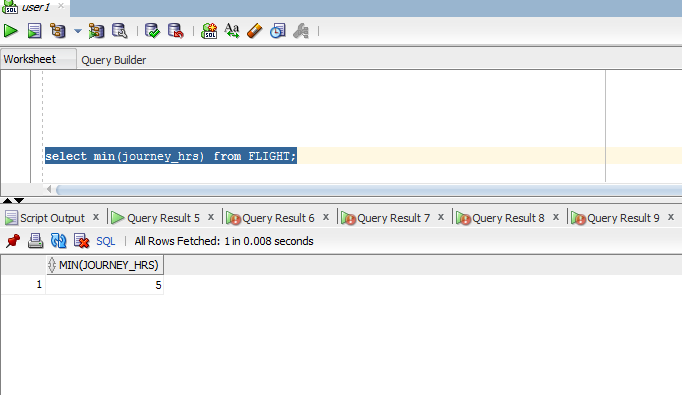
**PROBLEM SET**

1)      Display the minimum of Journey hours

Answer:-

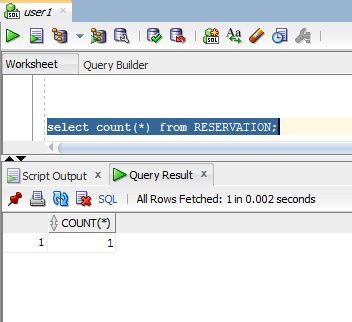
query :- select min(journey\_hrs) from FLIGHT;



2)      Count the number of passengers who reserved a ticket.

Answer:-

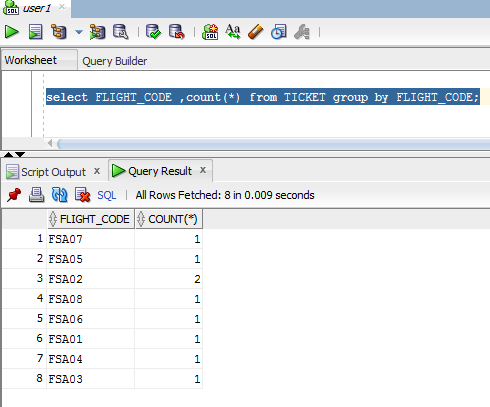
query:- select count(\*) from RESERVATION;



3)      Find the number of passengers for each flight.

Answer:-

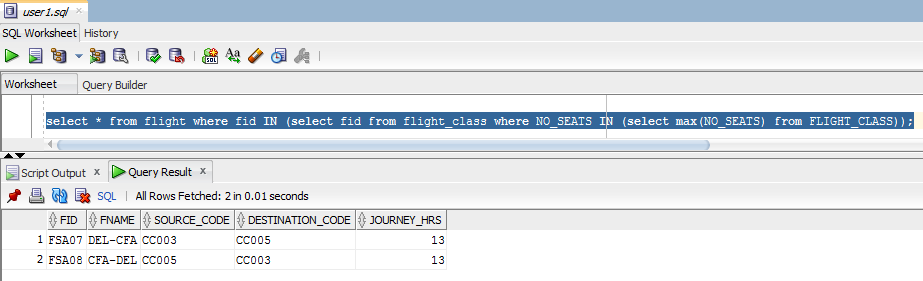
query:- select FLIGHT\_CODE ,count(\*) from TICKET group by FLIGHT\_CODE;



4)       Display the details of all the flight’s having maximum number of seats

Answer:-

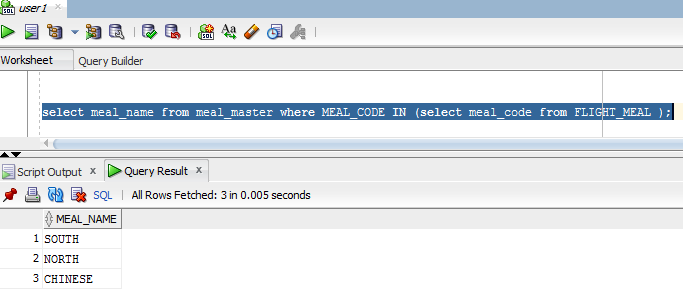
query:- select \* from flight where fid IN (select fid from flight\_class where NO\_SEATS IN (select max(NO\_SEATS) from FLIGHT\_CLASS));



5)      Display all the type of meals provided by Fly Safe Airways

Answer:-

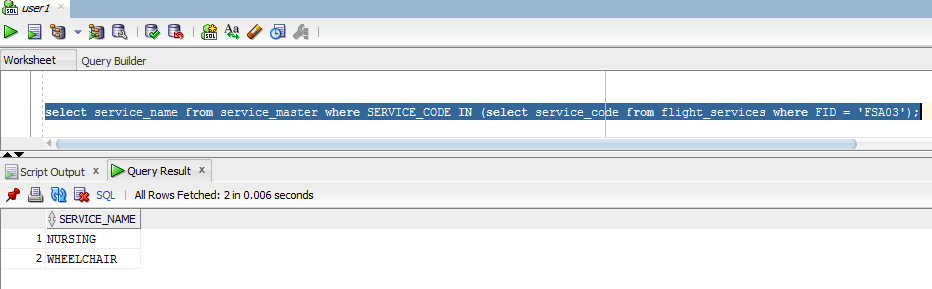
query:- select meal\_name from meal\_master where MEAL\_CODE IN (select meal\_code from FLIGHT\_MEAL );



6)      Display the service names available in Flight Id ‘FSA003’

Answer:-

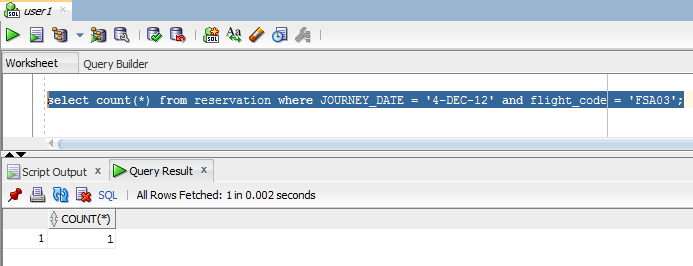
query:- select service\_name from service\_master where SERVICE\_CODE IN (select service\_code from flight\_services where FID = 'FSA03');



7)      Find the total number of passengers travelled in "FSA003" on 4 December 2012?

Answer:-

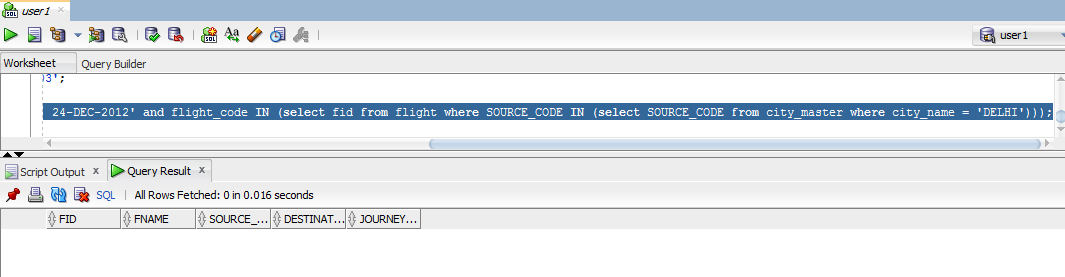
query:- select count(\*) from reservation where JOURNEY\_DATE = '4-DEC-12' and flight\_code = 'FSA03';



8)      Select all rows in Flight table whose Source Name is “DELHI” and Journey\_Date on 24-dec-2012.

Answer:-

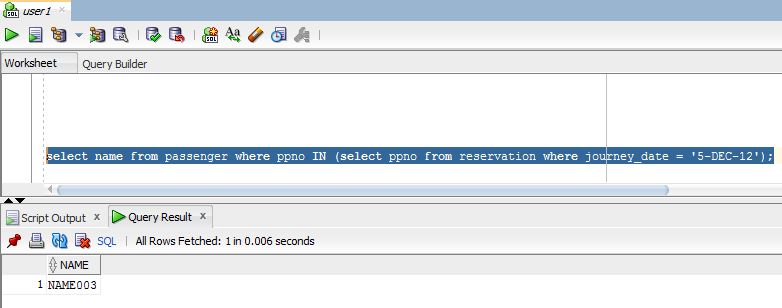
query:- select \* from flight where fid IN (select flight\_code from ticket where journey\_date = ' 24-DEC-2012' and flight\_code IN (select fid from flight where SOURCE\_CODE IN (select SOURCE\_CODE from city\_master where city\_name = 'DELHI')));



9)      Find the passenger names who travelled on 5th December,2012

Answer:-

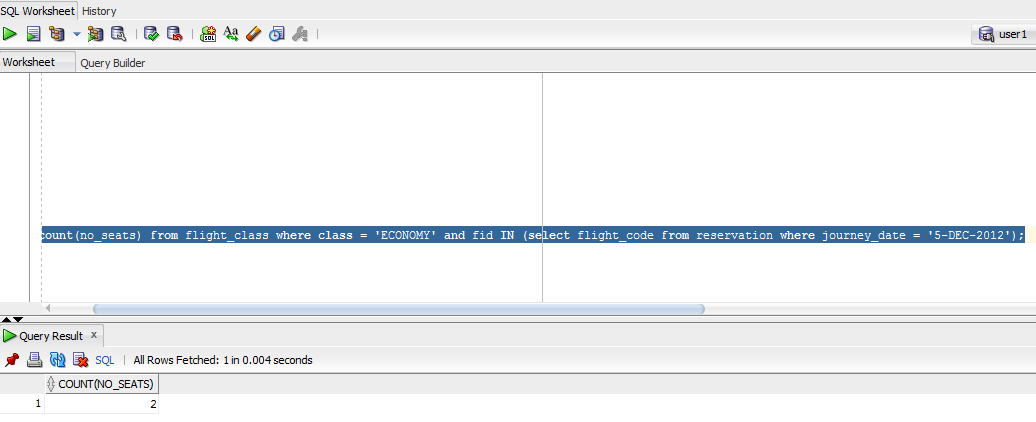
query:- select name from passenger where ppno IN (select ppno from reservation where journey\_date = '5-DEC-12');



10)  Display total number of seats reserved for the class “ECONOMY” of all flights on date 5th December,2012

Answer:-

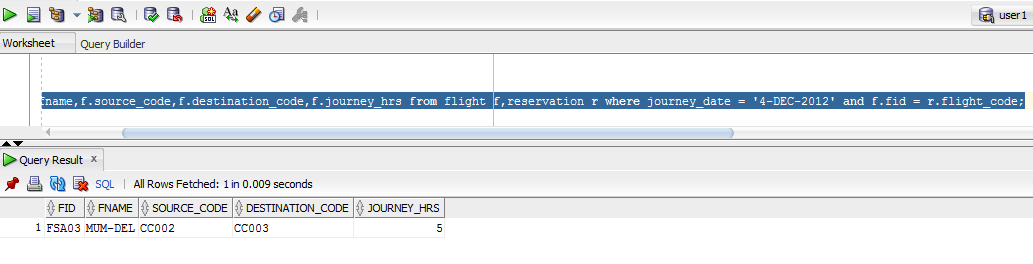
query:- select count(no\_seats) from flight\_class where class = 'ECONOMY' and fid IN (select flight\_code from reservation where journey\_date = '5-DEC-2012');



11)  Find the flight details of all the flights which travelled on 04-dec-2012

Answer:-

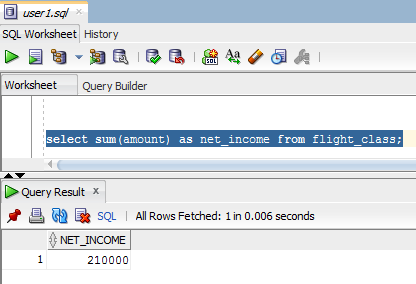
query:- select f.fid,f.fname,f.source\_code,f.destination\_code,f.journey\_hrs from flight f,reservation r where journey\_date = '4-DEC-2012' and f.fid = r.flight\_code;



12)  Display the net income obtained from each class type

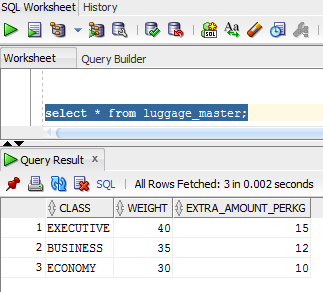
Answer:-

query:- select sum(amount) as net\_income from flight\_class;



13)  Display the amount charged for luggage of 78Kg for an executive class passenger

Answer:-

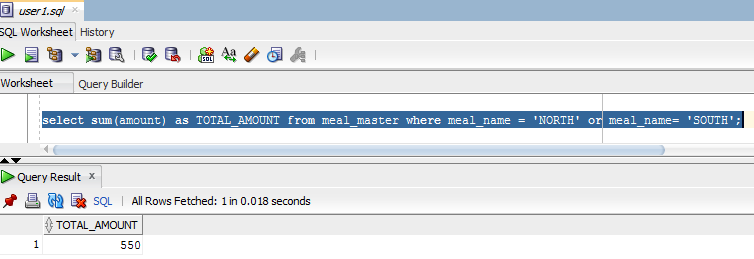


query:- select extra\_amount\_perkg from luggage\_master where weight = 78 and class = 'EXECUTIVE';

14)  Find the total amount charged for ‘north meals’ and ‘nursing service’?

Answer:-

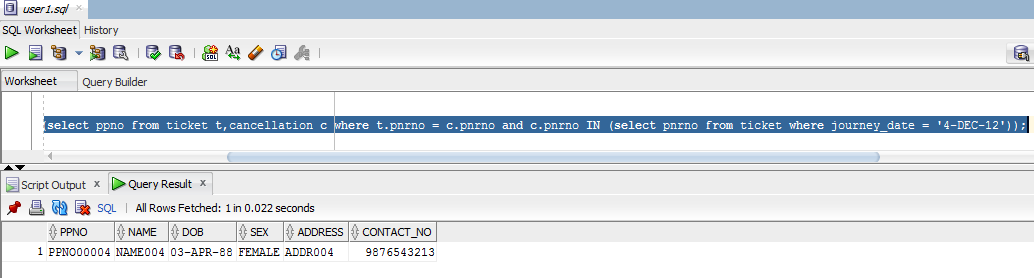
query:- select sum(amount) as TOTAL\_AMOUNT from meal\_master where meal\_name = 'NORTH' or meal\_name= 'SOUTH';



15)  Display the passenger details of all the passengers who have cancelled their ticket with journey date 04-dec-2012?

Answer:-

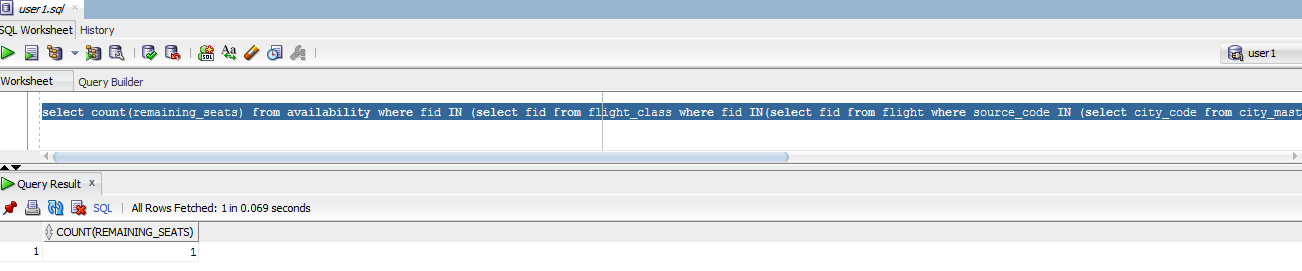
query:- select \* from passenger where ppno IN (select ppno from ticket t,cancellation c where t.pnrno = c.pnrno and c.pnrno IN (select pnrno from ticket where journey\_date = '4-DEC-12'));



16)  Find the availability of the seats of all the flights whose Journey Date is 15-dec-2012, Source city Name is ‘Hyderabad’ and destination city name is ‘delhi’?

Answer:-

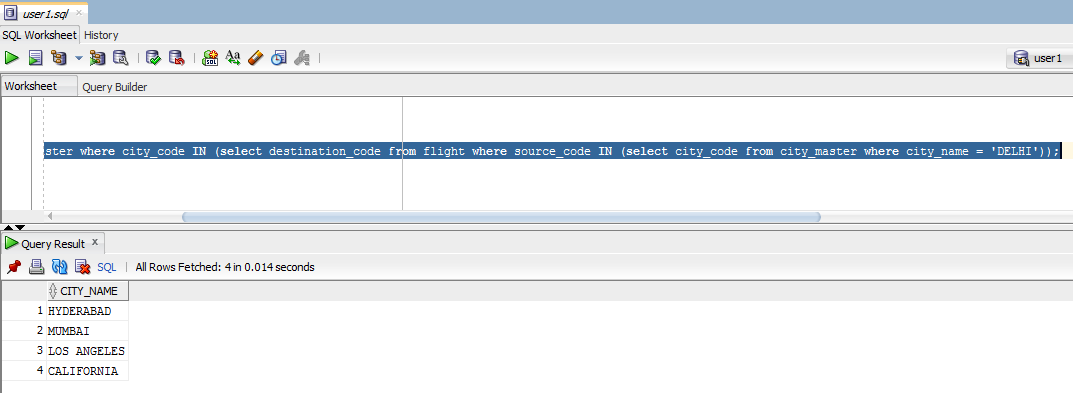
query:- select count(remaining\_seats) from availability where fid IN (select fid from flight\_class where fid IN(select fid from flight where source\_code IN (select city\_code from city\_master where city\_name = 'HYDERABAD') and destination\_code IN (select city\_code from city\_master where city\_name = 'DELHI')));



17)  Find the Destinations of all the flights which start from ‘Delhi’?

Answer:-

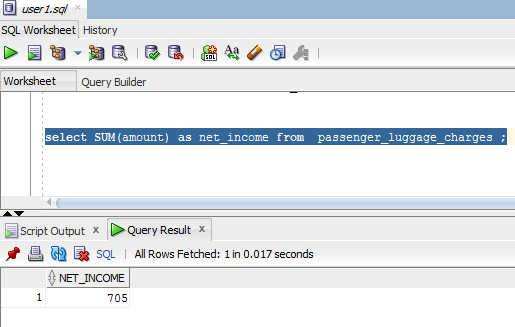
query:- select city\_name from city\_master where city\_code IN (select destination\_code from flight where source\_code IN (select city\_code from city\_master where city\_name = 'DELHI'));



18)  Find the Net income obtained from passengers through Luggage charges

Answer:-

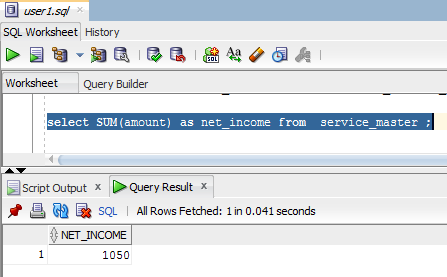
query:- select SUM(amount) as net\_income from passenger\_luggage\_charges ;



19)  Find the Net income obtained from passengers through Services

Answer:-

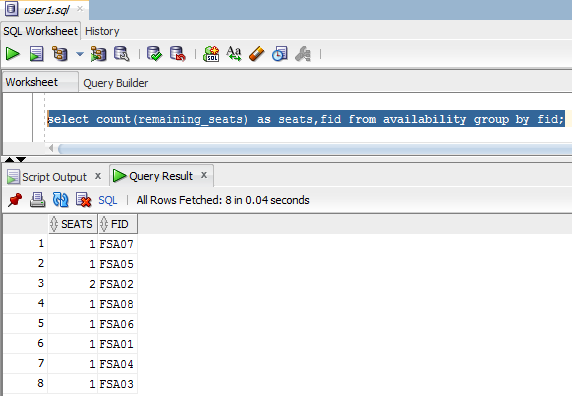
query:- select SUM(amount) as net\_income from service\_master ;



20)  Display number of seats available in each flight

Answer:-

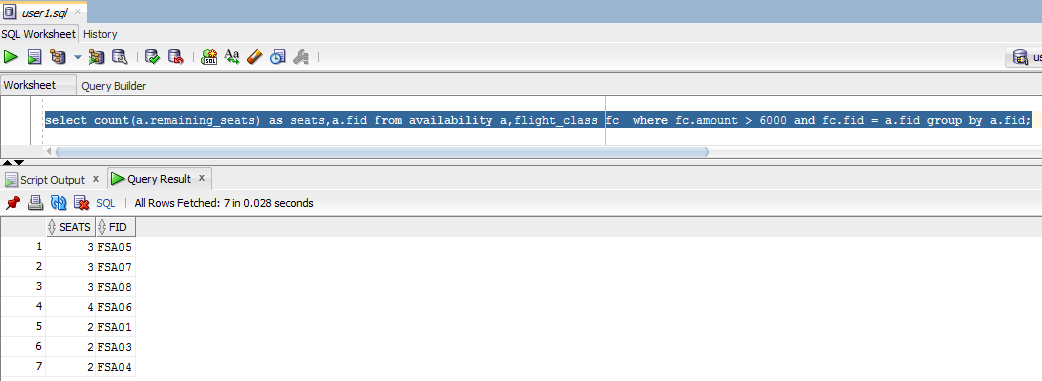
query:- select count(remaining\_seats) as seats,fid from availability group by fid;



21)  Display number of seats available in each flight, where the price of each seat is greater than 6000

Answer:-

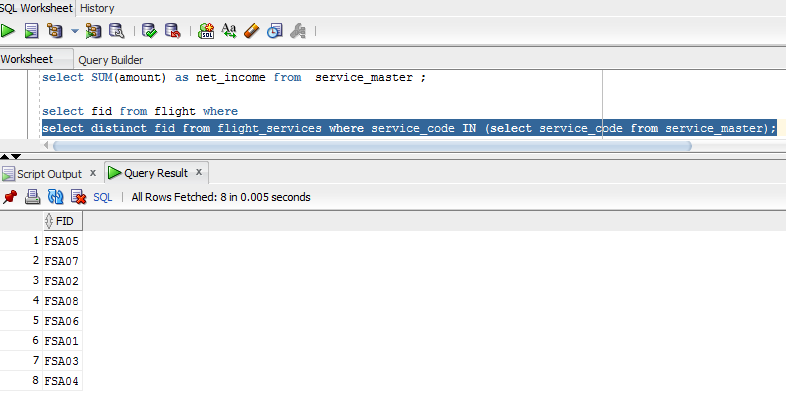
query:- select count(a.remaining\_seats) as seats,a.fid from availability a,flight\_class fc where fc.amount > 6000 and fc.fid = a.fid group by a.fid;



22)  Display the flight id’s which provide all the services?

Answer:-

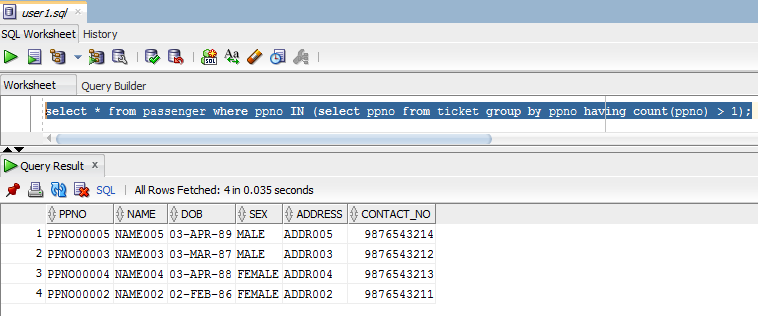
query:- select distinct fid from flight\_services where service\_code IN (select service\_code from service\_master);



23)  Display the passenger details who travelled more than once?

Answer:-

query:- select \* from passenger where ppno IN (select ppno from ticket group by ppno having count(ppno) > 1);



24)  Find the Passenger who travelled in every flight

Answer:-

query:- select \* from passenger where ppno IN ( select ppno from flight where fid = ALL(select distinct fid from flight));

