

Grant and Revoke commands

SQL*Plus: Release 11.2.0.2.0 Production on Tue Sep 24 11:43:32 2024

Copyright (c) 1982, 2014, Oracle. All rights reserved.

Login as the system user (or another user with admin privileges):

```
SQL> conn sys/cloud as sysdba
```

Connected.

Create a new user:

```
SQL> create user test identified by test;
```

User created.

Grant basic privileges to the new user:

```
SQL> grant create session,create table to test;
```

Grant succeeded.

Connect as the new user

```
SQL> connect test/test;
```

Connected.

Create a table as the `test` user

```
SQL> create table stu(id number(10),name varchar(10));
```

```
create table stu(id number(10),name varchar(10))
```

*

ERROR at line 1:

ORA-01950: no privileges on tablespace 'SYSTEM'

Log in as a DBA (SYS or SYSTEM user):

```
SQL> connect system/cloud;
```

Connected.

Grant quota on a tablespace to the user(`DEFAULT` tablespace, which is often `SYSTEM`)

```
SQL> alter user test quota 10m on system;
```

User altered.

```
SQL> connect test/test;
```

Connected.

```
SQL> create table stu(id number(10), name varchar(20));
```

Table created.

Insert some data into the table:

```
SQL> insert into stu values(1,'ajay');
```

1 row created.

```
SQL> commit;
```

Commit complete.

Log in as a DBA (SYS or SYSTEM user):

```
SQL> connect system/cloud;
```

Connected.

Create another user:

```
SQL> create user adam identified by adam;
```

User created.

Grant `CREATE SESSION` to the new user

```
SQL> grant create session to adam;
```

Grant succeeded.

```
SQL> alter user adam quota 10m on system;
```

User altered.

Grant object privileges on the `stu` table to `adam`:

```
SQL> grant select, insert on test.stu to adam;
```

Grant succeeded.

Connect as `adam`:

```
SQL> connect adam/adam;
```

Connected.

```
SQL> select * from test.stu;
```

ID	NAME
1	ajay

```
SQL> insert into test.stu values(2,'adam');
```

1 row created.

```
SQL> connect system/cloud;
```

Connected.

Revoke the `INSERT` privilege from `adam`:

```
SQL> revoke insert on test.stu from adam;
```

Revoke succeeded.

```
SQL> connect adam/adam;
```

Connected.

```
SQL> select * from test.stu;
```

ID	NAME
1	ajay
2	adam

```
SQL> insert into test.stu values(3,'bsingh');
```

```
insert into test.stu values(3,'bsingh')
```

```
*
```

```
ERROR at line 1:
```

```
ORA-01031: insufficient privileges
```