**TCL and DCL Statements**

**Reference Links**

<https://www.studytonight.com/dbms/tcl-command.php>

<https://sites.google.com/site/prgimr/sql/tcl-commands---commit---rollback---savepoint>

<https://www.oracle-dba-online.com/sql/grant_and_revoke_privileges.htm>

<https://www.techonthenet.com/oracle/grant_revoke.php>

<https://www.oracletutorial.com/oracle-administration/oracle-grant/>

<http://www.rebellionrider.com/object-privileges-with-grant-option-oracle/>

**Video Links**

<https://www.youtube.com/watch?v=12ly1opuGTw>

<http://www.rebellionrider.com/object-privileges-with-grant-option-oracle/>

<https://www.youtube.com/watch?v=vCMksYnoeyI>

<https://www.youtube.com/watch?v=j4mOUDUtRJ4>

**Assignments**

1. Explain the following DCL statements in short

* GRANT
* REVOKE

1. Explain the types of privileges with their use.
2. Explain the concept of Role in short along with it’s advantages.
3. Assign the SELECT, INSERT privilege on Employees table to User2
4. Assign SELECT privilege on Products, Suppliers and Customers table to User2

Allow grantee to assign the same privileges to further other users as well.

* Assign below privileges to the role
  + Create any table
  + Create any view
  + Alter any table
  + Drop any table
  + Create any index
  + Drop any index
* Assign a role to User1

1. Explain the concept of database Transaction in short.
2. Explain the types of Transaction Control statements with their uses.