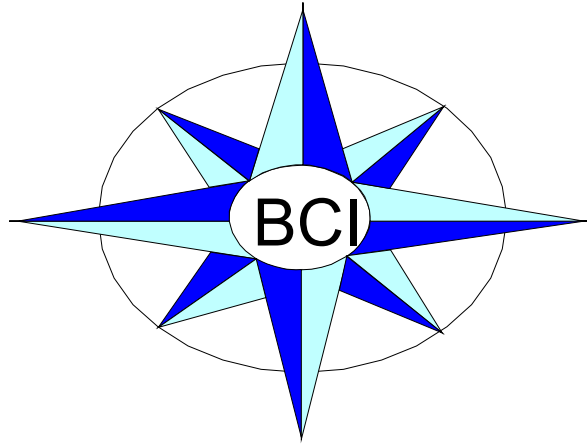


*** Practical Exercise-2 Key ***
(Basic Oracle Security – Managing Privileges)



ORACLE DBA I PHASE I

Practical Exercise-2

Basic Oracle Security – Managing Privileges

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! (**Logon as the system user**)

- Create a new user called user2 with a password of 'password', using the default tablespace of users and the default temporary tablespace of temp.
- Grant create any table, create session, create tablespace, select_catalog_role to user2.
- Log on as User2 with a password or 'password'.
- Create the following table in SIDPERS schema: create table sidpers.user2tbl (ucolumn varchar2(20));

(1. Create user USER2 identified by password

default tablespace USERS

temporary tablespace temp;

2. Grant create any table, create session, create tablespace, select_catalog role to USER2;

3. Connect USER2/password)

1. Were you successful?

Create the following users according to the table below:

Username	Password	Default Tablespace	Default Temporary Tablespace	Quotas
UserKeep	Password	Users	Temp	
UserLose	Password	Users	Temp	15M on Users
UserExtra	Password	Users	Temp	15M on Users

Logged on as sidpers, grant the following privileges to the users:

User	Privilege
UserKeep	Create Session with Admin Option, Create Table with Admin Option Select_catalog_role
UserExtra	Create Session Select_catalog_role

Now log on as UserKeep. As UserKeep, grant Create Session, Create Table to UserLose.

Connect as UserLose.

(Connect userlose/password)

2. Were you successful? Why or why not?

(No. Userlose does not have create_session privilege.)

Connect userkeep/password;

Grant create session to userlose;

Connect userlose/password

Create the following table. Create table uLose2 (ucolumn varchar2(20));

3. Where you successful?
(No. Userlose does not have create table privilege.)

Log back on as sidpers.

- Revoke the create table privilege from UserKeep. **(Revoke create table from userkeep)**
- Connect as Userkeep. **(connect userkeep/password)**
- Attempt to create the following table: create table uLose2 (uColumn2 varchar2(20));

4. Where you successful? Why or why not?
(No. Userkeep no longer has create table rights because that privilege came from sidpers.)

Connect as sidpers.

Create the following table: create table mtable (value1 varchar2(20));

Grant the following object privileges:

User	Object Privilege
UserKeep	select insert on sidpers.mtable, delete on sidpers.mtable with grant option
UserExtra	select on sidpers.mtable

(Grant select/insert on mtable to userkeep; grant delete on mtable with admin option to userkeep; grant select on mtable to userextra; connect userkeep/password.)

Log on as UserKeep, Insert the following 3 records:

- insert into sidpers.mtable values('valueA');
- insert into sidpers.mtable values('valueB');
- insert into sidpers.mtable values('valueC');

5. Where you successful?
(Yes.)

Still logged on as UserKeep, grant the following privileges:

User	Object Privilege
UserLose	Delete on sidpers.mtable

(Grant delete on sidpers.mtable to userlose; connect userlose/password.)

Log on as UserLose. Delete the following record:

delete from sidpers.mtable where value1='valueC';

6. Where you successful? Why or why not?
(Yes, because userkeep with the delete admin option has the privilege.)