**Assignment 7**

**PL/SQL Assignment 4**

Be sure to download companyDB.sql and execute it if you have not done it yet.

1. Create an anonymous block that uses cursor for update method to update super\_ssn of EMPLOYEE table as follows:

• If an employee’s supervisor SSN is 333445555, then update the supervisor’s SSN to 888665555.

declare

cursor c1 is

select \* from employee

for update;

c1\_rec c1%rowtype;

begin

for c1\_rec in c1 loop

if (c1\_rec.super\_ssn=333445555 ) then

update employee

set super\_ssn = 888665555

where current of c1;

end if;

end loop;

end

1. Create a stored procedure with the follow specification:

Create or replace procedure projInfo (projNo in project.pnumber%type, empCnt out number, totalHours out works\_on.hours%type)

The procedure should have an exception handler. If an invalid projNo is given, it should capture the error and output an error message saying, “invalid project number”. (Hint: use raise\_application\_error procedure for displaying error code and error message)

CREATE OR REPLACE PROCEDURE projInfo (

projNo IN project.pnumber%type,

empCnt OUT NUMBER,

totalHours OUT works\_on.hours%type)

IS

BEGIN

IF (projNo <= 0) THEN

RAISE\_APPLICATION\_ERROR (-20000, 'invalid project number');

else

SELECT COUNT(essn) INTO empCnt FROM works\_on WHERE pno = projNo;

SELECT SUM(hours) INTO totalHours FROM works\_on WHERE pno = projNo;

end if;

end;