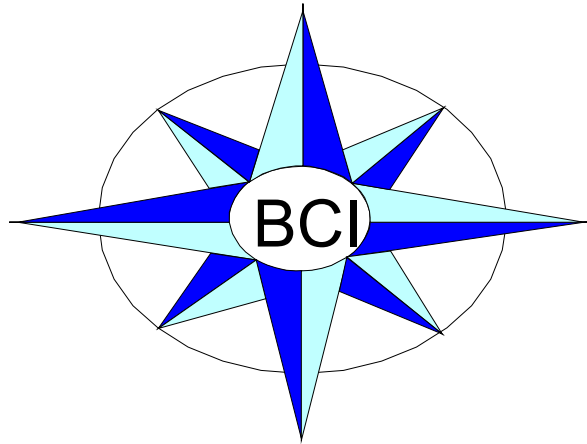


*** Practical Exercise-4 Key ***
(Basic Oracle Security – Using Profiles)



ORACLE DBA I PHASE I

Practical Exercise-4

Basic Oracle Security – Using Profiles

DIRECTIONS: Follow the directions carefully. Provide your answer in the space provided. You will have 20 minutes to complete this exercise. DO YOUR OWN WORK! Log in as system.

First turn on the resource_limit parameter to true. ALTER SYSTEM SET resource_limit=TRUE;

Perform the following; create profile sidpers_users limit sessions_per_user 2 idle_time 30; alter user UserKeep profile sidpers_users;

Attempt to connect to 3 sqlplus sessions as userkeep.

1. Were you successful? Why or why not?
(Not for the 3rd session. Because the limit is 2.)

- Log in as system with the password of password. If you receive the licensing information page, click I agree to continue.
- On the Enterprise Manager Express Home page, click the Security hyperlink to display the Security page.
- Click the Profiles hyperlink under Users and Privileges to display the profiles currently defined in the database. There should be three: DEFAULT, MONITORING_PROFILE, and sidpers_users.
- Click Create to create a new profile called DBA_PROFILE. Assign it connect time value of UNLIMITED, idle time of 30 minutes, and a concurrent session's value of UNLIMITED. Leave all other settings at the value of DEFAULT.
- Click Show SQL to view the SQL code to perform the action, and then click return and then OK to create the profile.
- On the profile list page, select DEFAULT and then click Edit.
- Modify the value of the default profile to specify a connection time of 600 minutes, an idle time of 30 minutes, and a concurrent sessions value of 2.
- Click Apply to save your changes.
- Click the Profiles hyperlink to return to the list of profiles.
- Open another browser window and connect to the instance using SQL*Plus as the user User1 with the password of password.
- Open another browser and once again attempt to connect to the instance using SQL*Plus as User1. Notice that you do not receive an error message and User1 is able to connect. This is because resource limits have not been configured to be enforced on this instance.
- Log out of SQL*Plus as User1, but leave the browser window open.
- In another browser window, connect to the instance using SQL*Plus as system with a password of password.
- Issue the following command: alter system set resource_limit = true;

Attempt to log in as User1 for the second time.

2. Did you get an error message? Why or why not?
(Yes, session limitations are set to 2.)

Perform the following options to clean up your session:

- As user system, turn off resource limits by issuing the command:
- `alter system set resource_limit = false;` Close that SQL*Plus session.
- Log out of all other SQL*Plus sessions and return to the Enterprise Manager console.
- Navigate to the Security page in Enterprise Manager Express and click Users.
- Click the user UserKeep and on the Edit User page, select the drop-down list box next to profile.
- Assign UserKeep the DBA_Profile. Click Apply.
- Return to the users page and edit the user User1. Assign that user the dba_profile.
- Return to the Security page and select Profiles under Users and Privileges
- Select the dba_profile. In the Actions drop-down list box, select Show Dependencies, then click GO.
- On the Users page, click on the UserKeep user to see his profile has been changed.
- Click OK to return to the profiles page.