**Practical no: 07**

**Create Trigger:**

create or replace trigger xyzdemo

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;

/

**Output:**

SQL\*Plus: Release 21.0.0.0.0 - Production on Thu Sep 11 02:34:29 2025

Version 21.3.0.0.0

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Enter user-name: system

Enter password:

Last Successful login time: Wed Sep 10 2025 03:55:35 -07:00

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',4000,'12-sep-2025');

1 row created.

SQL> insert into library values(2,'python','thomas',2000,'18-sep-2025');

1 row created.

SQL> insert into library values(3,'c++','anins',8000,'28-sep-2025');

1 row created.

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

Table created.

SQL> select \* from library;

SRNO BOOK\_NAME PUBLICATION PRICE PURCHASE\_

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1 java thomas 4000 12-SEP-25

2 python thomas 2000 18-SEP-25

3 c++ anins 8000 28-SEP-25

SQL> desc bk\_lib;

Name Null? Type

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SRNO NUMBER(38)

BOOK\_NAME VARCHAR2(20)

PUBLICATION VARCHAR2(20)

PRICE FLOAT(126)

PURCHASE\_DATE DATE

SQL> @C:\Users\System05\Desktop\TE\_A1\_DBMS\program7.sql

Trigger created.

**Delete Trigger:**

CREATE OR REPLACE TRIGGER xyzdemo

BEFORE DELETE ON library

FOR EACH ROW

BEGIN

INSERT INTO bk\_lib (srno, book\_name, publication, price, purchase\_date)

VALUES (:old.srno, :old.book\_name, :old.publication, :old.price, :old.purchase\_date);

END;

**/**

**Output:**

SQL> delete from library where srno=2;

1 row deleted

SQL> select \* from library;

SRNO BOOK\_NAME PUBLICATION PRICE PURCHASE\_

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1 java thomas 4000 12-SEP-25

3 c++ anins 8000 28-SEP-25

SQL> select \* from bk\_lib;

SRNO BOOK\_NAME PUBLICATION PRICE PURCHASE\_DATE

2 python thomas 2000 18-SEP-25