Practical No : 07

Que. Database Trigger (All Types: Row level and Statement level triggers, Before and After Triggers).

create table library(bno number(5),bname varchar2(20),author varchar2(20),allowed\_days number(5));

Table created.

SQL> insert into library values (1,'java','Mr.Patil',10);

1 row created.

SQL> insert into library values (2,'UB','Mr.Sharma',15);

1 row created.

SQL> insert into library values (3,'CPP','Mr.Surve',15);

1 row created.

SQL> create table library\_audit(bno number(5),o\_days number(5),n\_days number(5));

Table created.

SQL> create or replace trigger tr1

2 before update or delete on library

3 for each row

4 begin

5 insert into library\_audit values(:new.bno,:old.allowed\_days,:new.allowed\_days);

6 end;

7 /

Trigger created.

SQL> select \* from library;

BNO BNAME AUTHOR ALLOWED\_DAYS

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

1 java Mr.Patil 10

2 UB Mr.Sharma 15

3 CPP Mr.Surve 15

SQL> update library set allowed\_days=15 where bno=1;

1 row updated.

SQL> select \* from library;

BNO BNAME AUTHOR ALLOWED\_DAYS

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

1 java Mr.Patil 15

2 UB Mr.Sharma 15

3 CPP Mr.Surve 15

SQL> select \* from library\_audit;

BNO O\_DAYS N\_DAYS

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

1 10 15

SQL> delete from library where bno=1;

1 row deleted.

SQL> select \* from library\_audit;

BNO O\_DAYS N\_DAYS

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

1 10 15

15