

## Function

### 1) To find screen id for a movie show in a particular theatre.

create function f1(thid in shows.th\_id%type,sdt in shows.sdatetime%type,mov in shows.mov\_name%type) return number

is

sid number(2);

begin

select screen\_id into sid from shows where sdatetime=sdt and th\_id=thid and mov\_name=mov;

return sid;

end;

/

--calling program

declare

m shows.mov\_name%type;

th shows.th\_id%type;

sdt1 shows.sdatetime%type;

scid shows.screen\_id%type;

begin

m:='Tu Jhuthi Main Makkar';

th:=100;

sdt1:=to\_date('20-Apr-2023 12:00:00 pm','dd-mon-yyyy hh:mi:ss pm');

scid:=f1(th,sdt1,m);

dbms\_output.put\_line(scid);

end;

/

## Output:

10

# Procedure

**1) Procedure to find movie show date and time for a particular movie at a particular theatre location.**

```
create procedure p1(thid in shows.th_id%type,mov in shows.mov_name%type)
is
    sdatetime shows.sdatetime%type;
    cursor c1 is select to_char(sdatetime,'dd-mon-yyyy hh:mi:ss am') as sdatetime from shows
where mov_name=mov and th_id=thid;
    r1 c1%rowtype;
    type t1 is table of r1%type;
    l1 t1;
begin
    open c1;
    fetch c1 bulk collect into l1;
    close c1;
    dbms_output.put_line('Show date and time for movie '||mov||' are');
    for i in 1..l1.count
        loop
            dbms_output.put_line(l1(i).sdatetime);
        end loop;
end;
/

declare
    m shows.mov_name%type;
    th shows.th_id%type;
    sdt1 shows.sdatetime%type;
begin
    m:='Tu Jhuthi Main Makkar';
```

```

        th:=100;

        p1(th,m);

end;

/

```

## **Output:**

Show date and time for movie Tu Jhuthi Main Makkar are  
 20-apr-2023 12:00:00 pm  
 21-apr-2023 09:30:00 pm  
 20-apr-2023 05:00:00 pm

## **2) Procedure for showing seat details for a particular movie show on a given selected date and time.**

--for silver seats

```

create procedure p2(thid in silver_seat.th_id%type,sdt in silver_seat.sdatetime%type,sid in
silver_seat.screen_id%type)

```

is

```

cursor c1 is select * from silver_seat where sdatetime=sdt and th_id=thid and screen_id=sid;

```

```

        r1 c1%rowtype;

```

```

        type t1 is table of r1%type;

```

```

        l1 t1;

```

```

        p silver_price.price%type;

```

```

begin

```

```

        select price into p from silver_price where sdatetime=sdt and th_id=thid and
screen_id=sid;

```

```

        open c1;

```

```

        fetch c1 bulk collect into l1;

```

```

        close c1;

```

```

        dbms_output.put_line('Screen Id: ' || sid);

```

```

        dbms_output.put_line('Silver Seats details');

        dbms_output.put_line('Price: ' || p);

    for i in 1..l1.count
        loop
            dbms_output.put_line('Seat number: ' || l1(i).silver_seatnum || ' Screen: ' || l1(i).screen_id || ' Theatre: ' || l1(i).th_id || ' Status: ' || l1(i).avail);
        end loop;
    end;

/

--for gold seats
create procedure p3(thid in gold_seat.th_id%type,sdt in gold_seat.sdatetime%type,sid in gold_seat.screen_id%type)
is
    cursor c1 is select * from gold_seat where sdatetime=sdt and th_id=thid and screen_id=sid;

    r1 c1%rowtype;
    type t1 is table of r1%type;
    l1 t1;
    p gold_price.price%type;
begin
    select price into p from gold_price where sdatetime=sdt and th_id=thid and screen_id=sid;
    open c1;
    fetch c1 bulk collect into l1;
    close c1;
    dbms_output.put_line('Screen Id: ' || sid);
    dbms_output.put_line('Gold Seats details');
    dbms_output.put_line('Price: ' || p);

    for i in 1..l1.count
        loop

```

```
        dbms_output.put_line('Seat number: ' || l1(i).gold_seatnum || ' Screen: ' || l1(i).screen_id || ' Theatre: ' || l1(i).th_id || ' Status: ' || l1(i).avail);
```

```
    end loop;
```

```
end;
```

```
/
```

--calling program

```
declare
```

```
    m shows.mov_name%type;
```

```
    th shows.th_id%type;
```

```
    sdt1 shows.sdatetime%type;
```

```
    scid shows.screen_id%type;
```

```
begin
```

```
    m:='Tu Jhuthi Main Makkar';
```

```
    th:=100;
```

```
    sdt1:=to_date('20-Apr-2023 12:00:00 pm','dd-mon-yyyy hh:mi:ss pm');
```

```
    scid:=f1(th,sdt1,m);
```

```
    p2(th,sdt1,scid);
```

```
    dbms_output.put_line('-----');
```

```
    p3(th,sdt1,scid);
```

```
end;
```

```
/
```

## **Output:**

Screen Id: 10

Silver Seats details

Price: 50

Seat number: A1 Screen: 10 Theatre: 100 Status: 1

Seat number: A2 Screen: 10 Theatre: 100 Status: 1

Seat number: A3 Screen: 10 Theatre: 100 Status: 1

Seat number: A4 Screen: 10 Theatre: 100 Status: 1

Seat number: A5 Screen: 10 Theatre: 100 Status: 1

Seat number: A6 Screen: 10 Theatre: 100 Status: 1

Seat number: A7 Screen: 10 Theatre: 100 Status: 1

-----

Screen Id: 10

Gold Seats details

Price: 100

Seat number: B1 Screen: 10 Theatre: 100 Status: 1

Seat number: B2 Screen: 10 Theatre: 100 Status: 1

Seat number: B3 Screen: 10 Theatre: 100 Status: 1

Seat number: B4 Screen: 10 Theatre: 100 Status: 1

Seat number: B5 Screen: 10 Theatre: 100 Status: 1

Seat number: B6 Screen: 10 Theatre: 100 Status: 1

Seat number: B7 Screen: 10 Theatre: 100 Status: 1

Seat number: B8 Screen: 10 Theatre: 100 Status: 1

## Triggers

- 1) **Trigger to update seat availability whenever it is booked for a show at a given date and time for a particular theatre.**

--for silver ticket

create or replace trigger t1

after insert on silverticket for each row

begin

update silver\_seat set avail=0 where sdatetime=:new.sdatetime and screen\_id=:new.screen\_id and th\_id=:new.th\_id and silver\_seatnum=:new.silver\_seatnum;

end;

/

--for gold ticket

create or replace trigger t2

after insert on goldticket for each row

begin

update gold\_seat set avail=0 where sdatetime=:new.sdatetime and screen\_id=:new.screen\_id and th\_id=:new.th\_id and gold\_seatnum=:new.gold\_seatnum;

end;

/

--\*\*\*\*\*

insert into silverticket values(1,50,sysdate,'online',to\_date('20-Apr-2023 12:00:00 pm','dd-mon-yyyy hh:mi:ss pm'), 10, 100,'A1',2);

select \* from silverticket;

select silver\_seatnum,screen\_id,th\_id,to\_char(sdatetime,'dd-mon-yyyy hh:mi:ss pm') as sdatetime,avail from silver\_seat where screen\_id=10;

insert into goldticket values(2,50,sysdate,'online',to\_date('20-Apr-2023 12:00:00 pm','dd-mon-yyyy hh:mi:ss pm'), 10, 100,'B1',2);

select \* from goldticket;

select gold\_seatnum,screen\_id,th\_id,to\_char(sdatetime,'dd-mon-yyyy hh:mi:ss pm') as  
sdatetime,avail from gold\_seat where screen\_id=10;

## Output:

1 row(s) inserted

TICKET_ID	NPRICE	BK_DT_TIME	BK_TYPE	SDATETIME	SCREEN_ID	TH_ID	SILVER_SEATNUM	CID
1	50	19-APR-23	online	20-APR-23	10	100	A1	2

SILVER_SEATNUM	SCREEN_ID	TH_ID	SDATETIME	AVAIL
A1	10	100	20-04-2023 12:00 pm	0
A2	10	100	20-04-2023 12:00 pm	1
A3	10	100	20-04-2023 12:00 pm	1
A4	10	100	20-04-2023 12:00 pm	1
A5	10	100	20-04-2023 12:00 pm	1
A6	10	100	20-04-2023 12:00 pm	1
A7	10	100	20-04-2023 12:00 pm	1

1 row(s) inserted

TICKET_ID	NPRICE	BK_DT_TIME	BK_TYPE	SDATETIME	SCREEN_ID	TH_ID	GOLD_SEATNUM	CID
2	100	19-APR-23	online	20-APR-23	10	100	B1	2

GOLD_SEATNUM	SCREEN_ID	TH_ID	SDATETIME	AVAIL
B1	10	100	20-04-2023 12:00 pm	0
B2	10	100	20-04-2023 12:00 pm	1
B3	10	100	20-04-2023 12:00 pm	1
B4	10	100	20-04-2023 12:00 pm	1
B5	10	100	20-04-2023 12:00 pm	1
B6	10	100	20-04-2023 12:00 pm	1
B7	10	100	20-04-2023 12:00 pm	1



**2) Trigger to insert allover shows details in box office and website table whenever it is inserted in shows table.**

create or replace trigger t3 after insert or update on shows for each row

begin

insert into box\_office values(:new.mov\_name,:new.sdatetime,:new.screen\_id,:new.th\_id);

end;

/

create or replace trigger t4 after insert or update on shows for each row

begin

insert into website values(:new.mov\_name,:new.sdatetime,:new.screen\_id,:new.th\_id);

end;

/

--\*\*\*\*\*

insert into shows values('Tu Jhuthi Main Makkar', to\_date('21-Apr-2023 9:00:00 am','dd-mon-yyyy hh:mi:ss pm'), '2.5 hrs', 10, 101);

select mov\_name,to\_char(sdatetime,'dd-mon-yyyy hh:mi:ss pm') as  
sdatetime,runtime,screen\_id,th\_id from shows;

select mov\_name,to\_char(sdatetime,'dd-mon-yyyy hh:mi:ss pm') as sdatetime,screen\_id,th\_id from  
box\_office;

select mov\_name,to\_char(sdatetime,'dd-mon-yyyy hh:mi:ss pm') as sdatetime,screen\_id,th\_id from  
website;

## **Output:**

1 row(s) inserted.

MOV_NAME	SDATETIME	RUNTIME	SCREEN_ID	TH_ID
Tu Jhuthi Main Makkar	20-04-2023 12:00 pm	2.5 hrs	10	100

MOV_NAME	SDATETIME	SCREEN_ID	TH_ID
Tu Jhuthi Main Makkar	20-04-2023 12:00 pm	10	100

MOV_NAME	SDATETIME	SCREEN_ID	TH_ID
Tu Jhuthi Main Makkar	20-04-2023 12:00 pm	10	100

### 3) Trigger to check if same seatnum is not being added in silverticket and goldticket table for already booked seat number.

#### --for silver seats

create trigger t5 before insert on silverticket for each row

declare

t\_count number:=0;

begin

select count(1) into t\_count from silverticket where silver\_seatnum=:new.silver\_seatnum and  
sdatetime=:new.sdatetime and th\_id=:new.th\_id and screen\_id=:new.screen\_id;

if t\_count>0

then

raise\_application\_error(-20202,'Silver seatnum '||:new.silver\_seatnum||' already booked');

end if;

end;

/

#### --for gold seats

create trigger t6 before insert on goldticket for each row

declare

```

g_count number:=0;

begin

select count(1) into g_count from goldticket where gold_seatnum=:new.gold_seatnum and
sdatetime=:new.sdatetime and th_id=:new.th_id and screen_id=:new.screen_id;

if g_count>0

then

raise_application_error(-20202,'Gold seatnum '||:new.gold_seatnum||' already booked');

end if;

end;

/

--*****

insert into silverticket values(1,50,sysdate,'online',to_date('20-Apr-2023 12:00:00 pm','dd-mon-yyyy
hh:mi:ss pm'), 10, 100,'A1',2);

insert into goldticket values(2,100,sysdate,'online',to_date('20-Apr-2023 12:00:00 pm','dd-mon-yyyy
hh:mi:ss pm'), 10, 100,'B1',2);

```

## **Output:**

ORA-20202: Silver seatnum A1 already booked ORA-06512: at  
"SQL\_OUKXPLQNL DYJARMZZXAZUFRDU.T5", line 7 ORA-06512: at "SYS.DBMS\_SQL", line  
1721

ORA-20202: Gold seatnum B1 already booked ORA-06512: at  
"SQL\_OUKXPLQNL DYJARMZZXAZUFRDU.T6", line 7 ORA-06512: at "SYS.DBMS\_SQL", line  
1721

**4) Check that the seat numbers should not exceed specified capacity of a screen in a theatre.**

--for silver seats

```
create trigger t7 before insert on silver_seat for each row
declare
g_count number:=0;
n screen.silver_seats%type;
begin
select silver_seats into n from screen where th_id=:new.th_id and screen_id=:new.screen_id;
select count(*) into g_count from silver_seat where sdatetime=:new.sdatetime and
th_id=:new.th_id and screen_id=:new.screen_id;
if g_count>=n
then
raise_application_error(-20202,'Maximum Silver seats capacity exceeded.');
```

```
end if;
```

```
end;
```

```
/
```

--for gold seats

```
create trigger t8 before insert on gold_seat for each row
```

```
declare
```

```
g_count number:=0;
```

```
n screen.gold_seats%type;
```

```
begin
```

```
select gold_seats into n from screen where th_id=:new.th_id and screen_id=:new.screen_id;
```

```
select count(*) into g_count from gold_seat where sdatetime=:new.sdatetime and th_id=:new.th_id
and screen_id=:new.screen_id;
```

```
if g_count>=n
```

```
then
```

```
raise_application_error(-20202,'Maximum gold seats capacity exceeded.');
```

```
end if;
```

```
end;
```

/

--\*\*\*\*\*

```
insert into silver_seat values('A8', 10, 100, to_date('20-Apr-2023 12:00:00 pm','dd-mon-yyyy
hh:mi:ss pm'),1);
```

```
insert into gold_seat values('B9', 10, 100,to_date('20-Apr-2023 12:00:00 pm','dd-mon-yyyy hh:mi:ss
pm'),1);
```

```
insert into gold_seat values('B10', 10, 100,to_date('20-Apr-2023 12:00:00 pm','dd-mon-yyyy hh:mi:ss
pm'),1);
```

```
insert into gold_seat values('B10', 10, 100,to_date('20-Apr-2023 12:00:00 pm','dd-mon-yyyy hh:mi:ss
pm'),1);
```

## **Output:**

ORA-20202: Maximum Silver seats capacity exceeded. ORA-06512: at  
"SQL\_OUKXPLQNLDYJARMZZXAZUFRDU.T7", line 9 ORA-06512: at "SYS.DBMS\_SQL", line  
1721

1 row(s) inserted.

1 row(s) inserted.

ORA-20202: Maximum gold seats capacity exceeded. ORA-06512: at  
"SQL\_OUKXPLQNLDYJARMZZXAZUFRDU.T8", line 9 ORA-06512: at "SYS.DBMS\_SQL", line  
1721

**5) Trigger to check that ticket id for a show cannot be same for silver and gold ticket.**

create trigger t9 before insert on silverticket for each row

declare

g\_count number:=0;

begin

select count(1) into g\_count from goldticket where ticket\_id=:new.ticket\_id and  
sdatetime=:new.sdatetime and th\_id=:new.th\_id and screen\_id=:new.screen\_id;

if g\_count>0

then

raise\_application\_error(-20202,'Silver ticket id and gold ticket id cannot be same for a movie show');

end if;

end;

/

create trigger t10 before insert on goldticket for each row

declare

g\_count number:=0;

begin

select count(1) into g\_count from silverticket where ticket\_id=:new.ticket\_id and  
sdatetime=:new.sdatetime and th\_id=:new.th\_id and screen\_id=:new.screen\_id;

if g\_count>0

then

raise\_application\_error(-20202,'Silver ticket id and gold ticket id cannot be same for a movie show');

end if;

end;

/

--\*\*\*\*\*

```
insert into goldticket values(3,100,sysdate,'online',to_date('20-Apr-2023 12:00:00 pm','dd-mon-yyyy
hh:mi:ss pm'), 10, 100,'B2',3);
```

```
insert into silverticket values(3,100,sysdate,'online',to_date('20-Apr-2023 12:00:00 pm','dd-mon-
yyyy hh:mi:ss pm'), 10, 100,'A2',1);
```

```
insert into goldticket values(1,100,sysdate,'online',to_date('20-Apr-2023 12:00:00 pm','dd-mon-yyyy
hh:mi:ss pm'), 10, 100,'B3',3);
```

## **Output:**

1 row(s) inserted.

```
ORA-20202: Silver ticket id and gold ticket id cannot be same for a movie
show ORA-06512: at "SQL_OUKXPLQNLDYJARMZZXAZUFRDU.T9", line 7 ORA-06512: at
"SYS.DBMS_SQL", line 1721
```

```
ORA-20202: Silver ticket id and gold ticket id cannot be same for a movie show
ORA-06512: at "SQL_OUKXPLQNLDYJARMZZXAZUFRDU.T10", line 7 ORA-06512: at
"SYS.DBMS_SQL", line 1721
```

### **6) Trigger to insert adshown data in adtemp which store data of all ads for a particular date,theatre and movie.**

create or replace trigger AdRevenue

after insert or update

on AdsShown

for each row

declare

mname varchar2(100);

begin

```
select mov_name into mname from shows where th_id=:new.th_id and sdatetime = :new.sdatetime
and screen_id = :new.screen_id;
```

```
insert into Adtemp values(:new.th_id,:new.sdatetime,:new.ad_id , mname);
```

```
end AdRevenue;
```

```
/
```

```
-----  
-----
```

```
declare
```

```
cnt number;
```

```
amount AdvertisementDetails.per_show_price%type;
```

```
adrev AdvertisementRevenue.revenue%type;
```

```
cursor c1 is select * from Adtemp;
```

```
r1 c1%rowtype;
```

```
begin
```

```
for r1 in c1
```

```
loop
```

```
exit when c1%notfound;
```

```
select per_show_price into amount from AdvertisementDetails where th_id = r1.th_id and ad_id =  
r1.ad_id and mov_name = r1.mov_name;
```

```
select count(sdatetime) into cnt from Adtemp where th_id = r1.th_id and ad_id = r1.ad_id and  
mov_name = r1.mov_name and sdatetime = r1.sdatetime group by th_id , ad_id , mov_name ,  
sdatetime;
```

```
adrev := amount * cnt;
```

```
insert into AdvertisementRevenue values(r1.th_id , r1.sdatetime , r1.mov_name , r1.ad_id , adrev);
```

```
end loop;
```

```
end;
```

```
/
```



**7) Trigger and function which adds ticket revenue, movie revenue and website revenue whenever a ticket is booked.**

--for silver ticket

create or replace trigger bookedsilverticket

after insert or update

on silverticket

for each row

declare

mname varchar2(100);

mvshare number;

wbshare number;

mshare number;

wshare number;

ans boolean;

begin

select mov\_name into mname from shows where th\_id = :new.th\_id and screen\_id=:new.screen\_id  
and sdatetime = :new.sdatetime;

select mov\_share\_in\_per into mvshare from movie\_share where mov\_name = mname;

if :new.bk\_type = 'online' then

select webshare\_in\_per into wbshare from websitedetails where th\_id = :new.th\_id and mov\_name  
= mname and webname = :new.webname;

elsif :new.bk\_type = 'offline' then

wbshare := 0;

end if;

mshare := (mvshare/100) \* (:new.nprice);

wshare := (wbshare/100) \* (:new.nprice);

ans := TicketRevCheck(:new.th\_id , :new.sdatetime , mname , :new.nprice , mshare , wshare ,  
:new.webname);

if ans then

dbms\_output.put\_line('Successful Ticket Data Entry');

else

dbms\_output.put\_line('Failed Ticket Data Entry...Please Keep Note of it');

```
end if;  
end bookedsilverticket;  
/
```

```
--for gold ticket
```

```
create or replace trigger bookedgoldticket
```

```
after insert or update
```

```
on goldticket
```

```
for each row
```

```
declare
```

```
mname varchar2(100);
```

```
mvshare number;
```

```
wbshare number;
```

```
mshare number;
```

```
wshare number;
```

```
ans boolean;
```

```
begin
```

```
select mov_name into mname from shows where th_id = :new.th_id and screen_id=:new.screen_id  
and sdatetime = :new.sdatetime;
```

```
select mov_share_in_per into mvshare from movie_share where mov_name = mname;
```

```
if :new.bk_type = 'online' then
```

```
select webshare_in_per into wbshare from websitedetails where th_id = :new.th_id and mov_name  
= mname and webname = :new.webname;
```

```
elsif :new.bk_type = 'offline' then
```

```
wbshare := 0;
```

```
end if;
```

```
mshare := (mvshare/100) * :new.nprice;
```

```
wshare := (wbshare/100) * :new.nprice;
```

```
ans := TicketRevCheck(:new.th_id , :new.sdatetime , mname , :new.nprice , mshare , wshare ,  
:new.webname);
```

```
if ans then
```

```
dbms_output.put_line('Successful Ticket Data Entry');
```

```
else
```

```
dbms_output.put_line('Failed Ticket Data Entry...Please Keep Note of it');
```

```
end if;
```

```
end bookedgoldticket;
```

```
/
```

```
--function
```

```
create or replace function TicketRevCheck(thid in theatre.th_id%type , sdt in shows.sdatetime%type  
, mname in movie.mov_name%type , tprice in silver_price.price%type , movsh in number, wbsh in  
number , wbname in silverticket.webname%type) return boolean
```

```
is
```

```
trev TicketRevenue.ticketrevenue%type;
```

```
begin
```

```
trev := tprice - movsh - wbsh;
```

```
MERGE INTO TicketRevenue
```

```
USING (SELECT th_id,mov_name,revenue_date
```

```
FROM TicketRevenue) tr
```

```
ON (thid = tr.th_id and mname = tr.mov_name and sdt = tr.revenue_date)
```

```
WHEN matched THEN
```

```
UPDATE SET ticketrevenue = ticketrevenue + trev
```

```
WHEN NOT matched THEN
```

```
INSERT VALUES(thid,mname,sdt,trev);
```

```
MERGE INTO MovieRevenue
```

```
USING (SELECT th_id,mov_name,revenue_date
```

```
FROM MovieRevenue) mr
```

```
ON (thid = mr.th_id and mname = mr.mov_name and sdt = mr.revenue_date)
```

```
WHEN matched THEN
```

```

    UPDATE SET movierevenue = movierevenue + movsh
WHEN NOT matched THEN

    INSERT VALUES(thid,mname,sdt,movsh);
MERGE INTO WebRevenue
USING (SELECT th_id,mov_name,revenue_date,wname
        FROM WebRevenue) wr
ON (thid = wr.th_id and mname = wr.mov_name and sdt = wr.revenue_date and wname =
wr.wname)
WHEN matched THEN

    UPDATE SET webrevenue = webrevenue + wbsh
WHEN NOT matched THEN

    INSERT VALUES(thid,mname,sdt,wname,wbsh);
return true;
end TicketRevCheck;
/

```

#### **8) Trigger and function to add concession revenue whenever a concession is ordered.**

```

create or replace trigger BookedConcessionData
after insert or update
on Concession
for each row
declare
qty number(10);
ans boolean;
begin
MERGE INTO ConcessionQuantity
USING (SELECT th_id,conc_name,revenue_date
        FROM ConcessionQuantity) cq

```

```
ON (:new.th_id = cq.th_id and :new.conc_name = cq.conc_name and :new.orderdttime =  
cq.revenuedate)
```

```
WHEN matched THEN
```

```
    UPDATE SET quantity = quantity + :new.quantity
```

```
    WHEN NOT matched THEN
```

```
    INSERT VALUES(:new.th_id,:new.conc_name,:new.orderdttime,:new.quantity);
```

```
ans := ConcessionRevCheck(:new.th_id ,:new.conc_name , :new.orderdttime , :new.quantity);
```

```
if ans then
```

```
    dbms_output.put_line('Successful Booked Concession Data Entry');
```

```
else
```

```
    dbms_output.put_line('Failed Booked Concession Data Entry...Please Keep Note of it');
```

```
end if;
```

```
end BookedConcessionData;
```

```
/
```

```
create or replace function ConcessionRevCheck (thid in number, concname in varchar2 , revdate in  
date , qty in number) return boolean
```

```
is
```

```
    p number(10);
```

```
    amount number(10);
```

```
begin
```

```
    select conc_price into p from ConcessionDetails where th_id=thid and conc_name = concname;
```

```
    amount := p * qty;
```

```
MERGE INTO ConcessionRevenue
```

```
USING (SELECT th_id,conc_name,revenuedate
```

```
        FROM ConcessionRevenue) cr
```

```
ON (thid = cr.th_id and concname = cr.conc_name and revdate = cr.revenuedate)
```

```
WHEN matched THEN
```

```
    UPDATE SET conc_rev = conc_rev + amount
```

WHEN NOT matched THEN

INSERT VALUES(thid,concname,revdate,amount);

end ConcessionRevCheck;

/