Date: 24/9/25

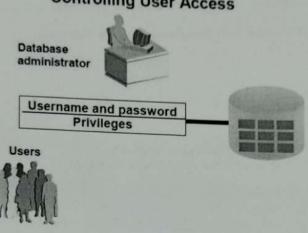
EXERCISE-15

AIM: To understand about controlling the Access in

After the completion of this exercise, the students will be able to do the following:

- · Create users
- Create roles to ease setup and maintenance of the security model
- Use the GRANT and REVOKE statements to grant and revoke object privileges
- · Create and access database links

Controlling User Access



Controlling User Access

In a multiple-user environment, you want to maintain security of the database access and use. With Oracle server database security, you can do the following: · Control database access

- · Give access to specific objects in the database
- · Confirm given and received privileges with the Oracle data dictionary
- · Create synonyms for database objects

Privileges

- · Database security:
- System security
- Data security
- System privileges: Gaining access to the database
- · Object privileges: Manipulating the content of the database objects
- · Schemas: Collections of objects, such as tables, views, and sequences

System Privileges

- More than 100 privileges are available.
- The database administrator has high-level system privileges for tasks such as:
- Creating new users

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object privilege?

1. What privilege should a user be given to log on to the Oracle Server? Is this a system or an object privilege? CREATE SESSION (A synten privilege) 2. What privilege should a user be given to create tables? The original granton, if the business was be A NT DOTION 3. If you create a table, who can pass along privileges to other users on your table?

The original front of the privilege was given with be ANT offers the properties.

Translate front the yellow burnings to the role, and have great the 4. You are the DBA. You are creating many users who require the same system privileges. What should you use to make your job easier? Create a ROLE, grant the mutam privileyes to the role grant the role 5. What command do you use to change your password? ACTER WARRANT IDE NTIFIER & y New James of your guer 6. Grant another user access to your DEPARTMENTS table. Have the user grant you query access to his or her DEPARTMENTS table. GRANT Select ON Devortments to another - wer with GRANTOPTION 7. Query all the rows in your DEPARTMENTS table. 8. Add a new row to your DEPARTMENTS table. Team 1 should add Education as department number 500. Team 2 should add Human Resources department - human team's table. I NSERT I NTO Departments (department - human lepartment number lepartment nu table FROM other - term - was; 11. Remove the row you inserted into the DEPARTMENTS table in step 8 and save the changes.

lebete FROM departments where department-worder IN (500,510)

RESULT: Thus the concept of controlling wer Access in Mysal is Mudied.

Evaluation Procedure	Marks awarded
Practice Evaluation (5)	5
Viva(5)	A
<u>Total (10)</u>	9
Faculty Signature	000

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