Power BI Final Assessment

TE MARKS (/PACKAGE-COST-DETAILS/REGENERATE-MARKS?STUDENTID=21950&ASSESSMENTID=207992)

Score Obtained:
37/50 (74%)

RETAKE (/PACKAGE-COST-DETAILS/#)   VIEW REPORT

How many types of BI users are there?

1/1   ATTEMPTED

- ○ 2

- ○ 3

- ◉ 4

- ○ 5

2.
Which component of the Power BI is used search, access, and transform public and/ or internal data sources?

1/1   ATTEMPTED

- ◉ Power Query

- ○ Power Map

- ○ Power View

- ○ Power BI Q&A

3.

_____ tables store data about events and _____ tables store data about business entities.

○ Star, Business

○ Fact, Business

○ Star, Dimension

◉ Fact, Dimension

4.

You are importing sales data from a Microsoft Excel file named Sales.xlsx into Power BI Desktop. You need to create a bar chart showing the total sales amount by region. When you create the bar chart, the regions appear as expected, but the sales amount value displays the count of sales amount instead of the sum of sales amount each region. You need to modify the query to ensure that the data appears correctly. What should you do?

○ Delete the query, import the data into Microsoft SQL Server, and then import the data from SQL Server.

○ In Query Editor, add a calculated column that totals the sales amount column.

○ Refresh the data model.

● Change the Data Type of sales amount column to Numeric.

5.

Which of the following is used to easily store and manage a value that can be reused

○ Custom Function

○ Add Column

○ Transform Column

◉ Query Parameter

6.

_____ is a numeric field and _____ is a categorical field

◉ Measure, Dimension   1/1   [ATTEMPTED]

○ Column, Dimension

○ Measure, Calculation

○ Dimension, Measure

7.

How do you create a chart visual in Power BI Desktop Report view?

A. Click New Visual on the Home tab.

B. Select a chart visual in the Visualizations pane.

C. Click New Visual on the Data Tools tab.

D. Select a field that contains values.

◉ A, B, or D   0/1   [ATTEMPTED]

○ B or D

○ B or C

○ A or B

8. I want to see top 10 kind of information/metric. What visual di you use?

- ○ Pie Chart
- ○ Scatter Plot
- ○ TreeMap
- ● Bar chart

9.
One Can create visualizations

- ● Data Window
- ○ Page Sheet
- ○ Query window
- ○ Relation window

10.
Which of the following statement is true about Business Intelligence?

- ○ BI convert raw data into meaningful information
- ○ BI has a direct impact on organization's strategic, tactical and operational business decisions
- ○ BI tools perform data analysis and create reports, summaries, dashboards, maps, graphs, and charts
- ● All of the above

11.

Which component of the Power BI is used search, access, and transform public and/ or internal data sources?

1/1   ATTEMPTED

- ⦿ Power Query

- ○ Power Map

- ○ Power View

- ○ Power BI Q&A

12. To create dashboard in PowerBI,which componet is used 1/1   ATTEMPTED

- ○ Power Q/A

- ⦿ Power View

- ○ Power Query editor

- ○ Power Pivot

13. If user wants to check SQL server data on powerBI desktop,which component is helpful?

0/1   ATTEMPTED

- ○ Power Q/A

- ○ Power View

- ⦿ Power Query editor

- ○ Both B,C

14.
The FILTER function returns what type of the value

○ Scalar

○ Boolean

○ Number

◉ Table

15.
After creating a new DAX measure in a table of data, how is this measure seen in the table view of Power BI

○ The DAX measure shows up looking like any other column that was imported in the data table.

◉ The new DAX measure shows up in the name of the column, but the fields themselves are empty.

○ DAX measures show up the data table as multiple columns.

○ DAX measures cannot be seen, even as column names, in the data table they have been added to.

16. What does the "Group By" feature do in Power Query?

○ Sorts data

◉ Combines rows based on a shared value

○ Removes duplicates

○ Formats columns

17. Which of the following statements about custom functions in Power BI is correct?

○ Custom functions can only be created using Power Query Editor.

○ Custom functions in Power BI are static and cannot accept parameters.

○ Custom functions can be reused across different Power BI reports.

○ Custom functions are limited to performing simple arithmetic calculations.

18. Which of the following statements about pivoting columns in Power BI is correct?

○ Pivoting columns is used for adding new calculated columns based on existing data.

◉ Pivoting columns is used for transforming rows into columns based on unique values.

○ Pivoting columns is used for removing duplicate values from a dataset.

○ Pivoting columns is used for sorting data in ascending or descending order.

19. When would you typically use the unpivot columns feature in Power BI?

○ To merge multiple tables into one.

○ To remove rows containing null values.

◉ To convert multiple columns into rows.

○ To apply conditional formatting to a column.

20. When would you typically use the append queries feature in Power BI?

○ To remove rows containing null values.

○ To create relationships between multiple tables.

◉ To concatenate data from multiple queries vertically.

○ To aggregate data and create summary reports.

21. Which of the following statements best describes a snowflake schema in Power BI?

○ A snowflake schema consists of a central fact table connected to multiple dimension tables.

○ A snowflake schema contains multiple fact tables connected together in a snowflake-like structure.

○ A snowflake schema is a schema where each dimension table is connected to multiple fact tables.

◉ A snowflake schema has dimension tables normalized into multiple related tables.

22. In Power BI, which schema type is generally more de normalized and suitable for faster query performance?

◉ Star schema

○ Snowflake schema

○ Hybrid schema

○ Circular schema

23. In Power BI, what does the cardinality of a relationship define?

○ The strength of the relationship between tables.

0/1 ATTEMPTED

○ The number of rows in each table.

○ The direction of data flow between tables.

◉ The uniqueness and uniqueness of values in each table.

24. Which of the following actions can you perform in the Relationships view of Power BI Desktop?

1/1 ATTEMPTED

○ Create calculated columns using DAX expressions.

○ Import data from external sources.

◉ Define cross-filter direction between related tables.

○ Apply conditional formatting to visualizations.

25. What is the primary role of M Query in Power BI?

1/1 ATTEMPTED

○ Creating calculated columns and measures.

○ Defining relationships between tables.

◉ Importing and transforming data from various sources.

○ Creating visualizations and reports.

26. Which DAX function is used to concatenate two or more text strings together in Power BI?

0/1 ATTEMPTED

○ CONCATENATE

○ TEXTJOIN

● CONCATENATEX

○ CONCAT

27. What is the primary purpose of the CALCULATE function in DAX?

1/1 ATTEMPTED

○ To create calculated columns in a table

● To filter data based on specified conditions.

○ To summarize data using aggregation functions.

○ To create relationships between tables.

28. Which of the following statements about the CALCULATE function in DAX is true?

1/1 ATTEMPTED

● It always resets the filter context before applying new filters.

○ It cannot be used to modify the filter context.

○ It only works with numerical data.

○ It applies the specified filters to all tables in the data model.

29. Which type of visualization in Power BI is best suited for comparing proportions or percentages of a whole?

1/1 ATTEMPTED

○ Line chart

○ Bar chart

○ Pie chart

○ Scatter plot

30. Which type of chart is suitable for comparing values of different categories with horizontal bars?

1/1

○ Line chart

○ Stacked bar chart

◉ Clustered bar chart

○ Area chart

31. What type of data is best suited for a map visualization in Power BI?

0/1

◉ Categorical data

○ Numerical data

○ Text data

○ Date data

32. In Power BI, which method is typically used to plot custom locations on a map that are not recognized by built-in geographical data?

0/1

◉ Importing custom shapes

○ Using latitude and longitude coordinates

○ Manually entering address details

○ Generating random points

33. What advantage does a KPI card have over other visualizations for displaying a single KPI in Power BI?

1/1   ATTEMPTED

○ It allows for complex trend analysis.

○ It can display historical data.

◉ It provides a compact view with key metrics.

○ It supports drill-down capabilities.

34. In Power BI, how can you customize the appearance of a KPI visualization to show icons or trend arrows based on performance?

1/1   ATTEMPTED

◉ Use conditional formatting rules

○ Adjust the axis range

○ Change the chart type to line chart

○ Export to Excel for further customization

35. Which aspect of the Q&A feature in Power BI allows users to interactively refine their queries?

1/1   ATTEMPTED

◉ Smart suggestions

○ Natural language processing

○ Query editing

○

Visualization pane

36. Which step is necessary to enable the Q&A feature in a Power BI report?

1/1 ATTEMPTED

- ⦿ Publishing the report to the Power BI Service

- ○ Creating a data model in Excel

- ○ Sharing the report with other users

- ○ Installing a Q&A plugin

37. Which component in Power BI is responsible for interpreting natural language queries and generating corresponding visualizations?

ATTEMPTED

0/1

- ○ Power Query

- ○ Data Model

- ○ Q&A Model

- ⦿ Q&A Visual

38. What feature of the Power BI Mobile App allows users to receive notifications based on data alerts?

1/1 ATTEMPTED

- ○ Mobile report authoring

- ⦿ Data alerts

- ○ Quick Insights

○ Natural language Q&A

39. Which user role in Power BI can view and interact with reports using the Power BI Mobile App?

1/1   ATTEMPTED

● Viewer

○ Contributor

○ Admin

○ Designer

40. How does the Power BI Mobile App handle data refreshes for reports?

1/1   ATTEMPTED

○ Automatically refreshes data in real-time

● Requires manual refreshes when connected

○ Does not support data refreshes

○ Uses cached data for viewing only

41. To access app.powerbi.com, users need to:

1/1   ATTEMPTED

○ Install Power BI Desktop

● Have a Power BI Pro or Premium Per User (PPU) license

○ Use only Microsoft Excel

○ Use SharePoint Online

42. What happens if a scheduled refresh fails in Power BI? 1/1 [ATTEMPTED]

○ The dataset is deleted automatically

◉ An error notification is sent to the admin

○ The refresh is attempted again automatically after a specified delay

○ Reports become read-only

43. What does the "On-Premises Data Gateway" allow users to do in Power BI? 1/1 [ATTEMPTED]

○ Access data stored only on local machines

○ Share reports publicly via a URL

○ Publish reports to web applications

◉ Access on-premises data sources securely from Power BI Service

44. Which role typically installs and configures Data Gateway in an organization? 1/1 [ATTEMPTED]

○ End-users consuming reports

◉ Data engineers or IT administrators

○ Power BI report creators

○ External consultants

45. In Power BI, what happens if a scheduled refresh fails due to Data Gateway issues?

1/1   ATTEMPTED

○ The dataset is automatically deleted

◉ An error notification is sent to the admin

○ Reports become read-only

○ The refresh is attempted again automatically after a specified delay

46. Which of the following types of Data Gateway does Power BI support?

0/1   ATTEMPTED

○ Cloud Gateway

◉ Personal Gateway

○ Shared Gateway

○ All of the above

47. In Power BI, what is the advantage of using Import Data over DirectQuery or Live Connection?

1/1   ATTEMPTED

○ It allows for real-time data updates

◉ It reduces dependency on network connectivity

○ It provides access to larger datasets

○ It supports complex data transformations

48. What is the primary benefit of Live Connection in Power BI?   ATTEMPTED

1/1

○ It allows for data transformation and modeling

◉ It provides real-time access to data without storing it in Power BI

○ It supports offline access to reports and dashboards

○ It allows for scheduled refreshes of data

49. Which of the following actions can be performed through the Gateway Configuration Manager?   0/1   ATTEMPTED

○ Creating new reports

◉ Scheduling data refresh

○ Managing firewall settings

○ Installing Power BI Desktop

50. What is a prerequisite for installing an On-premises Data Gateway on a local server?   1/1   ATTEMPTED

○ SQL Server Developer Edition

○ Azure SQL Database

○ Power BI Pro license

- Windows Server with .NET Framework 4.5.2 or later