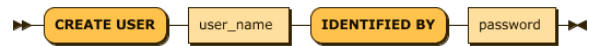


# User Management

## CREATE USER

---

create\_user\_stmt:



```
create_user_stmt ::= 'CREATE USER' user_name 'IDENTIFIED BY' password
```

The syntax for creating a user is:

```
-- Example  
CREATE USER new_user IDENTIFIED BY password
```

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## DROP USER

drop\_user\_stmt:



```
drop_user_stmt ::= 'DROP USER' user_name
```

The syntax for deleting a user is as follows. The SYS user can not be deleted, and if there is a table already created by the user to be deleted, an error is displayed.

```
-- Example  
DROP USER old_user
```

## ALTER USER

alter\_user\_pwd\_stmt:



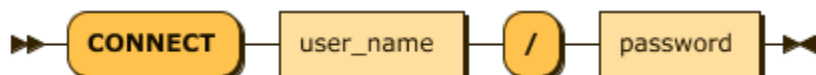
```
alter_user_pwd_stmt ::= 'ALTER USER' user_name 'IDENTIFIED BY' password
```

The user can change the password through the following syntax.

```
-- Example  
ALTER USER user1 IDENTIFIED BY password
```

## CONNECT

user\_connect\_stmt:



```
user_connect_stmt: 'CONNECT' user_name '/' password
```

The user can reconnect to another user via the following syntax without terminating the application.

```
CONNECT user1/password;
```

## Managing User Example

Here is an example of the above query and its results.

```
#####
# Connect with SYS account
#####
Mach> create user demo identified by 'demo';
Created successfully.

Mach> drop user demo;
Dropped successfully.

Mach> create user demol identified by 'demol';
Created successfully.

Mach> create user demo2 identified by 'demo2';
Created successfully.

Mach> alter user demo2 identified by 'demo22';
Altered successfully.

Mach> create table demol_table (id integer);
Created successfully.

Mach> create bitmap index demol_table_index1 on demol_table(id);
Created successfully.

Mach> insert into demol_table values(99991);
1 row(s) inserted.

Mach> insert into demol_table values(99992);
1 row(s) inserted.

Mach> insert into demol_table values(99993);
1 row(s) inserted.

Mach> select * from demol_table;
ID
-----
99993
99992
99991
[3] row(s) selected.

#Error: Can't drop the user connected.
Mach> drop user SYS;
[ERR-02083 : Drop user error. You cannot drop yourself(SYS).]

#####
# Connect DEMO1
#####
Mach> connect demol/demol;
Connected successfully.

#Error: can't alter other's account password
Mach> alter user demo2 identified by 'demo22';
[ERR-02085 : ALTER user error. The user(DEMO2) does not have ALTER privileges.]

Mach> alter user demol identified by demol1;
Altered successfully.
```

```

Mach> connect demo2/demo22;
Connected successfully.

#Error: wrong password
Mach> connect demol/demol1234;
[ERR-02081 : User authentication error. Invalid password (DEMO11234).]

# Correct password
Mach> connect demol/demol11;
Connected successfully.

Mach> create table demol_table (id integer);
Created successfully.

Mach> create bitmap index demol_table_index1 on demol_table(id);
Created successfully.

Mach> insert into demol_table values(1);
1 row(s) inserted.

Mach> insert into demol_table values(2);
1 row(s) inserted.

Mach> insert into demol_table values(3);
1 row(s) inserted.

Mach> select * from demol_table;
ID
-----
3
2
1
[3] row(s) selected.

Mach> select * from demol.demol_table;
ID
-----
3
2
1
[3] row(s) selected.

#####
# Connect SYS again
#####
Mach> connect SYS/MANAGER;
Connected successfully.

Mach> select * from demol_table;
ID
-----
99993
99992
99991
[3] row(s) selected.

Mach> select * from demol.demol_table;
ID
-----
3
2
1
[3] row(s) selected.

Mach> drop user demol;
[ERR-02084 : DROP user error. The user's tables still exist. Drop those tables first.]

Mach> connect demol/demol11;
Connected successfully.

Mach> drop table demol_table;

```

Dropped successfully.

```
Mach> connect SYS/MANAGER;  
Connected successfully.
```

```
Mach> drop user demol;  
Dropped successfully.
```