗱 𝗤𝘂𝗲𝘀𝘁𝗶𝗼𝗻𝘀:  
  
26. What is row-level security (RLS) in Power BI?  
27. What is a calculated table in Power BI?  
28. How do you optimize Power BI reports for performance?  
29. What are Power BI workspaces?  
30. What is Power BI Embedded?  
31. What is the purpose of the Power BI REST API?  
32. How do you create a custom date table in Power BI?  
33. Explain the use of the CALCULATE function in DAX.  
34. What are hierarchies in Power BI?  
35. What is a dataflow in Power BI?  
36. Explain the use of the FILTER function in DAX.  
37. What are the benefits of using Power BI Premium?  
38. What is incremental refresh in Power BI?  
39. How do you handle many-to-many relationships in Power BI?  
40. What are parameters in Power BI?  
41. How do you use the SWITCH function in DAX?  
42. Explain the concept of context transition in DAX.  
43. What is the purpose of the ALLEXCEPT function in DAX?  
44. How do you create a measure to calculate year-over-year growth in Power BI?  
45. What is Power BI Report Server?  
46. Explain the use of the RELATED function in DAX.  
47. How do you implement dynamic titles in Power BI visuals?  
48. What is the purpose of the VALUES function in DAX?  
49. How do you handle circular dependencies in DAX?  
50. Explain the difference between DirectQuery and Import mode.

1. How can you create and configure a data gateway in Power BI?  
2. Explain the process of creating a dynamic tooltip in Power BI.  
3. How does Power BI handle real-time data streaming, and what are its use cases?  
4. What are the different types of data relationships in Power BI?  
5. Describe the purpose and usage of Power BI Premium.  
6. How do you create a sunburst chart in Power BI?  
7. What are the differences between a line chart and an area chart in Power BI?  
8. Explain the concept of Data Analysis Expressions (DAX) in Power BI.  
9. What is the significance of the "Drillthrough" feature in Power BI?  
  
[hashtag#Capgemini](https://www.linkedin.com/feed/hashtag/?keywords=capgemini&highlightedUpdateUrns=urn%3Ali%3Aactivity%3A7232609522832326656) Power BI Interview Questions  
  
1. How do you implement row-level security (RLS) in Power BI?  
2. What are the best practices for designing a Power BI dashboard?  
3. Can you explain the Power BI report lifecycle?  
4. How does Power BI handle data refresh and scheduling?  
5. What is the role of the Query Editor in Power BI?  
6. How do you create a funnel chart in Power BI?  
7. What is the difference between a measure and a KPI in Power BI?  
8. Explain the concept of hierarchical slicers in Power BI.  
9. How do you use bookmarks in Power BI to enhance report interactivity?  
  
[hashtag#Deloitte](https://www.linkedin.com/feed/hashtag/?keywords=deloitte&highlightedUpdateUrns=urn%3Ali%3Aactivity%3A7232609522832326656) Power BI Interview Questions  
  
1. How can you configure and use custom visuals in Power BI?  
2. What techniques can be employed to improve query performance in Power BI?  
3. Describe the integration capabilities of Power BI with other Microsoft services.  
4. What is the difference between Import mode and DirectQuery mode in Power BI?  
5. How do you create a pareto chart in Power BI?  
6. What are the advantages of using Power BI templates?  
7. Explain the concept of dataflows in Power BI.  
8. What is the purpose of the "Merge Queries" feature in Power BI, and how is it used?  
9. How do you create and manage data alerts in Power BI?

1. Data Flows   
2. Many to Many Relationships   
3. Bookmarks   
4. Time Intelligence DAX   
5. Calculated Groups   
6. Disconnected Tables   
7. Capacity in Power BI Service   
8. Gateways   
9. Append / Merged   
10. Custom Columns in Power Query

Can you tell me about your experience with Power BI? How long have you been working with it, and what kinds of projects have you completed?  
  
  
  
2. How do you ensure data accuracy and integrity in your Power BI reports and dashboards?  
  
  
3. Can you describe a challenging project you worked on with Power BI and how you overcame the difficulties?  
  
  
4. How do you stay updated with the latest features and updates in Power BI?  
  
  
5. What is the difference between Power BI Desktop and Power BI Service?  
6. Explain the process of data modeling in Power BI.   
  
  
7.What are some best practices you follow?  
  
  
10. How do you handle large datasets in Power BI to ensure optimal performance?  
  
  
11. Can you explain the difference between calculated columns and measures in DAX? Provide an example of when you would use each.  
  
  
12. Describe how you would use Power Query to transform data before loading it into Power BI.  
  
  
13. What are some common DAX functions you use, and can you provide examples of how you've used them in your reports?  
  
  
14. How do you implement row-level security in Power BI?  
  
  
15. What are some ways you can optimize the performance of a Power BI report?  
  
  
16. Describe a scenario where you had to integrate Power BI with other data sources. How did you manage the integration?  
  
  
17. How do you handle user requirements and feedback during the development of a Power BI solution?

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2. What is a most critical challenge you have faced till now while working on  
 The project?  
3. How will you publish the dashboard?  
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5. How will you join two table with the help of DAX function?  
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7. Suppose you have 2 disconneted tables what DAX function u will send to   
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24. What are the field parameters?  
25. How many types of roles in power bi service and what was your role?

1. Power BI report Vs Power BI dashboard?  
2. How do you handle data source connection issues in Power BI?  
3. What is DAX and how is it used in Power BI?  
4. Explain the concept of data modeling in Power BI.  
5. How do you optimize Power BI report performance?  
6. What are calculated columns and measures in Power BI?  
7. Describe a scenario where you used Power Query to transform data.  
8. How do you implement row-level security in Power BI?  
9. What are Power BI datasets, and how do they differ from data sources?  
10. How do you use Power BI's Q&A feature?  
11. How do you handle data refresh issues in Power BI?  
12. You have a Power BI report that is running slowly. What steps would you  
 take to diagnose and improve its performance?  
13. How to combine data from various sources in a single report?  
  
## Wipro  
  
1. What are the different types of filters available in Power BI?  
2. How do you create a Power BI custom visual?  
3. Explain the role of Power BI Service.  
4. What are bookmarks in Power BI, and how do you use them?  
5. How do you create a calculated table in Power BI?  
6. What is the importance of relationships in Power BI data modeling?  
7. How do you handle large datasets in Power BI?  
8. Describe how to use Power BI with Azure services.  
9. What are the advantages of using Power BI over Excel for reporting?  
10. How do you publish and share Power BI reports?  
11. How do you manage Power BI report subscriptions and alerts?  
12. How will you join 2 table in power query?  
13. You are working with a large dataset that causes Power BI to crash when   
Loading. What techniques would you use to handle and analyze the data  
 Efficiently?  
  
## HCL  
1. How do you create and manage Power BI workspaces?  
2. Explain the difference between direct query and import mode in Power BI.  
3. What is a Power BI dataflow, and how is it used?  
4. How do you troubleshoot common Power BI errors?  
5. What are the best practices for designing Power BI dashboards?  
6. How do you integrate Power BI with other Microsoft services?  
7. Describe a scenario where you used Power BI to provide business insights.  
8. How do you set up data alerts in Power BI?  
9. What are the key components of a Power BI report?  
10. How do you secure sensitive data in Power BI reports?  
11. You encounter a data integrity issue where some records are duplicated  
 In the dataset. How would you resolve this in Power BI?  
1. Can you walk me through your experience with Power BI and how you've used it in your previous roles?  
2. What are some key benefits of using Power BI for data analysis and visualization?  
3. Can you explain the difference between Power BI Desktop and Power BI Service?  
4. How do you handle large datasets in Power BI to ensure optimal performance?  
5. Have you utilized Power BI's data modeling capabilities in your projects? If so, can you provide an example?  
6. What strategies do you employ for data cleansing and manipulation in Power BI?  
7. Can you discuss a challenging data visualization problem you've encountered in Power BI and how you solved it?  
8. How do you approach creating interactive dashboards in Power BI to meet user requirements?  
9. Have you worked with Power BI's integration with other Microsoft tools like Excel or SQL Server? If so, can you elaborate on your experience?  
10. How do you stay updated with new features and updates in Power BI?  
11. Can you provide an example of a complex calculation you've implemented using DAX in Power BI?  
12. What are some common pitfalls to avoid when designing Power BI reports and dashboards?  
13. How do you ensure data security and compliance when working with sensitive data in Power BI?  
14. Have you worked on any projects involving real-time data streaming in Power BI? If so, how did you set it up?  
15. Can you discuss a time when you had to troubleshoot and resolve a technical issue in Power BI?

Can you explain the process of cleaning and transforming data in Power BI?  
2. What is data modeling, and why is it important in Power BI?  
3. How do you create relationships between tables in Power BI?  
4. Explain the difference between calculated columns and measures in Power BI?  
5. What are the different types of visualizations available in Power BI?  
6. How do you create and customize visualizations in Power BI?  
7. What are the best practices for designing effective Power BI reports?  
8. How do you perform data analysis using DAX (Data Analysis Expressions) in Power BI?  
9. Can you provide an example of using filters and slicers in Power BI?  
10. What are dashboards, and how do you create them in Power BI?  
11. How do you share and collaborate on Power BI reports and dashboards?  
12. What is Power Query, and how does it help with data transformation in Power BI?  
13. How do you optimize the performance of Power BI reports?  
14. Can you explain row-level security and how it is implemented in Power BI?  
15. What are some common techniques for integrating Power BI with other Microsoft tools and services?  
16. How do you handle large datasets and ensure efficient data refreshes in Power BI?  
17. What are the security features available in Power BI, and how do you use them to secure sensitive data?  
18. Describe the process of auditing and monitoring usage of Power BI content?  
19. Can you provide an example of creating a calculated column or measure using DAX?  
20. What are some common data sources that can be connected to Power BI?  
21. Can you explain the difference between DirectQuery and Import mode in Power BI?  
22. How do you handle errors and missing data during the data loading process in Power BI?  
23. What are bookmarks and how do you use them in Power BI?  
24. Explain the concept of drill-through in Power BI and when it is used?  
25. What are the benefits of using custom visuals in Power BI, and how do you add them to your reports?  
26. Can you describe the process of creating and using parameters in Power BI?  
27. What are Power BI templates, and how do you create and use them?  
28. How do you schedule automatic data refreshes for Power BI datasets?  
29. Explain the role of Power BI service and how it complements Power BI Desktop for report publishing and sharing?  
30. How do you import data into Power BI?

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21. What is import and direct query mode? which one is better?  
22. You have data from diff data sources like one is from google sheet, other  
 is from sql server and other is from previous project like dataset what will  
 the approach to bring in power bi desktop?  
23. How u will optimize the Dax code what will be the checkpoints except   
these we will use measures, light custom visuals, star schema and data  
 type?   
24. What are the field parameters?  
25. How many types of roles in power bi service and what was your role?

General Data Concepts  
1. What is ETL?  
2. Types of analysis?  
3. What are Data Warehousing and Data Lake?  
4. What is a Star Schema vs Snowflake Schema?  
5. What’s the difference between Fact and Dimension Tables?  
6. What is Data Aggregation in a Data Warehouse?  
8. What is the difference between structured and unstructured data?  
9. Difference between OLTP vs OLAP?  
10. What’s the difference between Type 1 and Type 2 Slowly Changing   
Dimensions (SCDs)?  
  
SQL Questions  
1. Difference between Delete, Drop & Truncate?  
2. What is Constraints and its types?  
4. Difference between Union & Union All?  
5. How many types of joins in SQL? Explain.  
6. How to find 3rd Highest Salary?  
7. Remove the Duplicate records from table.  
8. Difference between Union & Union All?  
9. What is Constraints and its types?  
10. Difference between CHAR & VARCHAR?  
11. Subsets in SQL?  
12. Explain the concepts of Window Functions?  
13. What are Temporary Tables?  
14. What is Stored Procedure & Views?  
15. What are Indexing, its types and use?  
15. Difference between Stored Procedure & Functions?  
16. How do you create stored procedures and views?  
17. Explain differences between temp table and CTE?  
18. Explain differences between local temp table and global temp table?  
19. What is CTE? Why do we use it?  
20. Difference between Having and Group by clause?  
21. What is Primary key and Foreign key in SQL?  
20. Explain the concept of normalization and its types (1NF, 2NF, 3NF).  
  
Power BI Questions   
  
1. Describe your most recent project and your contributions.  
2. Difference between calculated columns and measures?  
3. Challenges faced in Power BI projects?  
4. Visuals used in your projects?  
5. What is Power Query? what we can do from that.  
6. Difference between Append and Merge?  
7. How many types of Views in Power BI? Explain.  
8. How can data be imported into Power BI?  
9. How will you join two tables with the help of DAX functions?  
10. Difference between dashboard and report?  
11. Explain the concepts of Data Modeling?  
12. Difference between SUM and SUMX?  
13. Difference between Duplicate & Reference?  
14. Difference between Import Mode & Direct Query?  
15. Difference Slicer & Filter?  
16. Difference between Drilldown and DrillThrough in Power BI?  
17. Can you explain bookmarks and their use cases in Power BI?  
18. How do you manage large datasets in Power BI?  
19. How will you handle missing data or dirty data in Power BI?  
20. What is Index column and why we will use in Power BI?  
21. Which type of Power BI Account you used in Project?  
22. What is RLS?  
23. Difference between a pie chart and a donut chart?  
24. Concept of conditional formatting in Power BI?  
25. Difference between Power BI Desktop and Power BI Service?  
26. What is Summarize DAX?  
27. Major components of Power BI?  
29. Building blocks of Power BI?  
30. What is Workspace & App?