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# CAB BOOKING

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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;
```

