Solutions

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

SQL> select bookingid, sum (noofseats) as total\_seat, sum(seatfare\*noofseats) as total\_fare from seattype join bookingdetail using(seattypeid) group by bookingid having bookingid = &booking ;

Enter value for booking: 60001

BOOKINGID TOTAL\_SEAT TOTAL\_FARE

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60001 5 500

OR

selectbookingid ,sum(noofseats) as total\_seat, sum(seatfare\*noofseats) as total\_fare from seattype join bookingdetail using(seattypeid) group by bookingid ;

BOOKINGID TOTAL\_SEAT TOTAL\_FARE

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60006 2 300

60011 4 600

60012 4 500

60004 4 500

60007 6 600

60008 1 150

60010 4 200

60009 3 300

60003 7 550

60001 5 500

60005 4 200

BOOKINGID TOTAL\_SEAT TOTAL\_FARE

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60002 6 450

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

select count(\*) as total\_seats from booking join bookingdetail using(bookingid)

joinseattype using(seattypeid) where (bookeddate between &startdate and &enddate) and seattypeid = &seat\_type ;

Enter value for startdate: '08-APR-15'

Enter value for enddate: '16-APR-15'

Enter value for seat\_type: 'Regular'

TOTAL\_SEATS

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3

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

select sum(sum(noofseats)) / sum(totalcapacity)\*100 as show\_utilisation from booking joinbookingdetail using(bookingid) join shows using(showid) join hall using(hallid) where showdate = '15-FEB-15' group by hallid, totalcapacity;

OUTPUT

SHOW\_UTILISATION

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2.36363636

1. List the total earnings from all movies for year 2015.

selectto\_char(showdate,'YYYY') as year ,sum(noofseats\*seatfare) from booking join bookingdetail using (bookingid)

joinseattype using (seattypeid)

group by to\_char(showdate ,'YYYY')

havingto\_char(showdate , 'YYYY') = '2015';

OUTPUT

YEAR TOTAL\_COST

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2015 4850

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

selectseattypeid ,sum(noofseats) as seat\_fiiled, sum(noofseats \* seatfare) as seat\_fare\_total from bookingdetail

join booking using(bookingid)

joinseattype using(seattypeid)

join shows using (showid)

join movies using (movieid)

wheremoviename = 'Sholay'

group by seattypeid;

OUTPUT

SEATTYPEID SEAT\_FIILED SEAT\_FARE\_TOTAL

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Executive 6 600

Regular 3 150

Premium 2 300

1. Create a view to display show details: Movie name, Hall id & description, Slot timing and From date ('DD-MON' format). Order by moviename, fromdate, hallid.

create view showdetails as (select moviename , hallid , case slotno

when 1 then '10:30 AM'

when 2 then '2:00 PM'

when 3 then '5:00 PM'

when 4 then '8:00 PM'

end as slot\_timming

, to\_char(fromdate ,'DD-MON') as from\_date, halldesc from shows join movies using(movieid) join hall using(hallid)

);

OUTPUT

View created