dbt (dbt Cloud) Knowledge Check - MCQs

1. What does dbt stand for?

* A. Data Build Tool
* B. Database Binary Tracker
* C. Data Batch Transformer
* D. Data Bucket Tool

Answer: A

2. What is the primary purpose of dbt?

* A. Real-time data ingestion
* B. Data transformation using SQL
* C. Data storage
* D. Data visualization

Answer: B

3. Which type of language is primarily used to write dbt models?

* A. Python
* B. Scala
* C. SQL
* D. R

Answer: C

4. Which command is used to execute dbt models?

* A. dbt run
* B. dbt execute
* C. dbt transform
* D. dbt start

Answer: A

5. What is the dbt command to check if your project is correctly set up?

* A. dbt verify
* B. dbt init
* C. dbt check
* D. dbt debug

Answer: D

6. Where are dbt models typically stored in a dbt project directory?

* A. /data
* B. /models
* C. /sql
* D. /scripts

Answer: B

7. What file defines your dbt project configuration?

* A. dbt.json
* B. dbt\_project.yaml
* C. config.yaml
* D. manifest.json

Answer: B

8. What are 'sources' used for in dbt?

* A. To define external data transformations
* B. To track raw data in your warehouse
* C. To create dashboards
* D. To schedule jobs

Answer: B

9. What is the purpose of a `ref()` function in dbt?

* A. To define a SQL column
* B. To reference another dbt model
* C. To execute raw SQL
* D. To connect to external APIs

Answer: B

10. Which file is used to define reusable SQL expressions in dbt?

* A. models.sql
* B. macros.sql
* C. sources.sql
* D. metrics.sql

Answer: B

11. What does the `dbt build` command do?

* A. Builds dashboards
* B. Runs models, tests, and seeds
* C. Executes only seeds
* D. Executes only tests

Answer: B

12. What is a dbt 'seed'?

* A. A type of test
* B. A small model
* C. A CSV file loaded as a table
* D. A schema file

Answer: C

13. In dbt Cloud, which role is responsible for managing users and permissions?

* A. Developer
* B. Admin
* C. Editor
* D. Operator

Answer: B

14. Which warehouse type is supported by dbt and Databricks?

* A. Snowflake only
* B. Redshift only
* C. Databricks SQL Warehouse
* D. BigQuery only

Answer: C

15. What is a dbt 'test'?

* A. A way to run dbt models
* B. A query to validate data assumptions
* C. A Python function
* D. A way to monitor dashboards

Answer: B

16. Which of the following is an example of a dbt generic test?

* A. unique
* B. snapshot
* C. build
* D. profile

Answer: A

17. What does the `dbt snapshot` feature do?

* A. Takes a backup of your dbt project
* B. Creates versioned historical records
* C. Captures visualizations
* D. Updates seed files

Answer: B

18. How does dbt enable environment-specific configurations?

* A. With `.env` files
* B. Using Jinja and `target` variables
* C. Through a config.yaml
* D. Via JSON files

Answer: B

19. Which command is used to run tests in dbt?

* A. dbt validate
* B. dbt check
* C. dbt test
* D. dbt qa

Answer: C

20. What does the `on-run-start` hook do in dbt?

* A. Runs models in sequence
* B. Executes code before any models run
* C. Builds docs automatically
* D. Loads all seeds

Answer: B

21. What is the purpose of the `profiles.yml` file in dbt?

* A. Defines deployment schedules
* B. Stores connection credentials
* C. Lists all tests
* D. Contains documentation

Answer: B

22. What is the use of `dbt docs generate`?

* A. Generates PDF reports
* B. Creates test cases
* C. Generates HTML documentation
* D. Builds tables

Answer: C

23. How can you schedule dbt runs in dbt Cloud?

* A. With a CRON expression
* B. By using Python scripts
* C. Using airflow exclusively
* D. Only via terminal

Answer: A

24. What’s the role of the Jinja templating engine in dbt?

* A. Compiles SQL into JavaScript
* B. Handles CSVs
* C. Adds logic and variables into SQL
* D. Builds dashboards

Answer: C

25. What does the dbt Cloud IDE allow you to do?

* A. Build dashboards
* B. Write and test dbt code in the browser
* C. Only deploy dbt models
* D. Monitor system usage

Answer: B