











select last\_name,round( months\_between(sysdate,hire\_date)/12) Years

mod(months\_between(sysdate,hire\_date)/12) as Months

from employees

order by years desc;

select d.department\_name, d.department\_id, d.location\_id

from departments d join locations l

on

d.location\_id=l.location\_id;

select last\_name, hire\_date from employees where to\_number(to\_char(hire\_date,'DD'))<=15;

select last\_name, salary , trunc(salary/1000) as THOUSANDS from employees;

select employee\_id, last\_name, salary from employees

where salary > (select min(salary) from employees where department\_id=60);

SET SERVEROUTPUT ON;

DECLARE

V\_NUM NUMBER;

DEPTNO EMPLOYEE.DEPARTMENT\_ID%TYPE;

BEGIN

DBMS\_OUTPUT.PUT\_LINE(' ENTER EMPLOYEE NUMBER ' || &DEPTNO);

SELECT COUNT(\*)

INTO V\_NUM

FROM EMPLOYEES

WHERE EMPLOYEES.DEPARTMENT\_ID := DEPTNO;

DBMS\_OUTPUT.PUT\_LINE(V\_NUM || ' EMPLOYEE(S) WORK FOR DEPARTMENT NUMBER ' || DEPTNO);

END;

/

SET SERVEROUTPUT ON

DECLARE

month\_sal number;

begin

DBMS\_OUTPUT.PUT\_LINE(' enter salary ' || &month\_sal);

if

month\_sal >= 20000

then

DBMS\_OUTPUT.PUT\_LINE(' The Bonus is $2000');

else if

month\_sal >=10000 and month\_sal<= 19999

then

DBMS\_OUTPUT.PUT\_LINE(' The Bonus is $1500');

else

DBMS\_OUTPUT.PUT\_LINE(' The Bonus is $1000');

end if;

end;

/

SET SERVEROUTPUT ON;

DECLARE

CURSOR EMP\_CUR IS

SELECT LAST\_NAME, SALARY, HIRE\_DATE

FROM EMPLOYEES

WHERE SALARY > 15000 AND HIRE\_DATE> '01-FEB-1988';

BEGIN

FOR E\_REC IN EMP\_CUR

LOOP

DBMS\_OUTPUT.PUT\_LINE( E\_REC.LAST\_NAME || 'EARNS ' || E\_REC.SALARY || 'AND JOINED THE ORGANISATION ON ' || E\_REC.HIRE\_DATE);

END LOOP;

END;

/

SET SERVEROUTPUT ON;

DECLARE

YEAR NUMBER := &NUM;

BEGIN

IF

MOD(YEAR,4)=0

AND

MOD(YEAR,100)=0

THEN

DBMS\_OUTPUT.PUT\_LINE( YEAR || ' IS A LEAP YEAR');

ELSE

DBMS\_OUTPUT.PUT\_LINE( YEAR || ' IS NOT A LEAP YEAR');

END IF;

END;

/

SET SERVEROUTPUT ON;

declare

e\_due exception;

v\_lname employee.last\_name%type := %abc;

v\_sal employee.salary%type;

v\_hiredate employee.hire\_date%type;

v\_years number(2);

begin

select last\_name, salary, hire\_date into v\_lname, v\_sal, v\_hiredate from employees

where last\_name=v\_lname;

v\_years= months\_between(sysdate,v\_hiredate)/12;

if v\_sal < 3500 and v\_years >5

then

raise e\_due;

else

dbms\_output.put\_line('not due for raise');

end if;

exception

when e\_due then

begin

dbms\_output.put\_line('v\_lname || ' due for raise');

end;

end;

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