**PRACTICAL NO.7**

* **Create Trigger :**

CREATE OR REPLACE TRIGGER XYZ

BEFORE UPDATE OR DELETE ON Lib

FOR EACH ROW

BEGIN

INSERT INTO Bak\_Lib (Srno, BookName, Publication, Price, DatePurchase)

VALUES (:OLD.Srno, :OLD.BookName, :OLD.Publication, :OLD.Price, :OLD.DatePurchase);

END;

/

* **QUERIES :**

SQL\*Plus: Release 21.0.0.0.0 - Production on Thu Sep 11 14:59:54 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 14:59:16 +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 Lib (Srno NUMBER(20), BookName VARCHAR2(20), Publication VARCHAR2(20), Price NUMBER(6,2), DatePurchase DATE);

Table created.

SQL> INSERT INTO Lib (Srno, BookName, Publication, Price, DatePurchase) VALUES (1, 'DBMS', 'Technical', 250.00, TO\_DATE('2023-07-01', 'YYYY-MM-DD'));

1 row created.

SQL> INSERT INTO Lib (Srno, BookName, Publication, Price, DatePurchase) VALUES (2, 'Java Basics', 'Sun Press', 350.50, TO\_DATE('2022-05-15', 'YYYY-MM-DD'));

1 row created.

SQL> INSERT INTO Lib (Srno, BookName, Publication, Price, DatePurchase) VALUES (3, 'Python 101', 'TechWorld', 450.75, TO\_DATE('2021-09-20', 'YYYY-MM-DD'));

1 row created.

SQL> select\*from Lib;

SRNO BOOKNAME PUBLICATION PRICE DATEPURCH

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

1 DBMS Technical 250 01-JUL-23

2 Java Basics Sun Press 350.5 15-MAY-22

3 Python 101 TechWorld 450.75 20-SEP-21

SQL> desc Lib;

Name Null? Type

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

SRNO NUMBER(20)

BOOKNAME VARCHAR2(20)

PUBLICATION VARCHAR2(20)

PRICE NUMBER(6,2)

DATEPURCHASE DATE

SQL> CREATE TABLE Bak\_Lib (Srno NUMBER(20), BookName VARCHAR2(20), Publication VARCHAR2(20), Price NUMBER(6,2), DatePurchase DATE);

Table created.

SQL> @C:\Users\System05\Desktop\DBMSA1\T.sql

Trigger created.

SQL> UPDATE Lib SET Price = Price + 10 WHERE Srno = 1;

1 row updated.

SQL> DELETE FROM Lib WHERE Srno = 2;

1 row deleted.

SQL> SELECT \* FROM Bak\_Lib;

SRNO BOOKNAME PUBLICATION PRICE DATEPURCH

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

1 DBMS Technical 250 01-JUL-23

2 Java Basics Sun Press 350.5 15-MAY-22

SQL> select\*from Lib;

SRNO BOOKNAME PUBLICATION PRICE DATEPURCH

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

1 DBMS Technical 260 01-JUL-23

3 Python 101 TechWorld 450.75 20-SEP-21