





Cloud Data Analyst Quiz: Developer Tools, Modeling, Dashboards & Performance

1. IDE Feature for Language Support

Question:

Which feature of an Integrated Development Environment (IDE) application makes it easier to write in a specific language and offers helpful hints?

-  Self-service analytics
-  File access
-  Spell checker
-  **Code editor**

Code editors in IDEs provide syntax highlighting, auto-completion, and error detection for specific programming languages.

2. Tracking Code Changes

Question:

What is the term for the process of tracking changes to your code?



-  Version updates
-  Code track
-  Code management
-  **Version control**

Version control systems like Git help track changes, collaborate, and revert to previous versions of code.

3. Data Modeling Language Feature for User Focus

Question:

Which feature of a data modeling language allows the end users to focus on getting their job done without considering exactly how to access the data they need?

-  Modularity
-  Efficiency
-  Accessibility

- ☒ **Abstraction**

Abstraction hides the complexity of data access, allowing users to focus on tasks rather than technical details.

4. Tool for Adding a Semantic Layer

Question:

A cloud data analyst is adding a semantic layer on top of the data. What tool has this feature as a primary advantage?

- ☒ SQL
- ☒ Enterprise data application
- ☒ **Data modeling language**
- ☒ Python

Data modeling languages define semantic layers to standardize data definitions and logic.

5. Simplifying Dashboard Management

Question:

A cloud data analyst is building and maintaining a large amount of dashboards. They learn that it is time-consuming and resource-intensive to keep up with all the dashboards. What can the cloud data analyst do to simplify dashboard management?

- ☒ **Use the dashboards as code approach**
- ☒ Use a self-service analytics approach
- ☒ Use a spreadsheet to track the dashboards
- ☒ Use an enterprise data tool

Dashboards-as-code enables version control, reusability, and structured development.

6. Virtual Table Used in Outer Query

Question:

What is the term for a virtual table that is created and used for an outer query as a regular, stored table in a database?

- ☒ Query table
- ☒ Sub-table
- ☒ Temporary table
- ☒ **Derived table**

Derived tables are nested queries whose results are treated like temporary tables.

7. Where Cached Data Is Stored

Question:

Where does the caching process keep the temporary store data?

- ☒ In the memory
- ☐ In a temporary database
- ☐ In a table
- ☐ In the cloud

Caching stores data in memory for fast access and reduced query load.

8. Importance of Caching Time Limit

Question:

Why is it important to set a time limit for caching?

- ☐ To improve storage capacity
- ☐ To avoid data duplication
- ☐ To improve query effectiveness
- ☒ To avoid stale data

Time limits ensure cached data remains fresh and relevant.

9. Independent Copy of a Repository

Question:

A cloud data analyst is working on an independent copy of a repository to make changes to a visualization. What is the term for the independent copy of the repository?

- ☒ A branch
- ☐ A program
- ☐ A folder
- ☐ A query

Branches allow developers to work independently without affecting the main codebase.

10. Breaking Down Visualizations into Parts

Question:

A data team is working on a data visualization. They use a data modeling language to break

down the visualization into smaller parts. What feature of the data modeling language is the team using?

-  Accessibility
-  Complexity
-  Efficiency
-  **Modularity**

Modularity enables reusable components and organized structure in data models.