**Practical no: 7**

create or replace trigger bookdemo

before update or delete on library

for each row

begin

insert into bk\_lib values(:old.srno,:old.book\_name,:old.publication,:old.price,:old.purchase\_date);

end;

/

SQL\*Plus: Release 21.0.0.0.0 - Production on Thu Sep 11 19:01:00 2025

Version 21.3.0.0.0

Copyright (c) 1982, 2021, Oracle. All rights reserved.

Enter user-name: system

Enter password:

Last Successful login time: Thu Sep 11 2025 18:15:56 +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(srno int ,book\_name varchar(20),publication varchar(20),price float,purchase\_date date);

Table created.

SQL> insert into library values(1,'java','thomas',4580,'12-sep-2025');

1 row created.

SQL> insert into library values(2,'python','jackson',8480,'18-nov-2025');

1 row created.

SQL> insert into library values(3,'c++','willims',3400,'28-dec-2025');

1 row created.

SQL> insert into library values(4,'dbms','dectos',6400,'05-mar-2025');

1 row created.

SQL> desc library;

Name Null? Type

----------------------------------------- -------- ----------------------------

SRNO NUMBER(38)

BOOK\_NAME VARCHAR2(20)

PUBLICATION VARCHAR2(20)

PRICE FLOAT(126)

PURCHASE\_DATE DATE

SQL> select \* from library;

SRNO BOOK\_NAME PUBLICATION PRICE PURCHASE\_

---------- -------------------- -------------------- ---------- ---------

1 java thomas 4580 12-SEP-25

2 python jackson 8480 18-NOV-25

3 c++ willims 3400 28-DEC-25

4 dbms dectos 6400 05-MAR-25

SQL> create table bk\_lib(srno int ,book\_name varchar(20),publication varchar(20),price float,purchase\_date date);

Table created.

SQL> C:\Users\HP\OneDrive\Desktop\TE-A1\triggerprog.sql

SP2-0023: String not found.

SQL> @C:\Users\HP\OneDrive\Desktop\TE-A1\triggerprog.sql

Trigger created.

SQL> select \* from bk\_lib;

no rows selected

SQL> set serveroutput on

SQL> update library set price = price + 100 where srno =3;

1 row updated.

SQL> select \* from bk\_lib;

SRNO BOOK\_NAME PUBLICATION PRICE PURCHASE\_

---------- -------------------- -------------------- ---------- ---------

3 c++ willims 3400 28-DEC-25

SQL> update library set price = price + 100 where srno =1;

1 row updated.

SQL> select \* from bk\_lib;

SRNO BOOK\_NAME PUBLICATION PRICE PURCHASE\_

---------- -------------------- -------------------- ---------- ---------

3 c++ willims 3400 28-DEC-25

1 java thomas 4580 12-SEP-25

SQL> DELETE from library where srno=4;

1 row deleted.

SQL> select \* from bk\_lib;

SRNO BOOK\_NAME PUBLICATION PRICE PURCHASE\_

---------- -------------------- -------------------- ---------- ---------

3 c++ willims 3400 28-DEC-25

1 java thomas 4580 12-SEP-25

4 dbms dectos 6400 05-MAR-25