Date: 28-12-19

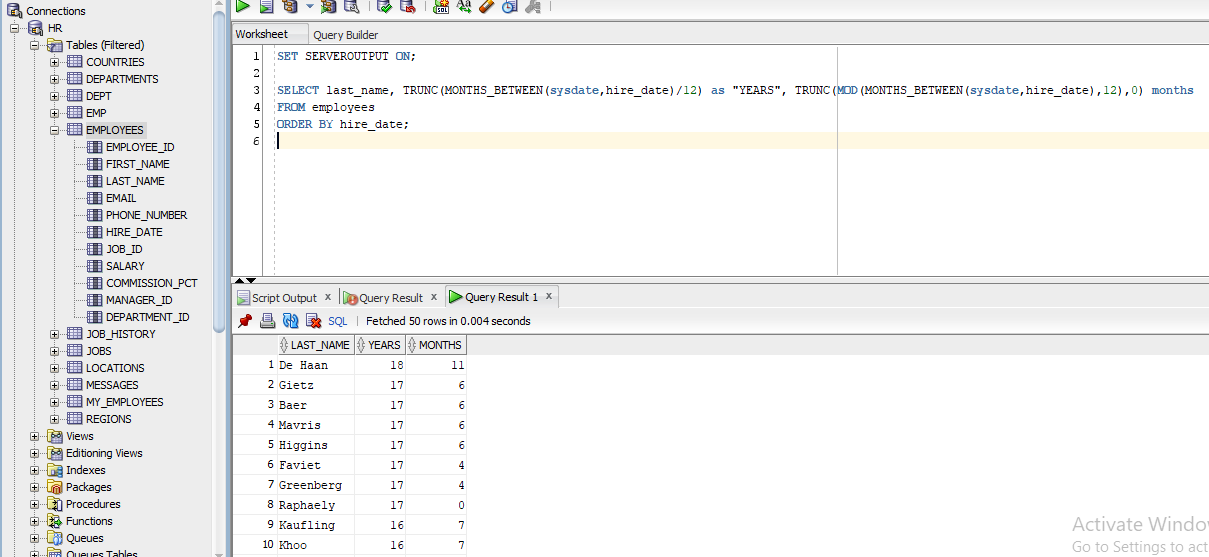
Name: Dhanur Sharma

1)

SELECT last\_name, TRUNC(MONTHS\_BETWEEN(sysdate,hire\_date)/12) as "YEARS", TRUNC(MOD(MONTHS\_BETWEEN(sysdate,hire\_date),12),0) months

FROM employees

ORDER BY hire\_date;



=====================================================================

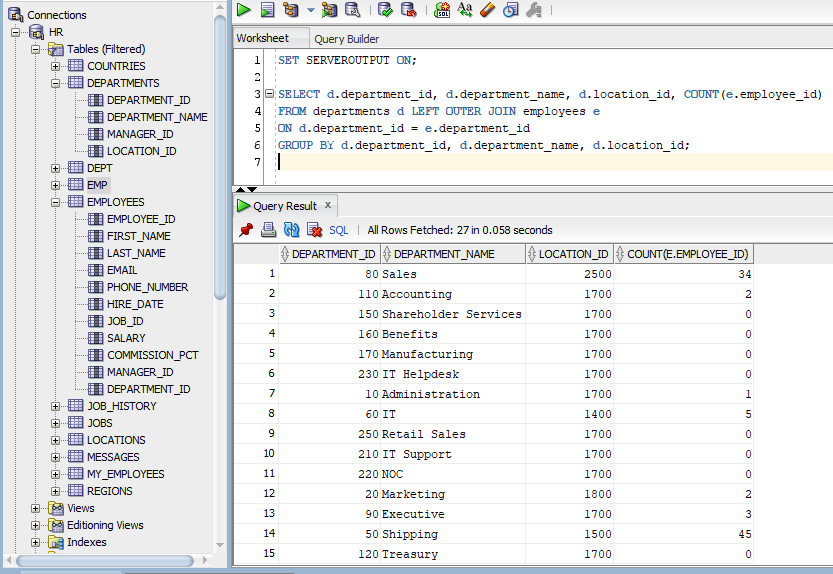
2)

SELECT d.department\_id, d.department\_name, d.location\_id, COUNT(e.employee\_id)

FROM departments d LEFT OUTER JOIN employees e

ON d.department\_id = e.department\_id

GROUP BY d.department\_id, d.department\_name, d.location\_id;



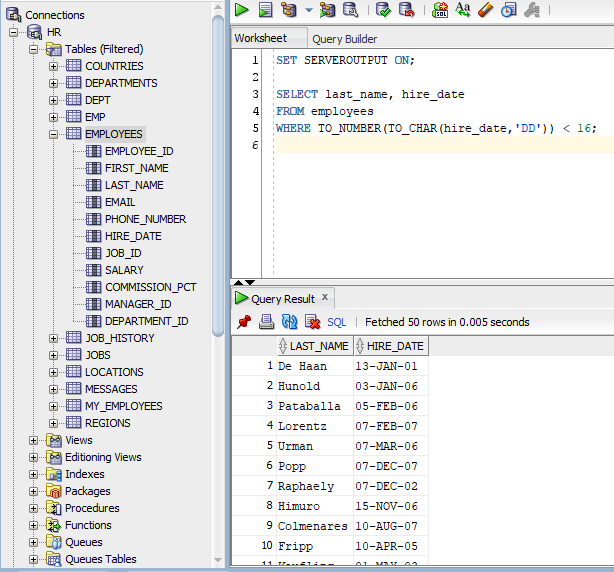
=====================================================================

3)

SELECT last\_name, hire\_date

FROM employees

WHERE TO\_NUMBER(TO\_CHAR(hire\_date,'DD')) < 16;

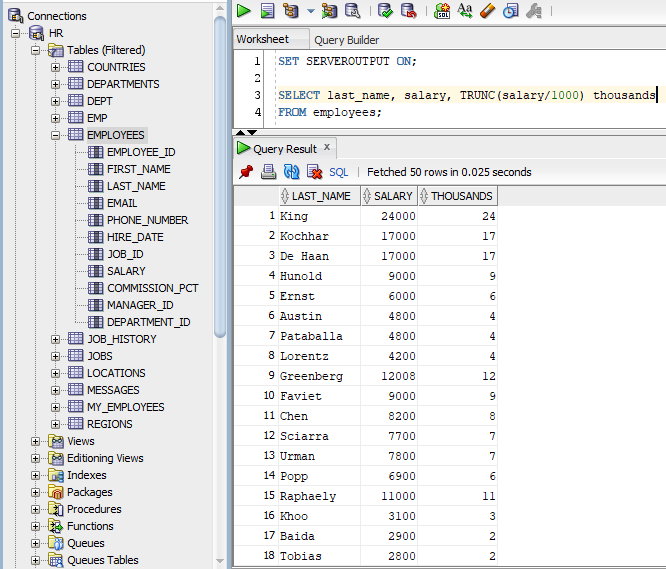


=====================================================================

4)

SELECT last\_name, salary, TRUNC(salary/1000) thousands

FROM employees;



=====================================================================

5)

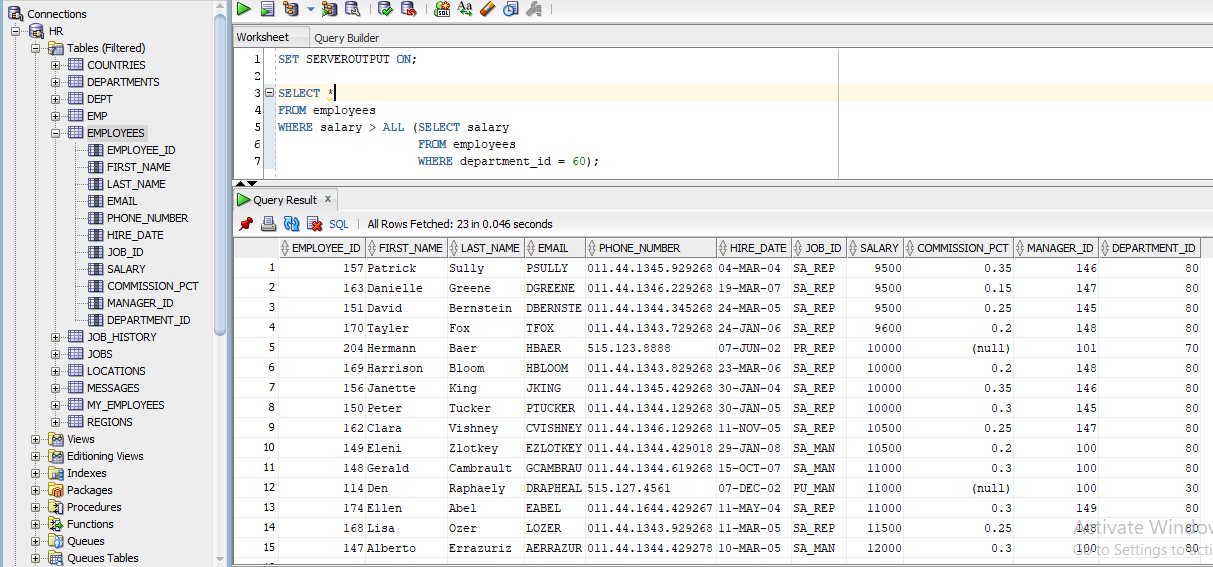
SELECT \*

FROM employees

WHERE salary > ALL (SELECT salary

FROM employees

WHERE department\_id = 60);



=====================================================================

6)

DECLARE

v\_num PLS\_INTEGER;

v\_dept PLS\_INTEGER:=&dep;

BEGIN

SELECT COUNT(\*)

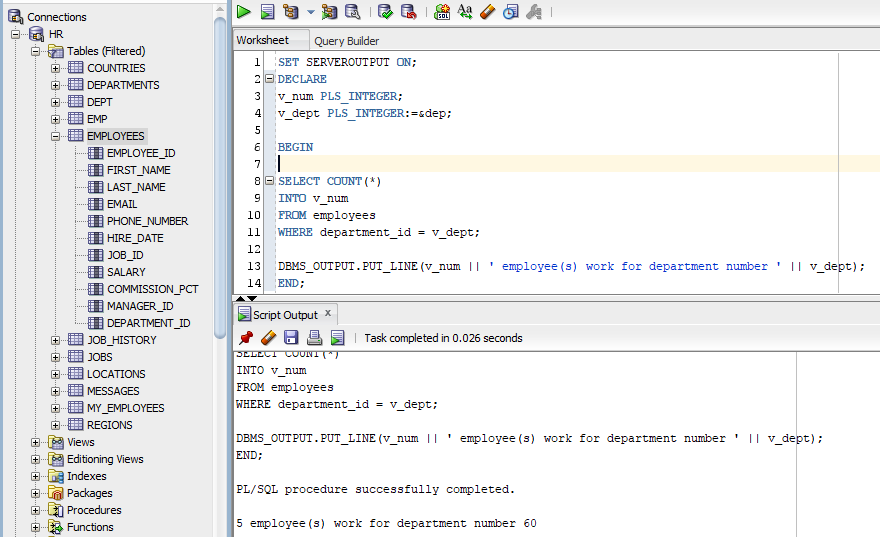
INTO v\_num

FROM employees

WHERE department\_id = v\_dept;

DBMS\_OUTPUT.PUT\_LINE(v\_num || ' employee(s) work for department number ' || v\_dept);

END;



=====================================================================

7)

DECLARE

v\_year PLS\_INTEGER:=&yr;

BEGIN

IF MOD(v\_year,4) = 0 AND MOD(v\_year,100) <> 0 THEN

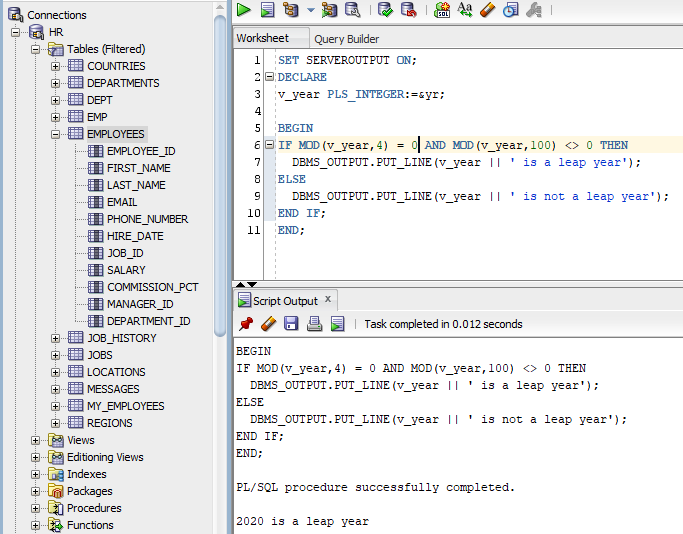
DBMS\_OUTPUT.PUT\_LINE(v\_year || ' is a leap year');

ELSE

DBMS\_OUTPUT.PUT\_LINE(v\_year || ' is not a leap year');

END IF;

END;



=====================================================================

8)

DECLARE

v\_m\_salary PLS\_INTEGER:=&sal;

v\_a\_salary PLS\_INTEGER;

v\_bonus PLS\_INTEGER;

BEGIN

v\_a\_salary := v\_m\_salary \* 12;

IF v\_a\_salary >= 20000 THEN

v\_bonus:= 2000;

ELSIF v\_a\_salary >=10000 AND v\_a\_salary<= 19999 THEN

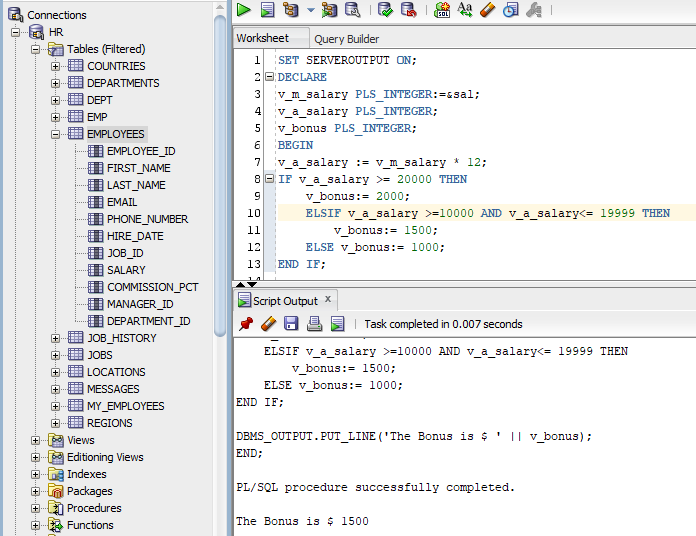
v\_bonus:= 1500;

ELSE v\_bonus:= 1000;

END IF;

DBMS\_OUTPUT.PUT\_LINE('The Bonus is $ ' || v\_bonus);

END;



=====================================================================

9)

DECLARE

CURSOR c\_emp\_cur IS

SELECT last\_name, salary, hire\_date

FROM employees

WHERE salary > 15000

AND hire\_date > '01-FEB-1988';

BEGIN

FOR e\_r IN c\_emp\_cur

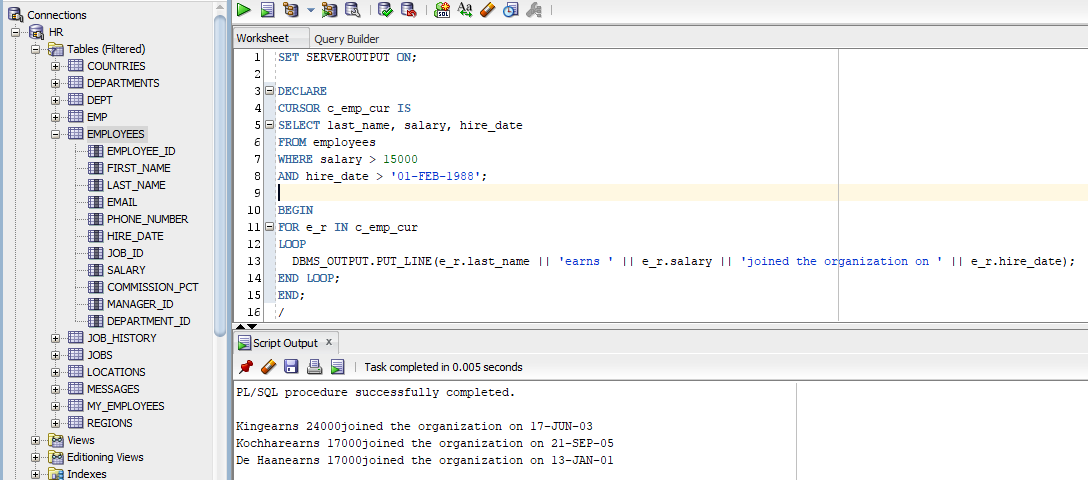
LOOP

DBMS\_OUTPUT.PUT\_LINE(e\_r.last\_name || 'earns ' || e\_r.salary || 'joined the organization on ' || e\_r.hire\_date);

END LOOP;

END;

/



=====================================================================

10)

CREATE TABLE analysis

(ename VARCHAR2(20),

years\_ NUMBER(2),

sal NUMBER(8,2));

DECLARE

e\_raise\_due EXCEPTION;

v\_hiredate employees.hire\_date%TYPE;

v\_name employees.last\_name%TYPE := INITCAP( '&b\_name');

v\_sal employees.salary%TYPE;

v\_years NUMBER(2);

BEGIN

SELECT last\_name, salary, hire\_date

INTO v\_name,v\_sal,v\_hiredate

FROM employees WHERE last\_name = v\_name;

v\_years := MONTHS\_BETWEEN(SYSDATE,v\_hiredate)/12;

IF v\_sal < 3500 AND v\_years > 5 THEN

RAISE e\_raise\_due;

ELSE

DBMS\_OUTPUT.PUT\_LINE (v\_name || ' not due for a raise');

END IF;

EXCEPTION

WHEN e\_raise\_due THEN

BEGIN

DBMS\_OUTPUT.PUT\_LINE (v\_name || ' is due for a raise');

INSERT INTO analysis(ename,years\_,sal)

VALUES (v\_name,v\_years,v\_sal);

END;

END;

/

