**PRACTICAL NO.7**

* **ROW-LEVEL TRIGGER :**

create or replace trigger bookdemo

before update or delete on libry

for each row

begin

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

end;

/

SQL\*Plus: Release 21.0.0.0.0 - Production on Tue Sep 30 11:56:14 2025

Version 21.3.0.0.0

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Enter user-name: system

Enter password:

Last Successful login time: Tue Sep 30 2025 11:43:14 +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 libry(srno int ,book\_name varchar(20),publication varchar(20),price float,purchase\_date date);

Table created.

SQL> insert into libry values(2,'python','shraddha',4000,'18-sep-2025');

1 row created.

SQL> insert into libry values(3,'oop','sai',5000,'19-oct-2025');

1 row created.

SQL> insert into libry values(4,'css','ram',6000,'20-oct-2025');

1 row created.

SQL> insert into libry values(5,'deld','sita',7000,'27-oct-2025');

1 row created.

SQL> select \* from libry;

SRNO BOOK\_NAME PUBLICATION PRICE PURCHASE\_

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2 python shraddha 4000 18-SEP-25

3 oop sai 5000 19-OCT-25

4 css ram 6000 20-OCT-25

5 deld sita 7000 27-OCT-25

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

Table created.

SQL> @"C:\Users\System05\Desktop\New folder\Trigger.sql"

Trigger created.

SQL> set serveroutput on

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

1 row updated.

SQL> select \* from bkklib;

SRNO BOOK\_NAME PUBLICATION PRICE PURCHASE\_

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3 oop sai 5000 19-OCT-25

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

0 rows updated.

SQL> select \* from bkklib;

SRNO BOOK\_NAME PUBLICATION PRICE PURCHASE\_

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3 oop sai 5000 19-OCT-25

SQL> update libry set price = price + 100 where srno =4;

1 row updated.

SQL> select \* from bkklib;

SRNO BOOK\_NAME PUBLICATION PRICE PURCHASE\_

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3 oop sai 5000 19-OCT-25

4 css ram 6000 20-OCT-25

SQL> update libry set price = price + 100 where srno =5;

1 row updated.

SQL> select \* from bkklib;

SRNO BOOK\_NAME PUBLICATION PRICE PURCHASE\_

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3 oop sai 5000 19-OCT-25

4 css ram 6000 20-OCT-25

5 deld sita 7000 27-OCT-25

SQL> Delete from libry where srno=4;

1 row deleted.

SQL> select \* from bkklib;

SRNO BOOK\_NAME PUBLICATION PRICE PURCHASE\_

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3 oop sai 5000 19-OCT-25

4 css ram 6000 20-OCT-25

5 deld sita 7000 27-OCT-25

4 css ram 6100 20-OCT-25

SQL> select \* from libry;

SRNO BOOK\_NAME PUBLICATION PRICE PURCHASE\_

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2 python shraddha 4000 18-SEP-25

3 oop sai 5100 19-OCT-25

5 deld sita 7100 27-OCT-25

* **Statement Level Trigger :**

create or replace trigger lib\_statement

before update on libry

begin

dbms\_output.put\_line('An update statement is executed on LIBRARY table');

end;

/

SQL> set serveroutput on

SQL> @"C:\Users\System05\Desktop\New folder\StatementTrigger.sql"

Trigger created.