

Database Programming with SQL

17-2: Creating and Revoking Object Privileges

Practice Activities

Objectives

- Explain what a ROLE is and what its advantages are
- Construct a statement to create a ROLE and GRANT privileges to it
- Construct a GRANT ON TO WITH GRANT OPTION statement to assign privileges to objects in a user's schema to other users and/or PUBLIC
- Construct and execute a statement to REVOKE object privileges from other users and/or from PUBLIC
- Distinguish between privileges and roles
- Explain the purposes of a database link

Try It / Solve It

1. What is a role?
2. What are the advantages of a role to a DBA?
3. Give the ability to another user in your class to look at one of your tables. Give him the right to let other students have that ability.
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?
5. What is the syntax to accomplish the following?
 - a. Create a role of manager that has the privileges to select, insert, and update and delete from the employees table
 - b. Create a role of clerk that just has the privileges of select and insert on the employees table
 - c. Grant the manager role to user scott
 - d. Revoke the ability to delete from the employees table from the manager role
6. What is the purpose of a database link?