

1

Questions

1. What is the primary purpose of the DBMS_PIPE package in Oracle databases?

- A. To facilitate inter-session communication through message passing
- B. To execute SQL queries efficiently
- C. To handle transaction management
- D. To optimize data storage

2. What would be an appropriate use case for DBMS_PIPE?

- A. Storing large binary data
- B. Improving disk storage efficiency
- C. Creating user accounts
- D. Sending small tasks between different sessions

3. Which of the following statements about DBMS_PIPE naming conventions is true?

- A. Pipe names cannot include special characters
- B. Pipe names must be less than 20 characters long
- C. Pipe names must be unique across users
- D. Pipe names are case-sensitive

4. If a session is waiting on DBMS_PIPE.RECEIVE_MESSAGE, which function might be used by another session to send a message?

- A. PUT_MESSAGE
- B. SEND_MESSAGE
- C. PIPE_SEND
- D. WAIT_FOR_MESSAGE

5. What happens when a timeout occurs while waiting for a message using DBMS_PIPE.RECEIVE_MESSAGE in Oracle Database?

- A. The function terminates the session unexpectedly
- B. The function returns an indication of no message received
- C. The function waits indefinitely for a message
- D. The function deletes the communication pipe

6. In the context of Oracle databases, how can DBMS_PIPE be used to synchronize processes within applications?

- A. Enhancing the network capacity by increasing bandwidth
- B. Ensuring linear data storage for efficient access
- C. By sending signals that indicate when a process should start or stop
- D. Locking database rows during execution to prevent conflicts

7. What does the PL/SQL package DBMS_PIPE.RECEIVE_MESSAGE do when a non-existent pipe name is provided?

- A. It automatically creates the pipe.
- B. It waits indefinitely for a message.
- C. It causes the database to crash.
- D. It returns an error indicating that the pipe does not exist.

8. What datatype does DBMS_PIPE.RECEIVE_MESSAGE return when a message is successfully received in Oracle?

- A. VARCHAR2
- B. BLOB
- C. NUMBER
- D. DATE