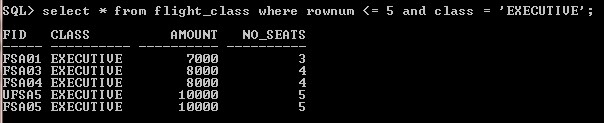
**PROBLEM SET**

**Step by Step Guide for SQL queries**  
**For the queries given, write the SQL statements**

1)      Display first 5 record of the executive class type in Flight-class table?

Answer:-

query:- SQL> select \* from flight\_class where rownum <= 5 and class = 'EXECUTIVE';



2)      Display passenger details who traveled between 1st dec 2012 to 15th dec 2012

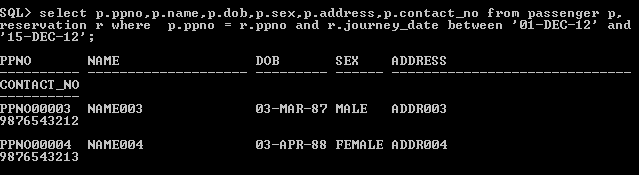
Answer:-

query:-

SQL> select p.ppno,p.name,p.dob,p.sex,p.address,p.contact\_no from passenger p,

reservation r where p.ppno = r.ppno and r.journey\_date between '01-DEC-12' and

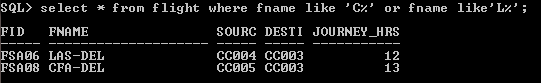
'15-DEC-12';



3)      Display the flight details of all the flights whose first letter of its flight name is ‘C’ or ‘L’

Answer:-

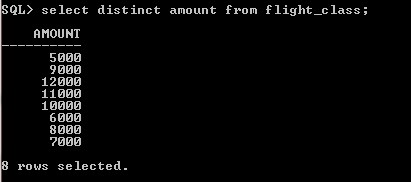
query:- SQL> select \* from flight where fname like 'C%' or fname like'L%';



4)      Display all the distinct prices in Flight table?

Answer:-

query:- SQL> select distinct amount from flight\_class;



5)      Display all the distinct Countries in City-Master?

Answer:-

query:- SQL> select distinct country from city\_master;



6)      Display all the cities of India for which Flysafe airways provide service?

Answer:-

query:- SQL> select distinct cm.city\_name from city\_master cm,flight f where cm.city\_cod

e=f.source\_code and cm.country = 'INDIA';



7)      Find the common services provided by the Flights FSA02 and FSA04?

SQL> select distinct sm.service\_name from service\_master sm ,flight\_services fs

where fs.service\_code = sm.service\_code and fs.fid = 'FSA02' and fs.fid = 'FSA04';

Answer:-

query:- SQL> select distinct sm.service\_name from service\_master sm,flight\_services fs w

here fs.fid = 'FSA02' or fs.fid = 'FSA04';



8)      Display all the Flight Id’s whose departure time is between 9 to 15 hours?

Answer:-

query:-

SQL> select distinct fid from flight\_days where dept\_time between 9 and 15;

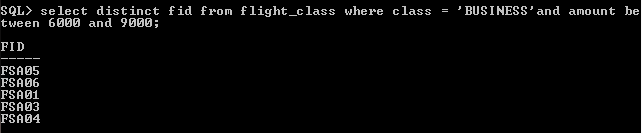


9)      Display all the Flight Id’s whose business class price is between 6000 to 9000?

Answer:-

query:- SQL> select distinct fid from flight\_class where class = 'BUSINESS'and amount be

tween 6000 and 9000;



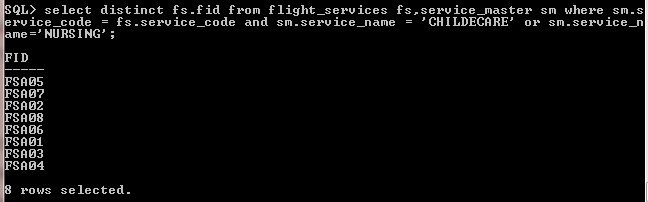
10)  Find all the Flight Id’s that provide ‘Child Care’ or ‘Nursing’ Services.

Answer:-

query:- SQL> select distinct fs.fid from flight\_services fs,service\_master sm where sm.s

ervice\_code = fs.service\_code and sm.service\_name = 'CHILDECARE' or sm.service\_n

ame='NURSING';

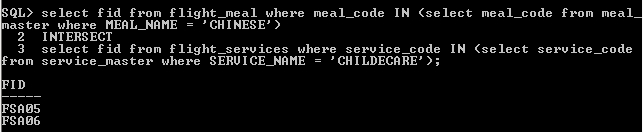


11)  Find all the Flight Id’s that provide ‘Child Care’ and ‘Chinese Food’ Services.

select fid from flight\_meal where meal\_code IN (select meal\_code from meal\_master where MEAL\_NAME = 'CHINESE')

INTERSECT

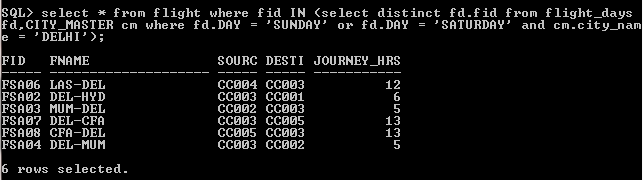
select fid from flight\_services where service\_code IN (select service\_code from service\_master where SERVICE\_NAME = 'CHILDECARE');



12)  Display the flight details of all the flights which start from ‘Delhi’ on weekends?

Answer:-

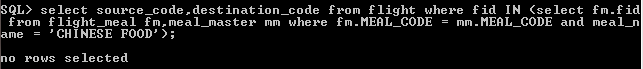
query:- select \* from flight where fid IN (select distinct fd.fid from flight\_days fd,CITY\_MASTER cm where fd.DAY = 'SUNDAY' or fd.DAY = 'SATURDAY' and cm.city\_name = 'DELHI');



13)  Find the source and destination of the flights for which the passengers selected CHINIESE for meals.

Answer:-

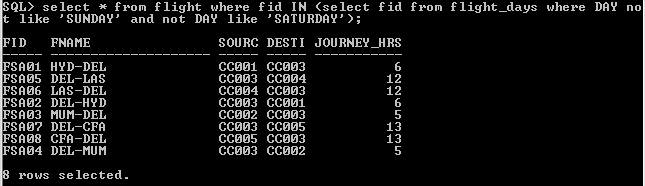
query:- select source\_code,destination\_code from flight where fid IN (select fm.fid from flight\_meal fm,meal\_master mm where fm.MEAL\_CODE = mm.MEAL\_CODE and meal\_name = 'CHINESE ');



14)  Display flight details of all the flights which start on weekdays?

Answer:-

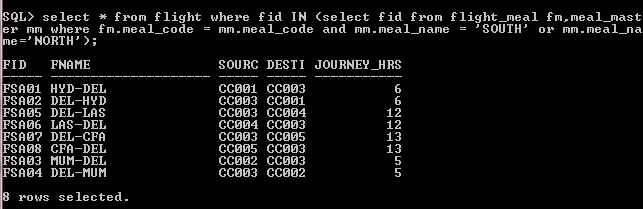
select \* from flight where fid IN (select fid from flight\_days where DAY not like 'SUNDAY' and not DAY like 'SATURDAY');



15)  Display flight details of all the flights which offer meals whose Meal-Name is either ‘SOUTH’ or ‘NORTH’?

Answer:-

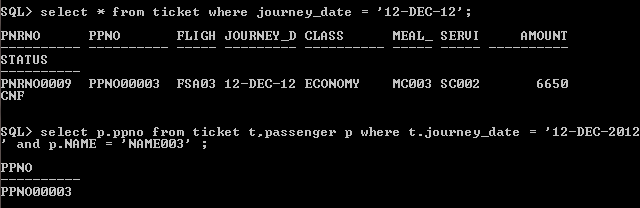
query:- select \* from flight where fid IN (select fid from flight\_meal fm,meal\_master mm where fm.MEAL\_CODE = mm.MEAL\_CODE and mm.MEAL\_NAME = 'SOUTH' or mm.meal\_name = 'NORTH');



16)  Find the passport number of the passengers whose name is “Name003” and travelled on 12th December 2012

Answer:-

query:- select p.ppno from ticket t,passenger p where t.journey\_date = '12-DEC-2012' and p.NAME = 'NAME003' ;

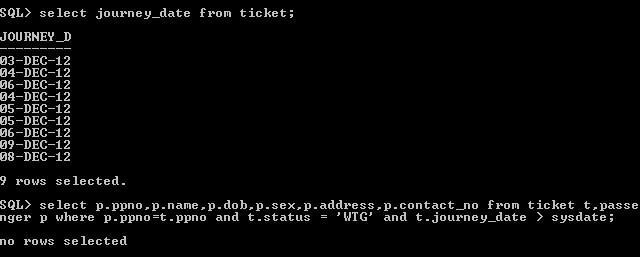


17)  Display the details of all the passengers whose journey date is greater than today’s date and status is ‘waiting’?

Answer:-

query:- SQL> select p.ppno,p.name,p.dob,p.sex,p.address,p.contact\_no from ticket t,passe

nger p where p.ppno=t.ppno and t.status = 'WTG' and t.journey\_date > sysdate;



18:-display flight class details where source is delhi and destination is hyderabad

Answer:-

select \* from flight\_class where fid IN(select fid from flight where source\_code IN (select city\_code from city\_master where city\_name = 'DELHI') and destination\_code IN (select city\_code from city\_master where city\_name = 'HYDERABAD'));

