# **Practical: 8**

SQL\*Plus: Release 21.0.0.0.0 - Production on Sun Sep 28 05:34:29 2025

Version 21.3.0.0.0

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Enter user-name: system

Enter password:

Last Successful login time: Sun Sep 28 2025 05:20:02 +05:30

Connected to:

Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production

Version 21.3.0.0.0

SQL> create table library(bookid int,bname varchar(20),author varchar(20),publisher varchar(20),price float , pdate date);

Table created.

SQL> create table bklib \* from library;

create table bklib \* from library

\*

ERROR at line 1:

ORA-00922: missing or invalid option

SQL> create table bklib as select \* from library;

create table bklib as select \* from library

\*

ERROR at line 1:

ORA-00955: name is already used by an existing object

SQL> create table bklib as select \* from library;

Table created.

SQL> insert into library values(101,'dbms','korth','willy',700,'12-jun-2025');

1 row created.

SQL> insert into library values(102,'dsa','xyz','abc',700,'12-aug-2025');

1 row created.

SQL> insert into library values(103,'c','abc','xyz',70,'12-sep-2025');

1 row created.

SQL> insert into library values(104,'c++','a','x',800,'16-jul-2025');

1 row created.

SQL> select \* from library;

BOOKID BNAME AUTHOR PUBLISHER

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PRICE PDATE

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101 dbms korth willy

700 12-JUN-25

102 dsa xyz abc

700 12-AUG-25

103 c abc xyz

70 12-SEP-25

BOOKID BNAME AUTHOR PUBLISHER

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PRICE PDATE

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104 c++ a x

800 16-JUL-25

SQL> @C:\Users\sarth\Downloads\dbms\_pr8.sql

Trigger created.

SQL> delete from library;

4 rows deleted.

SQL> select \* from bklib;

BOOKID BNAME AUTHOR PUBLISHER

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PRICE PDATE

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101 dbms korth willy

700 12-JUN-25

102 dsa xyz abc

700 12-AUG-25

103 c abc xyz

70 12-SEP-25

BOOKID BNAME AUTHOR PUBLISHER

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PRICE PDATE

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104 c++ a x

800 16-JUL-25

SQL> select \* from library;

no rows selected.

SQL> create table lib(bookid int,bname varchar(20),author varchar(20),publisher varchar(20),pric float , pdate date);

Table created.

STATEMENT TRIGGER:

create or replace trigger statement

before update or delete or insert on lib

for each row

begin

if rtrim(upper(to\_char(sysdate,'day','nls\_date\_language=english')))='SUNDAY' then

raise\_application\_error(-20001,'operation not allowed on sunday');

end if;

end;

/

OUTPUT:

SQL> @ C:\Users\sarth\Downloads\dbms\_pr8.sql

Trigger created.

SQL> insert into lib values(101,'dbms','korth','willy',700,'12-jun-2025');

insert into lib values(101,'dbms','korth','willy',700,'12-jun-2025')

\*

ERROR at line 1:

ORA-20001: operation not allowed on sunday

ORA-06512: at "SYSTEM.STATEMENT", line 3

ORA-04088: error during execution of trigger 'SYSTEM.STATEMENT'

SQL> delete from lib;

delete from lib

\*

ERROR at line 1:

ORA-20001: operation not allowed on sunday

ORA-06512: at "SYSTEM.STATEMENT", line 3

ORA-04088: error during execution of trigger 'SYSTEM.STATEMENT'

## PL/SQL Code:

create or replace trigger bk

before update or delete on library

for each row

begin

insert into bklib values(:old.bookid,:old.bname,:old.author,:old.publisher,:old.price,:old.pdate);

end;

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