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I'm teaching a Python Bootcamp and I need to evaluate my students. Create 10 multiple-choice questions about Apache Airflow with 4 possible answers for each one. Mark the correct answer with a *.

1. What is Apache Airflow?

- A. An open-source platform to manage ETL pipelines and automate workflows *
- B. A version control system
- C. An open-source software library
- D. A machine learning framework

2. What type of dependencies can Airflow manage?

- A. Directed Acyclic Graphs (DAGs) *
- B. Logical Data Flow
- C. Complex Event Processing
- D. Object-oriented Programming

3. What type of execution mode does Airflow have?

- A. Batch-oriented
- B. Event-triggered *
- C. Graph-oriented
- D. Reactive-oriented

4. What type of task does Airflow not support?

- A. File Dependency
- B. Task Chaining *
- C. Sub-DAGs
- D. Parameterized Execution

5. What SQL Alchemy utility does Airflow use?

- A. ORM *
- B. DBMS
- C. ETL
- D. RDM

6. What is the recommended way of creating Airflow workflows?

- A. Directed Acyclic Graphs (DAGs) *

- B. Python code
- C. Online visual editor
- D. SQL scripts

7. What type of monitoring does Airflow support?

- A. Webhooks
- B. Logging *
- C. Alerts
- D. Triggers

8. What type of authentication does Airflow have?

- A. LDAP *
- B. Kerberos
- C. Windows
- D. MongoDB

9. How can Airflow be scaled?

- A. Kubernetes *
- B. Docker
- C. Kafka
- D. MQTT

10. What type of parallelism does Airflow provide?

- A. Local
- B. Multi-node *
- C. Single-threaded
- D. Online