

## Power BI

1. What is Power BI primarily used for?
  - A. Data visualization and business intelligence
  - B. Database management
  - C. Machine learning model training
  - D. Web developmentAnswer: A
2. Which component of Power BI is used to create reports?
  - A. Power BI Service
  - B. Power BI Desktop
  - C. Power BI Gateway
  - D. Power BI MobileAnswer: B
3. Power BI Desktop allows users to:
  - A. Publish reports only
  - B. Schedule data refresh
  - C. Load, transform, and visualize data
  - D. Manage user accessAnswer: C
4. Which file format is native to Power BI reports?
  - A. .xlsx
  - B. .csv
  - C. .pbix
  - D. .txtAnswer: C
5. Power Query in Power BI is used for:
  - A. Data cleaning and transformation
  - B. Creating dashboards
  - C. Writing DAX formulas
  - D. Publishing reportsAnswer: A
6. Which operation removes rows with missing values in Power BI?
  - A. Replace Values
  - B. Remove Columns
  - C. Filter Rows
  - D. Remove Blank RowsAnswer: D
7. What is the purpose of data modeling in Power BI?
  - A. To clean data
  - B. To create relationships between tables
  - C. To design visual layouts
  - D. To import datasetsAnswer: B

8. A star schema consists of:
- A. Only one table
  - B. Multiple fact tables
  - C. One fact table and dimension tables
  - D. Only dimension tables
- Answer: C
9. Which key uniquely identifies records in a table?
- A. Foreign key
  - B. Composite key
  - C. Primary key
  - D. Surrogate key
- Answer: C
10. DAX stands for:
- A. Data Analysis Expressions
  - B. Data Analytics Extension
  - C. Dynamic Analysis Syntax
  - D. Data Access Expressions
- Answer: A
11. Which DAX function is used to calculate totals?
- A. COUNT
  - B. SUM
  - C. AVERAGE
  - D. MAX
- Answer: B
12. Measures in Power BI are calculated:
- A. During data load
  - B. At the row level
  - C. At query execution time
  - D. At report interaction time
- Answer: D
13. What is a calculated column?
- A. A column created in Power Query
  - B. A static value column
  - C. A column calculated row by row
  - D. A visualization element
- Answer: C
14. Which visualization is best for showing trends over time?
- A. Pie chart
  - B. Bar chart
  - C. Table
  - D. Line chart
- Answer: D
15. Slicers in Power BI are used to:
- A. Filter data interactively
  - B. Clean datasets
  - C. Create relationships
  - D. Write DAX formulas
- Answer: A

16. Which chart is best for comparing categories?
- A. Line chart
  - B. Map
  - C. Bar chart
  - D. Gauge
- Answer: C
17. What does Power BI Service allow users to do?
- A. Build data models
  - B. Publish and share reports
  - C. Clean raw data
  - D. Write Python scripts
- Answer: B
18. Dashboards in Power BI can contain:
- A. Multiple report pages
  - B. Only tables
  - C. Tiles from different reports
  - D. Raw datasets
- Answer: C
19. What is the purpose of Power BI Gateway?
- A. Visual design
  - B. Data transformation
  - C. Secure data refresh from on-premises sources
  - D. Creating dashboards
- Answer: C
20. Which feature helps highlight values based on rules?
- A. Slicers
  - B. Filters
  - C. Tooltips
  - D. Conditional formatting
- Answer: D
21. Row-level security (RLS) is used to:
- A. Restrict data access by user
  - B. Improve performance
  - C. Clean datasets
  - D. Create measures
- Answer: A
22. Which view is used to define table relationships?
- A. Report view
  - B. Data view
  - C. Model view
  - D. Query view
- Answer: C
23. Power BI supports which scripting languages?
- A. Java and C++
  - B. Python and R
  - C. PHP and JavaScript
  - D. SQL only
- Answer: B

24. What happens when you refresh a Power BI report?

- A. Visuals are deleted
- B. DAX formulas change
- C. Data model is removed
- D. Latest data is loaded

Answer: D

25. Best practice for Power BI dashboards is to:

- A. Show all available visuals
- B. Use multiple color schemes
- C. Focus on key insights
- D. Avoid filters

Answer: C