TRIGGER 2

Create a transparent audit system for a table clientmaster. The system has to keep track of

records that have been removed or modified and when they have been removed or modified. Table

details are given below:

AuditClient: name, bal_due, operation, Op_date

Clientmaster: c_no, name, address, bal_due

```
SQL> create table clientmaster(c_no int primary key , name varchar(20), address varchar(20), bal_due int );

Table created.

SQL> create table auditclient( name varchar(20), bal_due int , operation varchar(20), op_date DATE);

Table created.
```

```
SQL> insert into clientmaster values(1,'susan','aghj',24000);

1 row created.

SQL> update clientmaster set bal_due =20000;

1 row updated.
```

```
SQL> ed
Wrote file afiedt.buf

  1  create or replace trigger tr
  2  after update or delete  on clientmaster
  3  for each row
  4  begin
  5  if updating then
  6  insert into auditclient values(:old.name,:old.bal_due,'updates',sysdate);
  7  else
  8   insert into auditclient values(:old.name,:old.bal_due,'delete',sysdate);
  9  end if;
 10* end;
 11  /

Trigger created.
```

```
SQL> update clientmaster set bal_due =30000;

1 row updated.

SQL> select * from auditclient;

NAME                      BAL_DUE OPERATION              OP_DATE
-------------------- ---------- -------------------- ---------
susan                       20000 updates              08-FEB-23
```

Trigger

create or replace trigger tr

after update or delete on clientmaster

for each row

begin

 if updating then

insert into auditclient values(:old.name,:old.bal_due,'updates',sysdate);

else

 insert into auditclient values(:old.name,:old.bal_due,'delete',sysdate);

  end if;

end;