

Windows PowerShell Copyright (C) Microsoft Corporation. All rights reserved. Install the latest PowerShell for new features and improvements! <https://aka.ms/PSWindows> PS

C:\Users\mobin> sqlplus SQL\*Plus: Release 23.0.0.0.0 - Production on Sun Jan 26 23:38:37 2025 Version 23.6.0.24.10 Copyright (c) 1982, 2024, Oracle. All rights reserved. Enter user-name: system Enter password: Last Successful login time: Sun Jan 26 2025 23:35:32 +06:00 Connected to: Oracle Database 23ai Free Release 23.0.0.0.0 - Develop, Learn, and Run for Free Version 23.6.0.24.10 -- Task a: Create a PROFILE named Combine with the specified parameters -- Create the PROFILE SQL> create profile C##Combine LIMIT 2 PASSWORD\_LIFE\_TIME 10 -- Password expires in 10 days 3 PASSWORD\_GRACE\_TIME 8 -- Grace period of 8 days after expiry 4 PASSWORD\_REUSE\_MAX 3 -- Password cannot be reused until 3 new passwords have been used 5 PASSWORD\_LOCK\_TIME 1 -- Lock account for 1 day after limit reached 6 FAILED\_LOGIN\_ATTEMPTS 2 -- Lock account after 2 failed login attempts 7 PASSWORD\_REUSE\_TIME 10; -- Password cannot be reused for 10 days Profile created. -- Test the profile by assigning it to a user SQL> SELECT \* FROM DBA\_PROFILES WHERE PROFILE = 'Combine'; no rows selected SQL> CREATE USER C##test IDENTIFIED BY 123; User created. SQL> ALTER USER C##test PROFILE C##Combine; User altered. SQL> grant create session to C##test; Grant succeeded. SQL> connect C##test/123 Connected. SQL> connect C##test/122 ERROR: ORA-01017: invalid credential or not authorized; logon denied Help: <https://docs.oracle.com/error-help/db/ora-01017/> Warning: You are no longer connected to ORACLE. SQL> connect C##test/121 ERROR: ORA-01017: invalid credential or not authorized; logon denied Help: <https://docs.oracle.com/error-help/db/ora-01017/> SQL> connect C##test/121 ERROR: ORA-28000: The account is locked; login denied. Help: <https://docs.oracle.com/error-help/db/ora-28000/> SQL> connect C##test/123 Connected. SQL> password Changing password for C##TEST Old password: New password: Retype new password: Password changed SQL> connect C##test/1 Connected. SQL> connect C##test/1 Connected. SQL> password Changing password for C##TEST Old password: New password: Retype new password: Password changed SQL> connect C##test/123 Connected. SQL> password Changing password for C##TEST Old password: New password: Retype new password: ERROR: ORA-28007: The password cannot be reused. Help: <https://docs.oracle.com/error-help/db/ora-28007/> Password unchanged SQL> connect C##test/1 ERROR: ORA-01017: invalid credential or not authorized; logon denied Help: <https://docs.oracle.com/error-help/db/ora-01017/> Warning: You are no longer connected to ORACLE. SQL> connect C##test/123 Connected. SQL> password Changing password for C##TEST Old password: New password: Retype new password: ERROR: ORA-28007: The password cannot be reused. Help: <https://docs.oracle.com/error-help/db/ora-28007/> -- Task b: Justify the statement about mutual exclusivity -- Correct usage examples: SQL> ALTER PROFILE Combine LIMIT PASSWORD\_REUSE\_MAX 3 PASSWORD\_REUSE\_TIME UNLIMITED; SQL> ALTER PROFILE Combine LIMIT PASSWORD\_REUSE\_TIME 10 PASSWORD\_REUSE\_MAX UNLIMITED; -- Incorrect usage example (results in an error): -- ALTER PROFILE Combine LIMIT PASSWORD\_REUSE\_MAX 3 PASSWORD\_REUSE\_TIME 10; -- Explanation: -- PASSWORD\_REUSE\_MAX and PASSWORD\_REUSE\_TIME are mutually exclusive to prevent contradictions. -- Example: PASSWORD\_REUSE\_MAX = 3 requires 3 password changes; PASSWORD\_REUSE\_TIME = 10 requires 10 days. -- If both are set, it creates ambiguity about which rule takes precedence.