**Movies Case-Study**

a) For a given booking id (say 60001), calculate its total no. of seats and total fare

QUERY :

select sum(noofseats) as "Total No of Seats",sum(noofseats \* seatfare) as "Total Fare"

from bookingdetail bd join seattype st using(seattypeid)

where bookingid = '&booking\_id';

OUTPUT :

Enter value for booking\_id: 60001

old 4: where bookingid = '&booking\_id'

new 4: where bookingid = '60001'

Total No of Seats Total Fare

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

5 500

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*8

b) Given a seat type (say REGULAR), show the no. of times it's booked for a given date range

QUERY :

select count(seattypeid) as "no of time booked"

from booking join bookingdetail using(bookingid)

join seattype using(seattypeid)

where bookeddate between to\_date('13-FEB-2015','DD-MON-YYYY') and

to\_date('18-APR-2015','DD-MON-YYYY')

group by seattypeid

having lower(seattypeid ) = '&seat\_type';

OUTPUT :

Enter value for seat\_type: regular

old 7: having lower(seattypeid ) = '&seat\_type'

new 7: having lower(seattypeid ) = 'regular'

no of time booked

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

6

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

c) Show utilization of all halls for show date 15-Feb-2015 (no. of occupied seats vs. total seats)

QUERY :

select h.hallid,sum(bd.noofseats)||' VS. '||h.totalcapacity as "Utilisation(O vs T seats)"

from hall h join hallcapacity hc on h.hallid = hc.hallid

join bookingdetail bd on bd.seattypeid = hc.seattypeid

join booking b on b.bookingid = bd.bookingid

where b.showdate = '15-FEB-2015'

group by h.hallid,h.totalcapacity;

OUTPUT :

HALLID Utilisation(O vs T seats)

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

10 13 VS. 200

11 13 VS. 250

12 13 VS. 300

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

d) List the total earnings from all movies for year 2015.

QUERY :

select m.moviename,sum(noofseats \* seatfare) as "Total Earnings"

from seattype st join bookingdetail bd on bd.seattypeid = st.seattypeid

join booking b on b.bookingid = bd.bookingid

join shows s on b.showid = s.showid join movies m on s.movieid = m.movieid

where to\_char(b.showdate,'fmYYYY') = '2015'

group by rollup(moviename);

OUTPUT :

MOVIENAME Total Earnings

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

Cinderella 750

Dhoom-2 1000

Dilwale Dulhania

Le Jayenge 450

Oh My God 500

Point blank 1100

Sholay 1050

4850

6 rows selected.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

e) Show seat type-wise total booking (i.e. total no. of seats) and earnings for movie SHOLAY.

QUERY :

select bd.seattypeid,sum(bd.noofseats),sum(bd.noofseats \* s.seatfare) as "Earnings"

from seattype s join bookingdetail bd on s.seattypeid = bd.seattypeid

join booking b on bd.bookingid = b.bookingid join shows s on s.showid = b.showid

join movies m on m.movieid = s.movieid

where m.moviename = 'Sholay'

group by rollup(bd.seattypeid);

OUTPUT :

SEATTYPEID SUM(BD.NOOFSEATS) Earnings

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

Executive 6 600

Premium 2 300

Regular 3 150

11 1050

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

f) Create a view to display show details: Movie name, Hall id & description, Slot timing ('HH:MI AM/PM' format )and From date ('DD-MON' format). Order by movie name, from date, hall id.

QUERY :

create view showdetails\_view as

(select m.moviename,h.hallid,h.halldesc,

case s.slotno when 1 then '10:30 AM'

when 2 then '02:00 PM' when 3 then '05:00 PM'

when 4 then '08:00 PM' end as "Slot Timing",

to\_char(s.fromdate,'fmDD-MON') as "From Date"

from movies m join shows s on m.movieid = s.movieid

join hall h on h.hallid = s.hallid)

order by moviename,fromdate,hallid;

OUTPUT :

select \* from showdetails\_view;

MOVIENAME

HALLID HALLDESC

Slot Tim From Date

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

Cinderella

11 Hall-11

02:00 PM 24-APR

Cinderella

11 Hall-11

10:30 AM 24-APR

Dhoom-2

10 Hall-10

10:30 AM 10-APR

Dhoom-2

10 Hall-10

08:00 PM 10-APR

Dhoom-2

10 Hall-10

05:00 PM 10-APR

Dilwale Dulhania Le Jayenge

11 Hall-11

10:30 AM 17-APR

Oh My God

10 Hall-10

02:00 PM 17-APR

Point blank

10 Hall-10

02:00 PM 17-APR

Sholay

12 Hall-12

10:30 AM 17-APR

Sholay

12 Hall-12

05:00 PM 17-APR

10 rows selected.