

CAB BOOKING

TRIGGERS



April 16, 2019

DBMS PL/SQL

**Driver Triggers:**

1. 'Driver' removal will require removing his record from 'driver\_cab' table first.

SQL> create or replace trigger rem\_driver

before delete on driver

for each row

begin

delete from driver\_cab where driver\_cab.driver\_id=:old.driver\_id;

end;

/

2. Getting driver id while registering the driver.

SQL> create or replace trigger bef\_reg\_driver

before insert on driver

for each row

begin

select drivid.NEXTVAL into :new.driver\_id

from dual;

end;

/

**Cab\_ride Triggers:**

3. Generating payment id using payid sequence.

SQL> create or replace trigger pay\_tri

before insert on cab\_ride

for each row

begin

select payid.NEXTVAL into :new.payment\_id from dual;

end;

/

4. Inserting into payment\_type table after booking of cab.

SQL> create or replace trigger post\_cab

after insert on cab\_ride

for each row

begin

insert into payment\_type values(:new.payment\_id,'&type\_name');

end;

/

5. for Deleting a record from cab\_ride table , cab\_ride\_history should be updated and data should be removed from payment\_type table.

SQL> create or replace trigger rem\_cab\_ride

before delete on cab\_ride

for each row

declare

cbid cab\_ride.cab\_id%type;

cid cab\_ride.cust\_id%type;

s cab\_ride.ride\_start\_time%type;

e cab\_ride.ride\_end\_time%type;

j cab\_ride.jfrom%type;

t cab\_ride.jto%type;

c cab\_ride.cancelled%type;

pid cab\_ride.payment\_id%type;

charges cab\_ride.charges%type;

begin

cbid := :old.cab\_id;

cid := :old.cust\_id;

s := :old.ride\_start\_time;

e := :old.ride\_end\_time;

j := :old.jfrom;

t := :old.jto;

c := :old.cancelled;

pid := :old.payment\_id;

charges := :old.charges;

reg\_cab\_ride\_history(cbid,cid,s,e,j,t,c,pid,charges);

delete from payment\_type where payment\_id = pid;

end;

/

**Customer Triggers:**

6. Generating customer id using cusid sequence.

SQL> create or replace trigger cus\_tri

before insert on customer

for each row

begin

select cusid.NEXTVAL into :new.cust\_id

from dual;

end;

/

7. Customer removal will require removing his/her record from 'cab\_ride' table first .

SQL> create or replace trigger rem\_customer

before delete on customer

for each row

begin

delete from cab\_ride where cab\_ride.cust\_id = :old.cust\_id;

end;

/

**Cab Triggers:**

8. Getting cab id while registering the cab.

SQL> create or replace trigger bef\_reg\_cab

before insert on cab

for each row

begin

select cabid.NEXTVAL into :new.cab\_id

from dual;

end;

/

9. Removing cab from DB will need to first delete its record from Driver\_cab Table.

SQL> create or replace trigger rem\_cab

before delete on cab

for each row

begin

delete from driver\_cab where driver\_cab.cab\_id=:old.cab\_id;

end; /

**Owner Triggers:**

10. Getting owner id while registering the owner

SQL> create or replace trigger bef\_reg\_owner before insert on owner

for each row

begin

select ownid.NEXTVAL into :new.owner\_id

from dual;

end; /

11. Removing an owner from DB will need to first delete its record from cab Table

SQL> create or replace trigger rem\_owner

before delete on owner

for each row

begin

delete from cab where cab.owner\_id=:old.owner\_id;

end;

/

**Car\_model Triggers:**

12. Removing car model from DB will need to first delete its record from cab Table

SQL> create or replace trigger rem\_car\_model

before delete on car\_model

for each row

begin

delete from cab where cab.model\_name=:old.model\_name;

end; /