

CAB BOOKING

PROCEDURES



April 16, 2019

DBMS PL/SQL

**1. Procedure for Insertion into driver table**

SQL> create or replace procedure reg\_driver(fname driver.first\_name%type,lname driver.last\_name%type,bday driver.birth\_date%type,lic\_no driver.driving\_licence\_number%type,exp driver.expiry\_date%type,status driver.working%type)

as

begin

insert into driver(first\_name,last\_name,birth\_date,driving\_licence\_number,expiry\_date,working) values(fname,lname,bday,lic\_no,exp,status);

end;

/

**2. Procedure for Insertion into cab table**

SQL> create or replace procedure reg\_cab(plate cab.licence\_plate%type,year cab.manufacture\_year%type,owner cab.owner\_id%type,mname car\_model.model\_name%type) as

begin

insert into cab(licence\_plate,manufacture\_year,owner\_id,model\_name) values(plate,year,owner,mname);

end;

/

**3. Procedure for Insertion into owner table**

SQL> create or replace procedure reg\_owner(name owner.name%type)

as

begin

insert into owner(name) values(name);

end;

/

**4. Procedure for Insertion into car\_model table**

SQL> create or replace procedure reg\_car\_model(name car\_model.model\_name%type,descr car\_model.model\_description%type) as

begin

insert into car\_model values(name,descr);

end;

/

**5. Procedure for Insertion into driver\_cab table**

SQL> create or replace procedure reg\_driver\_cab(d\_id driver\_cab.driver\_id%type,c\_id driver\_cab.cab\_id%type)

as

begin

insert into driver\_cab values(d\_id,c\_id);

end;

/

**6. Procedure for Insertion into payment\_type table**

SQL> create or replace procedure reg\_payment\_type(pid payment\_type.payment\_id%type,name payment\_type.type\_name%type)

as

begin

insert into payment\_type values(pid,name);

end;

/

**7. Procedure for Insertion into cab\_ride table**

SQL> create or replace procedure reg\_cab\_ride(customer\_id customer.cust\_id%type,password customer.pass%type,jf cab\_ride.jfrom%type,jt cab\_ride.jto%type)

as

p customer.pass%type;

cursor c is select pass from customer where cust\_id=customer\_id;

begin

open c;

fetch c into p;

close c;

if(p=password) then

if(cab\_booking(customer\_id,jf,jt)=0) then

dbms\_output.put\_line('No cab is available right now.. wait for sometimes...');

end if;

else

dbms\_output.put\_line('Wrong user credentials');

end if;

/

**8. Procedure for Insertion into distance\_map table**

SQL> create or replace procedure reg\_distance\_map(p1 distance\_map.jfrom%type,p2 distance\_map.jto%type,d distance\_map.dis%type)

as

begin

insert into distance\_map values(p1,p2,d);

insert into distance\_map values(p2,p1,d);

end;

/

**9. Procedure for Insertion into customer table**

SQL> create or replace procedure reg\_customer

(

password customer.pass%type,

cust\_name customer.cust\_name%type,

email customer.email%type,

contact customer.contact%type,

vpa customer.vpa%type )

as

begin

insert into customer(pass,cust\_name,email,contact,vpa) values(cust\_name,password,email,contact,vpa);

end;

/

**10. Procedure for Insertion into cab\_ride\_history table**

SQL> create or replace procedure reg\_cab\_ride\_history(cbid cab\_ride.cab\_id%type,

cust\_id cab\_ride.cust\_id%type,

st cab\_ride.ride\_start\_time%type,

et cab\_ride.ride\_end\_time%type,

jfrom cab\_ride.jfrom%type,

jto cab\_ride.jto%type,

cancelled cab\_ride.cancelled%type,

ptype cab\_ride.payment\_id%type,

charges cab\_ride.charges%type)

as

begin

insert into cab\_ride\_history values(cbid,cust\_id,st,et,jfrom,jto,cancelled,ptype,charges);

end;

**/**

**11. Procedure for Removing Driver record.**

SQL> create or replace procedure rem\_driver (id driver.driver\_id%type) as

Begin

delete from driver where driver\_id=id;

end;

**/**

**12. Procedure for Removing Owner record.**

SQL> create or replace procedure rem\_Owner (id owner.owner\_id%type) as

Begin

delete from owner where owner\_id=id;

end;

**/**

**13. Procedure for Removing Cab record.**

SQL> create or replace procedure rem\_cab(id cab.cab\_id%type) as

Begin

delete from cab where cab\_id=id;

end;

**/**

**14. Procedure for Removing Car\_model record.**

SQL> create or replace procedure rem\_car\_model(name car\_model.model\_name%type) as

Begin

delete from car\_model where model\_name=name;

end;

**/**

**15. Procedure for Removing Customer record.**

SQL> create or replace procedure rem\_customer(id customer.cust\_id%type) as

Begin

delete from customer where cust\_id=id;

end;

**/**

**16. Procedure for freeing up a particular cab after the ride.**

SQL> create or replace procedure free\_cab(id cab.cab\_id%type) as

Begin

delete from cab\_ride where cab\_id=id;

end;

**/**

**17. Procedure for freeing up all the cabs after the ride.**

SQL> create or replace procedure free\_all\_cab as

Begin

delete from cab\_ride;

end;

**/**