

(Rendu en retard le 09/03/16, cause : absence à la séance précédente)

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TP 3 – PL / SQL

Question 1

DECLARE

CURSOR c_emp is select * from emp;

v_emp c_emp%rowtype;

BEGIN

FOR v_emp in c_emp LOOP

IF (v_emp.comm!=null or v_emp.comm!=0) THEN

DBMS_OUTPUT.PUT_LINE(

'La commission de ' || v_emp.ename || ' est de ' || v_emp.comm
|| ' dollars');

ELSE

DBMS_OUTPUT.PUT_LINE(v_emp.ename
|| 'n"a pas de commission');

END IF;

END LOOP;

END;

Question 2

create table employees as (select * from HR.EMPLOYEES);

alter table employees add(Etoiles varchar2(50));

DECLARE

CURSOR c_employee is select * from employees;

v_employee c_employee%rowtype;

v_sal employees.salary%type;

v_star employees.etoiles%type;

BEGIN

```

        open c_employee;
loop
    fetch c_employee into v_employee;
    exit when c_employee%notfound;
    v_star:="";
    v_sal:=v_employee.salary;
    loop
        v_star:=v_star||'*';
        v_sal:=v_sal-1000;
        exit when v_sal<=0;

    end loop;
    update employees
    set etoiles=v_star
    where(employee_id=v_employee.employee_id);
end loop;
close c_employee;
END;

```

Question 3

create table departments as (select * from HR.DEPARTMENTS);

DECLARE

```

cursor c_depart is select * from departments order by department_id;
cursor c_emp_id (p_dept_id departments.department_id%type,
    p_emp_id employees.employee_id%type) is
    select * from employees where(department_id=p_dept_id and
    employee_id<p_emp_id) order by employee_id;
v_empid c_empid%rowtype;
v_depart c_depart%rowtype;
v_num_depart departments.department_id%type;

```

BEGIN

--partie 1 question 3

```
open c_depart;
    v_num_depart:='';
    loop
        fetch c_depart into v_depart;
        exit when c_depart%notfound;
        if v_depart.department_id<100 then
            v_num_depart:=v_depart.department_id;
            DBMS_OUTPUT.PUT_LINE(v_num_depart);
        end if;
    end loop;
close c_depart;
```

--partie 2 et 3 question 3

```
for v_depart in c_depart loop
    if v_depart.department_id<100 then
        v_num_depart:=v_depart.department_id;
        DBMS_OUTPUT.PUT_LINE('Num de département : ' || v_num_depart || ' Nom de
département : ' || v_depart.department_name);
        for v_emp_id in c_emp_id(v_num_depart,120) loop
            DBMS_OUTPUT.PUT_LINE(' ' || v_emp_id.last_name || ', '
|| v_emp_id.job_id || ', ' || v_emp_id.hire_date || ', '
|| v_emp_id.salary );
        end loop;
        DBMS_OUTPUT.PUT_LINE('-----');
    end if;
end loop;
END;
```