Practical 8

**Audit\_insert.sql:-**

create or replace trigger Audit\_insert

before delete or insert on Audit\_t

begin

if rtrim (upper(to\_char(sysdate,'day')))='WEDNESDAY' then

raise\_application\_error ( -200000,'cant delete');

end if;

end;

/

**Audit\_update.sql:-**

create or replace trigger Audit\_update

before delete or update on Audit\_t

begin

if rtrim (upper(to\_char(sysdate,'day')))='WEDNESDAY' then

raise\_application\_error ( -200000,'cant delete');

end if;

end;

/

**Insert.sql:-**

CREATE OR REPLACE TRIGGER insertmaster

AFTER INSERT ON clientmaster

FOR EACH ROW

BEGIN

INSERT INTO insertbackup (srno, name)

VALUES (:NEW.srno, :NEW.name);

END;

/

**Update.sql:-**

create or replace trigger updatemaster

before update or delete on clientmaster

for each row

BEGIN

insert into Audit\_t (srno, name) values (:old.srno, :old.name);

END;

/

**OUTPUT:-**

SQL\*Plus: Release 21.0.0.0.0 - Production on Wed Sep 10 22:49:12 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: Tue Sep 09 2025 12:08:29 +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 clientmaster(srno int, name varchar(20));

Table created.

SQL> create table Audit\_t as select \* from clientmaster;

Table created.

SQL> insert into clientmaster (srno,name) values (101,'Dev');

1 row created.

SQL> insert into clientmaster (srno,name) values (102,'Khushi');

1 row created.

SQL> insert into clientmaster (srno,name) values (102,'Raj');

1 row created.

SQL> @C:\Users\Projectlab\Desktop\sqlplus\trigger\update.sql

Trigger created.

SQL> select \* from clientmaster;

SRNO NAME

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

101 Dev

102 Khushi

102 Raj

SQL> update clientmaster set srno = 103 where name = 'Raj';

1 row updated.

SQL> select \* from clientmaster;

SRNO NAME

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

101 Dev

102 khushi

103 Raj

SQL> select \* from Audit\_t;

SRNO NAME

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

102 Raj

SQL> delete from clientmaster where srno = 102;

1 row deleted.

SQL> select \* from Audit\_t;

SRNO NAME

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

102 Raj

102 Khushi

SQL> commit;

Commit complete.

SQL> @C:\Users\Projectlab\Desktop\sqlplus\trigger\update.sql

Trigger created.

SQL> select \* from clientmaster;

SRNO NAME

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

101 Dev

103 Raj

SQL> insert into cilentmaster (srno,name) values (103,'Khushi');

insert into cilentmaster (srno,name) values (103,'Khushi')

\*

ERROR at line 1:

ORA-00942: table or view does not exist

SQL> select \* from Audit\_t;

SRNO NAME

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

102 Raj

102 Khushi

SQL> create table insertbackup as select \* from clientmaster;

Table created.

SQL> @C:\Users\Projectlab\Desktop\sqlplus\trigger\insert.sql

Trigger created.

SQL> select \* from insertbackup;

SRNO NAME

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

101 Dev

103 Raj

SQL> insert into clientmaster values(104,'Vir');

1 row created.

SQL> select \* from Audit\_t;

SRNO NAME

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

102 Raj

102 Khushi

SQL> select \* from clientmaster;

SRNO NAME

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

101 Dev

103 Raj

104 Vir

SQL> @C:\Users\Projectlab\Desktop\sqlplus\trigger\Audit\_insert.sql

Trigger created.

SQL> @C:\Users\Projectlab\Desktop\sqlplus\trigger\Audit\_update.sql

Trigger created.

SQL> select \* from clientmaster;

SRNO NAME

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

101 Dev

103 Raj

104 Vir

SQL> select \* from Audit\_t;

SRNO NAME

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

102 Raj

102 khushi

SQL> select \* from insertbackup;

SRNO NAME

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

101Dev

103 Raj

104 Vir

SQL> commit;

Commit complete.