**Roll no -63**

**Name –Rutuja Ashok Sathe**

**Practical Assignment -7**

**Write a database trigger on Library table. The System should keep track of the records that are being updated or deleted. The old value of updated or deleted records should be added in Library\_Audit table.**

SQL> create table libraryone(bookno number(5),bookname

2 varchar2(20),author varchar2(20));

Table created.

SQL> Insert into librarynew values (1,’C’,’rutuja’);

1 row created.

SQL> Insert into librarynew values (2,’C++’,’Nikita’);

1 row created.

SQL> Insert into librarynew values (3,’PHP’,’Vedant’);

1 row created.

SQL> Select \* from librarynew;

BOOKNO BOOKNAME AUTHOR

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1 C rutuja

2 C++ Nikita

3 PHP Vedant

SQL> Drop table audit\_new;

Table dropped.

SQL> create table audit\_new (bookno number(5),bookname

2 varchar2(20),author varchar2(20),updationstatus varchar(20));

Table created.

create or replace trigger t1new after update or delete on

librarynew

for each row

declare

op varchar(10);

begin

if updating then

op:='update';

end if;

if deleting then

op:='delete';

end if;

insert into audit\_new values

(:old.bookno,:old.bookname,:old.author,op);

end;

/

SQL> Select \* from librarynew;

BOOKNO BOOKNAME AUTHOR

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1 C rutuja

2 C++ Nikita

3 PHP Vedant

SQL> delete from librarynew where bookno = 2;

1 row deleted.

SQL> select \* from audit\_new;

no rows selected

SQL> Select \* from librarynew;

BOOKNO BOOKNAME AUTHOR

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1 C rutuja

3 PHP Vedant

SQL> Create table clientmstr(emp\_no int, emp\_name varchar(20));

Create table clientmstr(emp\_no int, emp\_name varchar(20))

\*

ERROR at line 1:

ORA-00955: name is already used by an existing object

Insert into clientmstr values (1,’abc’);

Insert into clientmstr values (2,’pqr’);

Insert into clientmstr values (3,’xyz’);

create table audit\_table (emp\_no number(5), op varchar(10));

create or replace trigger t1 after update or delete on clientmstr

for each row

declare

op varchar(10);

begin

if updating then

op:='update';

end if;

if deleting then

op:='delete';

end if;

insert into audit\_table values (:old.emp\_no,op);

end;

/

update clientmstr set emp\_name = 'lmn'where emp\_no = 1;

select \* from audit\_table;

delete from clientmstr where emp\_no = 2;

select \* from audit\_table;