1

Questions

1. What is the primary purpose of using pipes in the context of Oracle databases as shown in the SQL 'DBMS_PIPE.RECEIVE_MESSAGE'?

A. To allow remote database connections.
B. To create secure encryption channels.
C. To enable session-level communication.
D. To facilitate network packet transfer.

2. How does the function DBMS_PIPE.RECEIVE_MESSAGE interact with the messaging system in Oracle databases?

A. It retrieves messages from a specified pipe.
B. It directly emails the messages to users.
C. It deletes old messages to save space.
D. It broadcasts messages to all active sessions.

3. Which of the following would likely be necessary for setting up a pipe using 'DBMS_PIPE.RECEIVE_MESSAGE'?

A. Access to the network interface cards.
B. Access to Oracle's internal auditing logs.
C. Administrative privileges on the Oracle server.
D. A defined schema for message parsing.

4. In what scenario would using synchronous DBMS_PIPE.RECEIVE_MESSAGE be preferable over asynchronous?

A. When all operations must complete at the same time for consistency.
B. When immediate feedback is required for subsequent tasks.
C. When real-time data processing is crucial.
D. When minimizing CPU usage is a priority.

5. What potential drawback may arise from excessive use of DBMS_PIPE.RECEIVE_MESSAGE in processing?

A. It might reduce the overall throughput of SQL queries.
B. It might unexpectedly reset database connection configurations.
C. It may result in high memory consumption due to queued messages.
D. It could compromise data integrity due to excessive channel use.

6. In the context of database applications, how can message interception and logging aid in debugging?

A. To provide real-time analytics dashboards.
B. To ensure all database-related network activity is recorded.
C. To monitor the flow of messages in real time.
D. To intercept and log test messages sent through pipes, allowing developers to observe application behavior.