**PROBLEM SET**

So far, you have worked on MySQL for simple and complex queries. Now that you are familiar with the MySQL syntax attempt the following questions using MYSQL.

**Task:**

1. Create a cursor to display PNR number, names of the passengers from passenger table.

Answer:-

query:-

DECLARE

t\_pnrno ticket.pnrno%type;

p\_name passenger.name%type;

CURSOR p\_passenger is

select ticket.pnrno,passenger.name from passenger,ticket

where ticket.ppno = passenger.ppno;

BEGIN

OPEN p\_passenger;

LOOP

FETCH p\_passenger into t\_pnrno, p\_name;

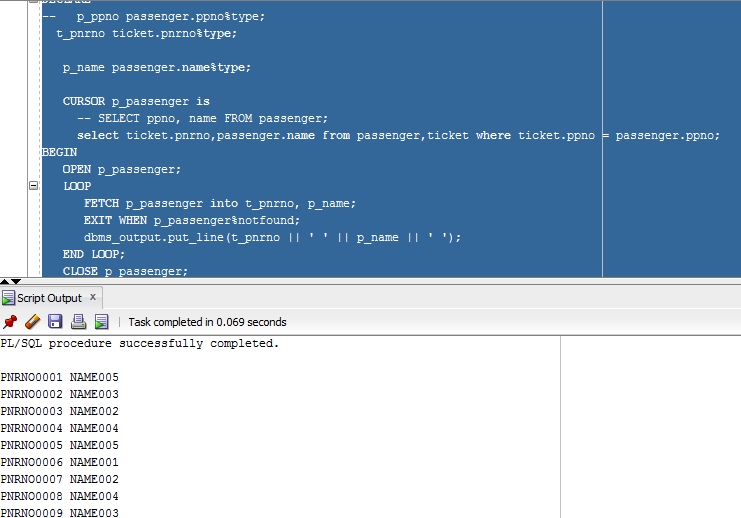
EXIT WHEN p\_passenger%notfound;

dbms\_output.put\_line(t\_pnrno || ' ' || p\_name || ' ');

END LOOP;

CLOSE p\_passenger;

END;



1. Create a forward\_only cursor in order to allow changes and that should fetch each row from the reservation table having class 'Business Clase' and the journey date at the current cursor position is changed to may 15,2001.

Answer:-

query:-

set serveroutput on

declare

var\_rows number(5);

cursor res is

select \* from reservation where class = 'BUSINESS' for update of JOURNEY\_DATE;

r res%ROWTYPE;

begin

open res;

loop

fetch res into r ;

exit when res%NOTFOUND;

update reservation set JOURNEY\_DATE = '15-MAY-01' where current of res;

IF SQL%NOTFOUND THEN

dbms\_output.put\_line('No records where updated');

ELSIF SQL%FOUND THEN

var\_rows := SQL%ROWCOUNT;

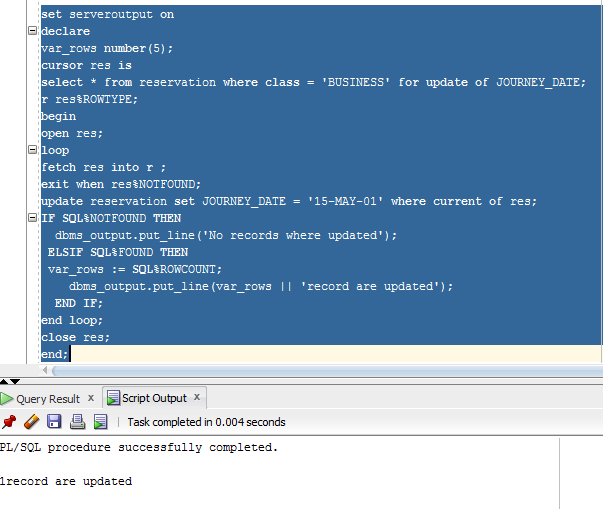
dbms\_output.put\_line(var\_rows || 'record are updated');

END IF;

end loop;

close res;

end;



1. Create a cursor to display all rows in flight table having source as ‘mumbai’.

Answer:-

query:-

set serveroutput on

declare

fid FLIGHT.FID%TYPE;

fname FLIGHT.FNAME%TYPE;

src\_code FLIGHT.SOURCE\_CODE%TYPE;

dest\_code FLIGHT.DESTINATION\_CODE%TYPE;

jhrs FLIGHT.JOURNEY\_HRS%TYPE;

cursor flight\_curr is

select f.fid,f.fname,f.source\_code,f.destination\_code,f.journey\_hrs

from flight f , city\_master cm

where f.SOURCE\_CODE = cm.CITY\_CODE and cm.CITY\_NAME = 'MUMBAI';

begin

open flight\_curr;

loop

fetch flight\_curr into fid,fname,src\_code,dest\_code,jhrs;

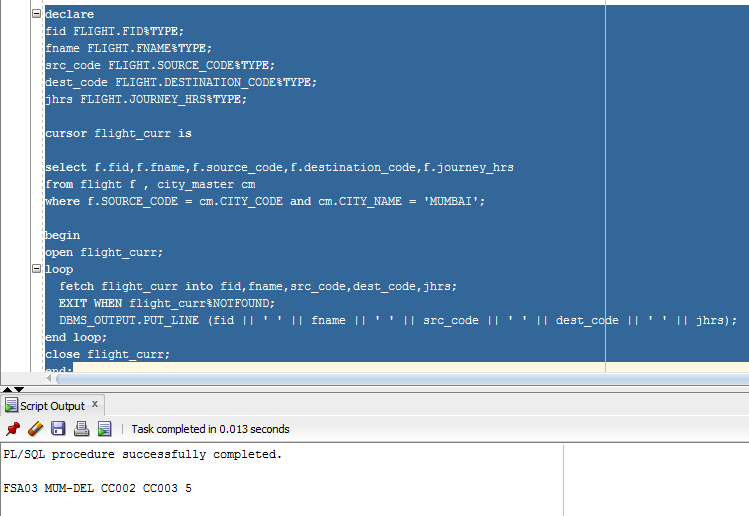
EXIT WHEN flight\_curr%NOTFOUND;

DBMS\_OUTPUT.PUT\_LINE (fid || ' ' || fname || ' ' || src\_code || ' ' || dest\_code || ' ' || jhrs);

end loop;

close flight\_curr;

end;



1. Create a keyset cursor to display passenger details from the reservation table and the meal\_code is ‘V’ or ‘NV’.

Answer:-

query:-

declare

ppno passenger.ppno%TYPE;

name passenger.name%TYPE;

dob passenger.dob%TYPE;

sex passenger.sex%TYPE;

addr passenger.address%TYPE;

con passenger.contact\_no%TYPE;

cursor pass is

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.meal\_code = 'V' or r.meal\_code = 'NV';

begin

open pass;

loop

fetch pass into ppno,name,dob,sex,addr,con;

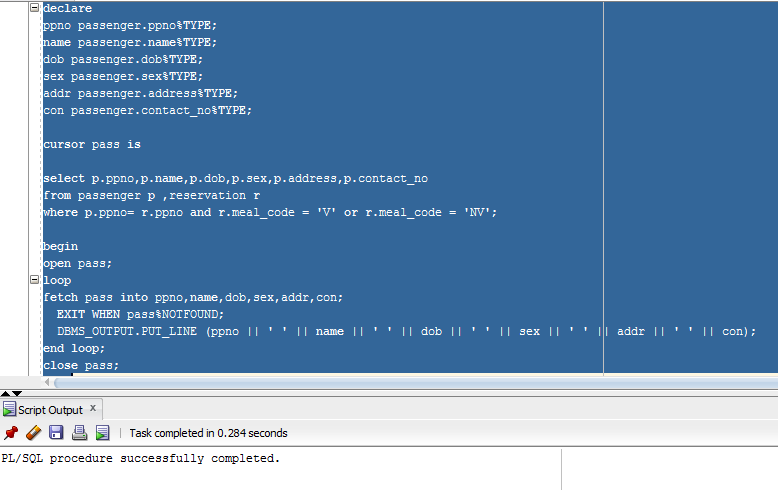
EXIT WHEN pass%NOTFOUND;

DBMS\_OUTPUT.PUT\_LINE (ppno || ' ' || name || ' ' || dob || ' ' || sex || ' ' || addr || ' ' || con);

end loop;

close pass;

end;



1. Create a read\_only cursor to display all the rows from flight table and the aircraft code is ‘FSA08’ or ‘FSA09’.

Answer:-

quey:-

set serveroutput on

declare

fid flight.fid%TYPE;

fname flight.fname%TYPE;

src\_code flight.source\_code%TYPE;

dest\_code flight.destination\_code%TYPE;

jhrs flight.journey\_hrs%TYPE;

cursor flite is

select \* from flight where FID = 'FSA08' or fid = 'FSA09';

begin

open flite;

loop

fetch flite into fid,fname,src\_code,dest\_code,jhrs;

EXIT WHEN flite%NOTFOUND;

DBMS\_OUTPUT.PUT\_LINE (fid || ' ' || fname || ' ' || src\_code || ' ' || dest\_code || ' ' || jhrs);

end loop;

close flite;

end;

