

1

Questions

1. What role does the DBMS_PIPE package play in Oracle databases?

- A. Analyses and reports on query performance
- B. Facilitates inter-process communication via pipe messages
- C. Manages and maintains database security protocols
- D. Optimizes database storage and retrieval speeds

2. Why would using CHR() function be significant in forming pipe names in DBMS_PIPE?

- A. Allows dynamic creation of valid ASCII-based identifiers
- B. Prevents SQL injection attacks
- C. Increases the speed of pipe creation
- D. Ensures a consistent format for pipe identifiers

3. What specifically does the function CHR(99) generate in Oracle SQL? Quiz Topic: Oracle SQL Functions

- A. The character 'a'
- B. A null value
- C. The character 's'
- D. The character 'c'

4. Which feature does DBMS_PIPE lack that is often critical for large-scale enterprise applications?

- A. Lightweight communication protocol
- B. Scalability across distributed systems
- C. Real-time synchronization capabilities
- D. Support for complex data types

5. How does DBMS_PIPE differ from Oracle's Advanced Queuing (AQ)?

- A. AQ requires less system resources compared to DBMS_PIPE
- B. DBMS_PIPE is synchronous, AQ is asynchronous
- C. AQ supports more complex message management
- D. DBMS_PIPE uses queues for message storage

6. Which of the following is a potential drawback when using DBMS_PIPE for inter-process communication?

- A. Limited to PL/SQL environments
- B. Lack of data format flexibility
- C. Overhead of message encryption
- D. Challenges with message integrity

7. Why might an organization opt not to use DBMS_PIPE in a high-security environment?

- A. Messages are susceptible to interception
- B. It automatically logs sensitive data
- C. Messages cannot be routed across networks
- D. It lacks error handling mechanisms

8. Which operation is not supported by DBMS_PIPE in Oracle databases?

- A. Queue-based message prioritization
- B. Timeout-based message retrieval
- C. Receiving messages with ACK
- D. Sending messages between sessions

9. In Oracle DBMS_PIPE, how can a developer ensure that messages sent between processes maintain the correct order?

- A. By assigning sequence numbers within the message
- B. Trust the order of message sending from the sender
- C. Using Oracle's built-in message sequence control
- D. Sort messages at the receiver side based on timestamps