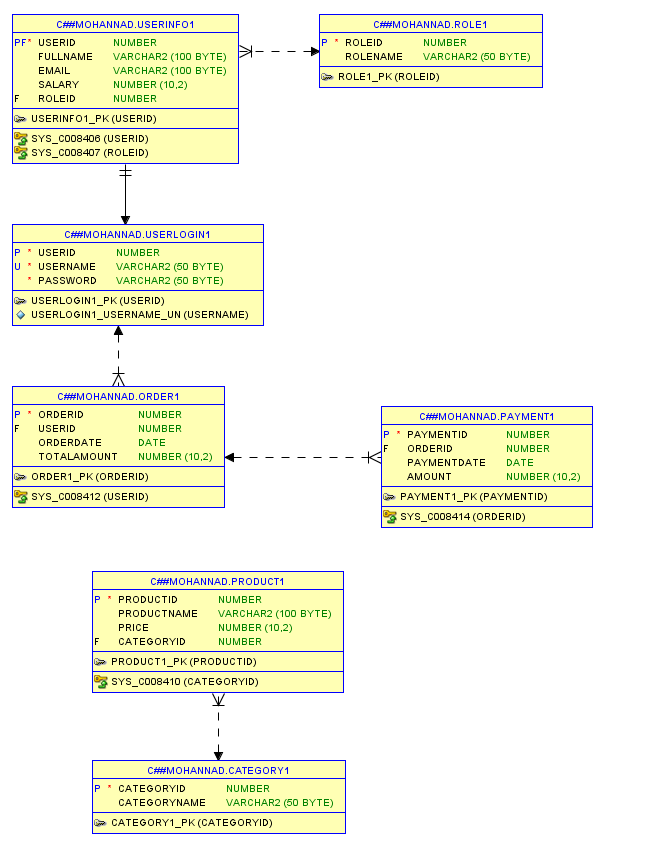
Assignment 9:

# Class Diagram:



1- Display user information by username and password:

create or replace procedure display\_user(username in varchar2, password in varchar2)

is

v\_fullname VARCHAR2(100);

v\_email VARCHAR2(100);

v\_salary NUMBER;

v\_roleid NUMBER;

begin

select userinfo1.fullname, userinfo1.email, userinfo1.salary, userinfo1.roleid

into v\_fullname, v\_email, v\_salary, v\_roleid

from userinfo1

inner join userlogin1 on userinfo1.userid = userlogin1.userid

where userlogin1.username = username AND userlogin1.password = password;

DBMS\_OUTPUT.PUT\_LINE('Full Name: ' || v\_fullname);

DBMS\_OUTPUT.PUT\_LINE('Email: ' || v\_email);

DBMS\_OUTPUT.PUT\_LINE('Salary: ' || v\_salary);

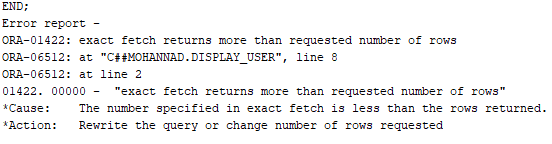
DBMS\_OUTPUT.PUT\_LINE('Role ID: ' || v\_roleid);

end display\_user;

BEGIN

display\_user('user1', 'pass1');

END;



I kept getting this error, which indicates that multiple rows were fetched, I checked the logic and it seems fine, only the user who’s info was entered as parameter should be returned.

2- Display All Product Names and Prices:

create or replace procedure display\_all\_products

is

v\_product\_name varchar2(100);

v\_price number;

begin

for product\_record in (select productname, price from Product1) loop

DBMS\_OUTPUT.PUT\_LINE('Product Name: ' || product\_record.productname || ' | Price: ' || product\_record.price);

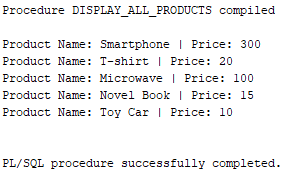
end loop;

end display\_all\_products;

BEGIN

display\_all\_products;

END;



3- Display Products by Product Name:

create or replace procedure display\_products\_by\_name(product\_name in varchar2)

is

v\_product\_name VARCHAR2(100);

v\_price NUMBER;

begin

for product\_record in (

select productname, price

from Product1

where productname = product\_name

) loop

DBMS\_OUTPUT.PUT\_LINE('Product Name: ' || product\_record.productname || ' | Price: ' || product\_record.price);

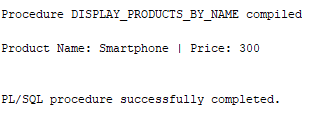
end loop;

END display\_products\_by\_name;

BEGIN

display\_products\_by\_name('Smartphone');

END;



4- Display Products by Price:

create or replace procedure display\_products\_by\_price(min\_price in number, max\_price in number)

is

v\_product\_name varchar2(100);

v\_price number;

begin

for product\_record in (

select productname, price

from Product1

where price between min\_price AND max\_price

) LOOP

DBMS\_OUTPUT.PUT\_LINE('Product Name: ' || product\_record.productname || ' | Price: ' || product\_record.price);

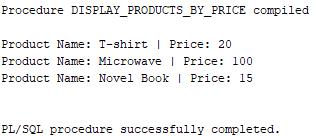
END LOOP;

END display\_products\_by\_price;

BEGIN

display\_products\_by\_price(12, 200);

END;



5- Display Users with Their Roles

create or replace procedure display\_users\_with\_roles

is

v\_fullname varchar2(100);

v\_email varchar2(100);

v\_role\_name varchar2(100);

begin

for user\_record in (

select userinfo1.fullname, userinfo1.email, role1.rolename

from userinfo1

inner join role1 on userinfo1.roleid = role1.roleid

) LOOP

DBMS\_OUTPUT.PUT\_LINE('Full Name: ' || user\_record.fullname ||

' | Email: ' || user\_record.email ||

' | Role: ' || user\_record.rolename);

END LOOP;

END display\_users\_with\_roles;

BEGIN

display\_users\_with\_roles;

END;

