1. **What is Power BI?**
   * Microsoft Power BI is **a data visualization and reporting platform** that is used by businesses and professionals every day.
2. **How does Power BI differ from Excel?**
   * Power BI has a wide variety of visualizations. We can import many other visuals from the marketplace besides available built-in charts. Excel has only a few built-in charts, and we need to work with only those charts to build dashboards.
3. **What are the key components of Power BI?**
   * Eight components of Power BI which are: Power Query, Power Pivot, Power View, Power Map, Power Q&A, Power BI Desktop, Power BI **Website, and Power Mobile Apps.**
4. **How can you connect to data sources in Power BI?**

* The Get Data window appears. ...
* Since this data source is an Excel file, select Excel from the Get Data window, then select the Connect button. ...
* Power BI Desktop then loads the workbook and reads its contents, and shows you the available data in the file using the Navigator window.

1. **Explain the difference between Power BI Desktop and Power BI Service.**

* Power BI Desktop is a Windows application that empowers users to create rich and interactive data visualizations, reports, and dashboards. It serves as a local development environment where you can connect to various data sources, transform and model data, and design compelling visuals.
* Power BI Service, often referred to as Power BI Online, is the cloud-based counterpart of Power BI. It's a web-based platform that enables you to publish, share, and collaborate on Power BI reports and dashboards created in Power BI Desktop.

1. What is a Power BI report?
2. How can you create a new report in Power BI Desktop?
3. What are data transformations in Power BI?
4. What is the purpose of the Query Editor in Power BI?
5. How can you import data from a CSV file in Power BI?
6. What is Power Query and why is it important in Power BI?
7. How do you create relationships between tables in Power BI?
8. Explain the concept of measures in Power BI.
9. What are calculated columns in Power BI, and how are they different from measures?
10. How can you create a calculated column in Power BI?
11. What is DAX (Data Analysis Expressions) in Power BI?
12. How do you write a simple DAX formula in Power BI?
13. What is the difference between a slicer and a filter in Power BI?
14. How can you create a slicer in a Power BI report?
15. What are visuals in Power BI, and why are they important?
16. Name some common types of visuals available in Power BI.
17. How can you add a chart to a Power BI report?
18. Explain the concept of bookmarks in Power BI.
19. How can you create a drill-through page in Power BI?
20. What is a Power BI dashboard, and how is it different from a report?
21. How can you publish a Power BI report to the Power BI Service?
22. What is the Power BI Gateway, and why is it used?
23. Can you schedule data refresh in Power BI, and how?
24. How do you share a Power BI report with others?
25. What is Power BI Embedded, and when would you use it?
26. Explain the concept of row-level security in Power BI.
27. How can you create custom visuals in Power BI?
28. What is a Power BI template, and how can you use it?
29. How do you create a calculated table in Power BI?
30. What is the difference between DirectQuery and Import mode in Power BI?
31. How can you create a hierarchy in Power BI?
32. What is the Power BI REST API, and what can you do with it?
33. How can you connect to on-premises data sources in Power BI?
34. What is Power BI Mobile, and how can you access reports on mobile devices?
35. How can you create a custom theme for your Power BI report?
36. What are the limitations of Power BI Free compared to Power BI Pro?
37. What is Power BI Premium, and why would an organization choose it?
38. How can you use Power BI to perform data modeling and transformation tasks?
39. What is the difference between a calculated column and a calculated table?
40. How can you create a drillthrough action in Power BI?
41. Explain the concept of row-level security filters in Power BI.
42. How can you create custom visuals for Power BI reports?
43. What are the benefits of using the Power BI service over Power BI Desktop?
44. How can you create a report-level filter in Power BI?
45. What is the Power BI Dataflows feature, and how can it be used for data preparation?

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All practice projects: https://bit.ly/43v4Ni2

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