

SQLPlus Security/Privileges

The SQL statements GRANT and REVOKE, respectively allow /disallow access.

```
GRANT {role | privilege_list ON object_name} TO user;
```

ROLE

ADMIN: CREATE SCHEMA, CREATE USER, ALTER USER, DROP USER, DROP SCHEMA, GRANT, and REVOKE

DBA/DDL: All ADMIN privileges, CREATE TABLE, CREATE ANY TABLE, CREATE VIEW, CREATE ANY VIEW, CREATE INDEX, CREATE ANY INDEX, ALTER TABLE, ALTER VIEW, DROP TABLE, DROP VIEW, and DROP INDEX.

RESOURCE: The RESOURCE role grants the same level of control as the DBA/DDL role, but only over the user's own domain.

Example:

```
CREATE USER user IDENTIFIED BY
    PAssWord;
    - GRANT ADMIN TO user;
- GRANT INSERT, DELETE ON EMP TO
    user;
- GRANT ALL ON PRODUCT TO user;
    more example:
    ALTER USER user IDENTIFIED BY
        password ;
    REVOKE ADMIN FROM user;
REVOKE INSERT,DELETE ON EMP FROM
    user;
DROP USER user; [CASCADE] Drops
all objects associated with the
    user.
CREATE ROLE role NOT IDENTIFIED;
    Create role without a password
```

```
CREATE ROLE role IDENTIFIED BY password;
```

```
SET ROLE role [IDENTIFIED BY password][,...]
```

```
ALTER ROLE role IDENTIFIED BY password;
```

```
ALTER ROLE role NOT IDENTIFIED;
```

```
DROP ROLE role;
```