TP1- Partie2 :

1)

a) i-

declare

moyenne number := 0;

begin

for i in (select department\_id, employee\_id, last\_name from employees) loop

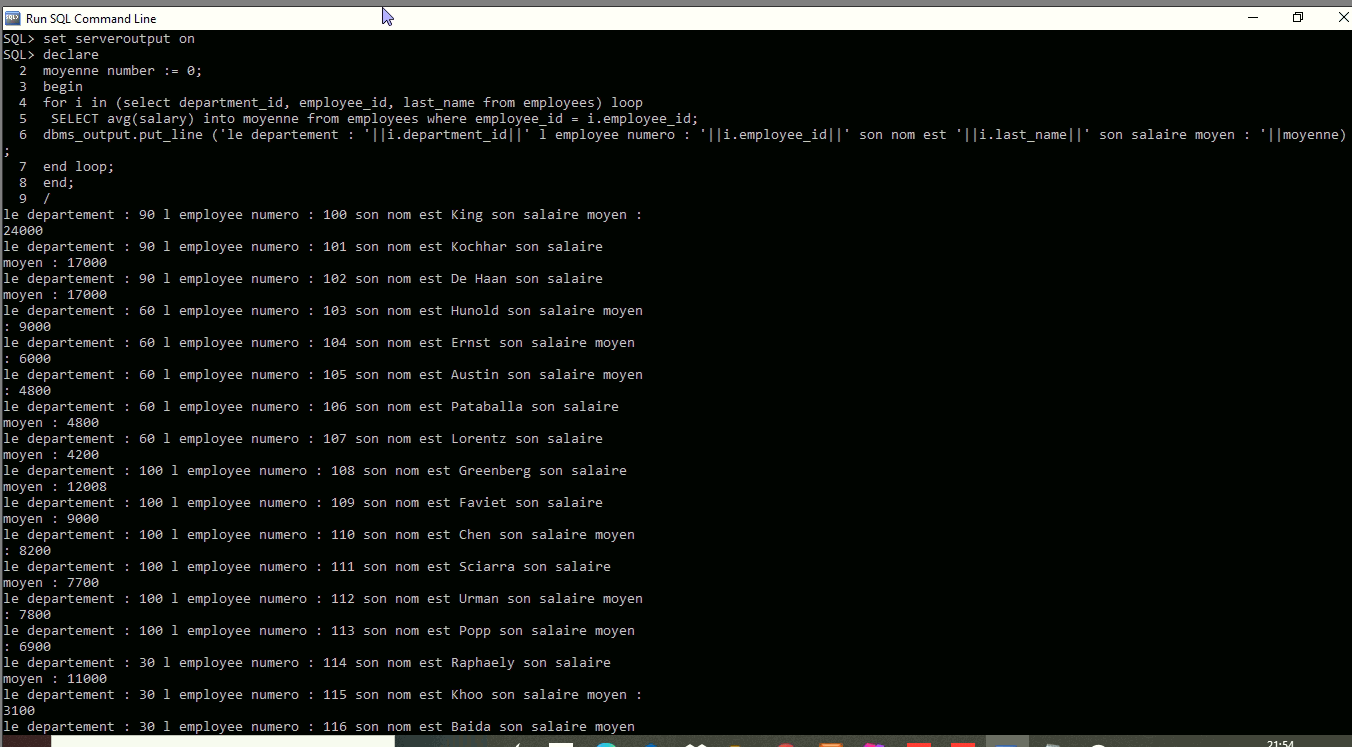
SELECT avg(salary) into moyenne from employees where employee\_id = i.employee\_id;

dbms\_output.put\_line ('le departement : '||i.department\_id||' l employee numero : '||i.employee\_id||' son nom est '||i.last\_name||' son salaire moyen : '||moyenne);

end loop;

end;

/



ii-

Declare

Cursor c is (SELECT department\_id, employee\_id, last\_name from employees);

departement employees.department\_id%Type;

identifiant employees.employee\_id%Type;

nom employees.last\_name%Type;

moyenne number := 0;

Begin

open c;

loop

fetch c into departement, identifiant, nom;

SELECT avg(salary) into moyenne from employees where employee\_id = identifiant;

exit when c%notfound;

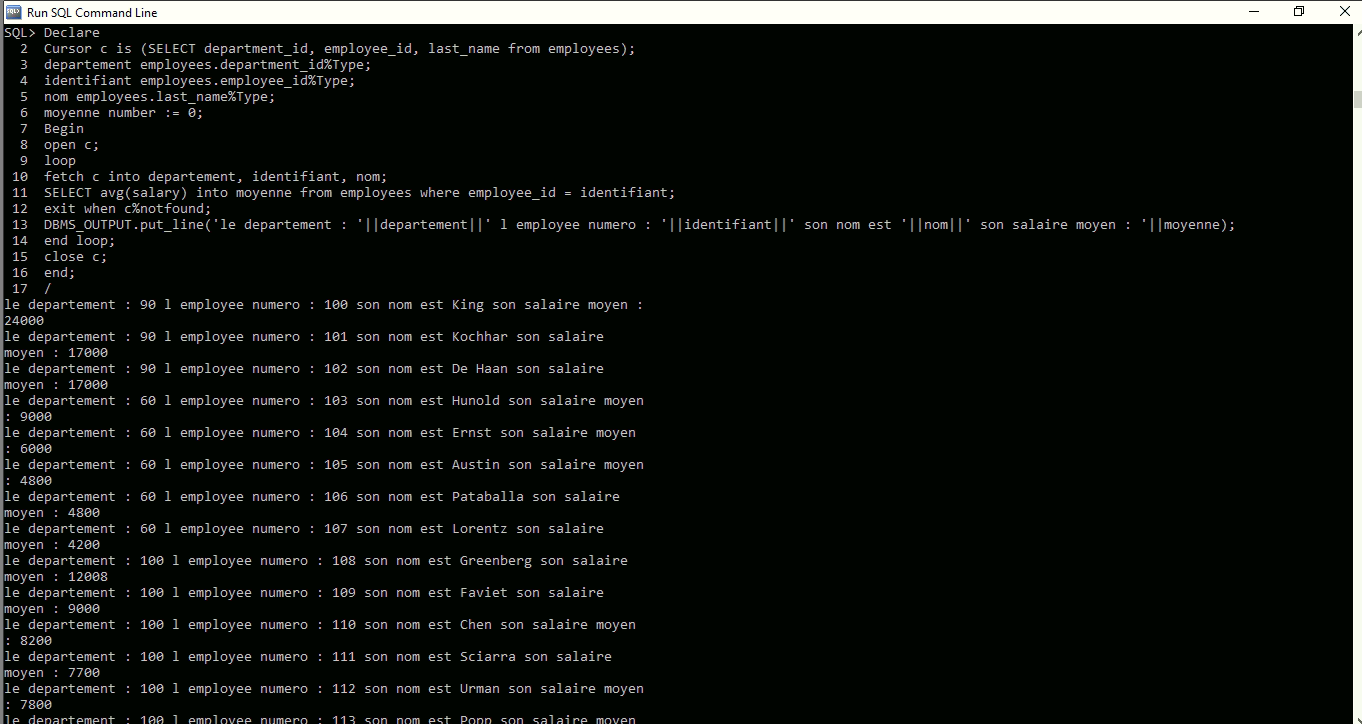
DBMS\_OUTPUT.put\_line('le departement : '||departement||' l employee numero : '||identifiant||' son nom est '||nom||' son salaire moyen : '||moyenne);

end loop;

close c;

end;

/



b)

declare

cursor c is (select distinct department\_id from employees);

departement employees.department\_id%Type;

nombre\_emp number := 0;

Begin

open c;

loop

fetch c into departement;

SELECT count(\*) into nombre\_emp from employees where department\_id = departement;

exit when c%notfound;

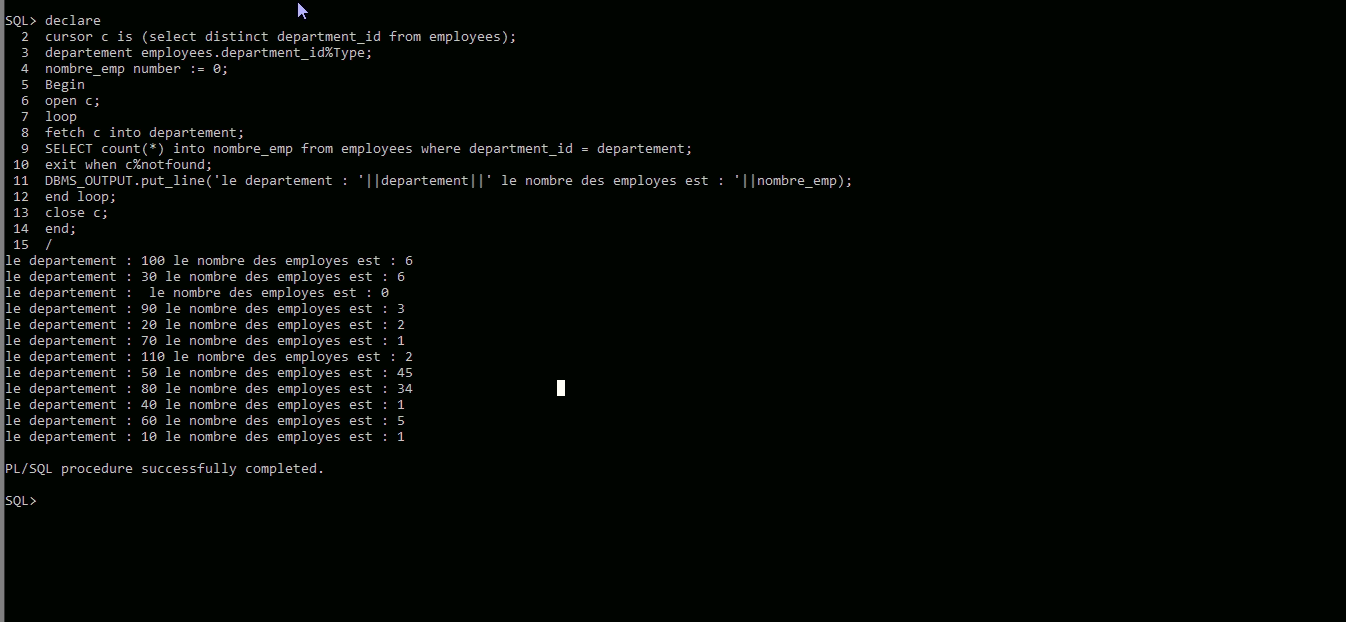
DBMS\_OUTPUT.put\_line('le departement : '||departement||' le nombre des employes est : '||nombre\_emp);

end loop;

close c;

end;

/



c-

declare

cursor c is (select department\_id, first\_name from employees);

departement employees.department\_id%Type;

nom employees.first\_name%Type;

nombre\_emp number := 0;

Begin

open c;

loop

fetch c into departement, nom;

SELECT count(\*) into nombre\_emp from employees where department\_id = departement;

exit when c%notfound;

IF nombre\_emp > 20 THEN

DBMS\_OUTPUT.put\_line('le departement est '||departement||' l employe est '||nom);

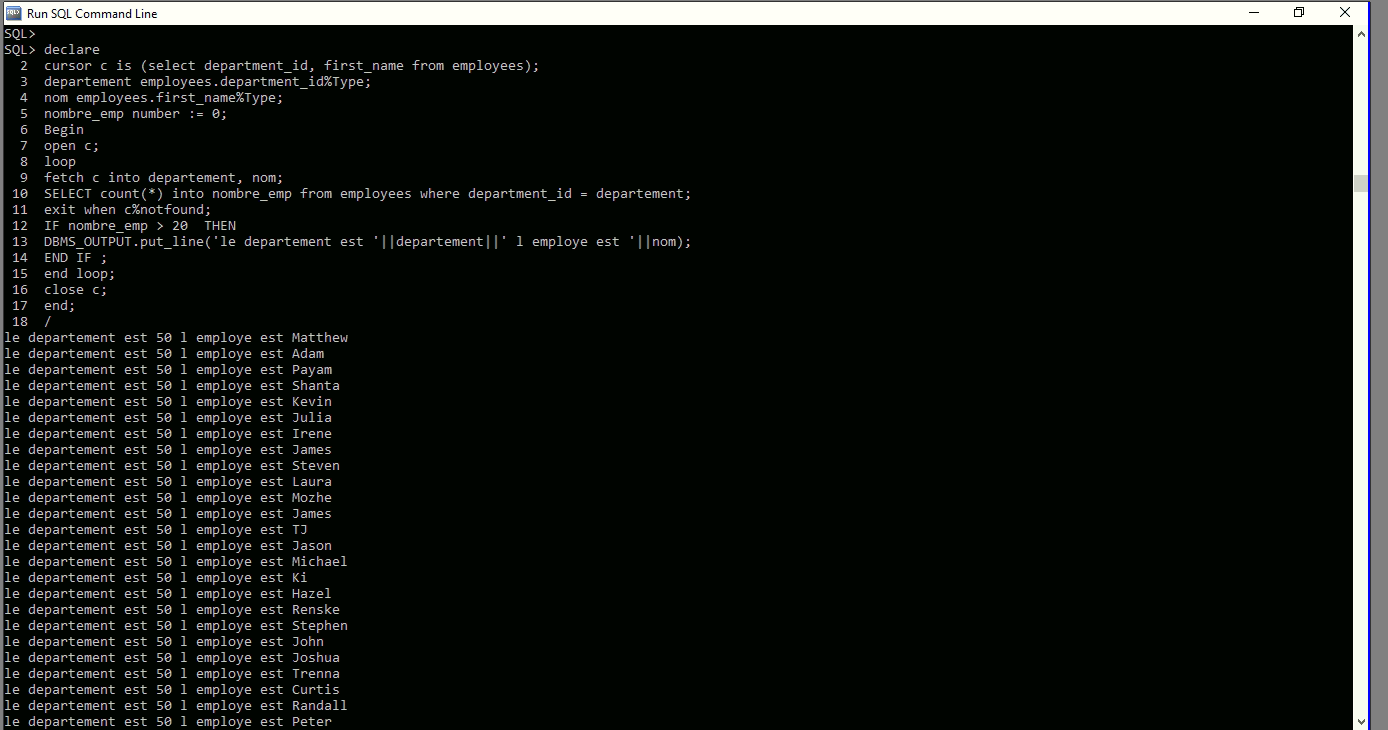
END IF ;

end loop;

close c;

end;

/



d)

declare

cursor c(d number) is (select employee\_id, first\_name, last\_name from employees where employee\_id = d);

prenom employees.first\_name%Type;

nom employees.last\_name%Type;

begin

for i in c(101) loop

select first\_name, last\_name into prenom,nom from employees WHERE manager\_id = 101;

DBMS\_OUTPUT.put\_line('le manager est '||i.last\_name||' '||i.first\_name||' son employe est '||nom||' '||prenom);

end loop;

end;

/

2)

DECLARE

ddl\_qry VARCHAR2 (150);

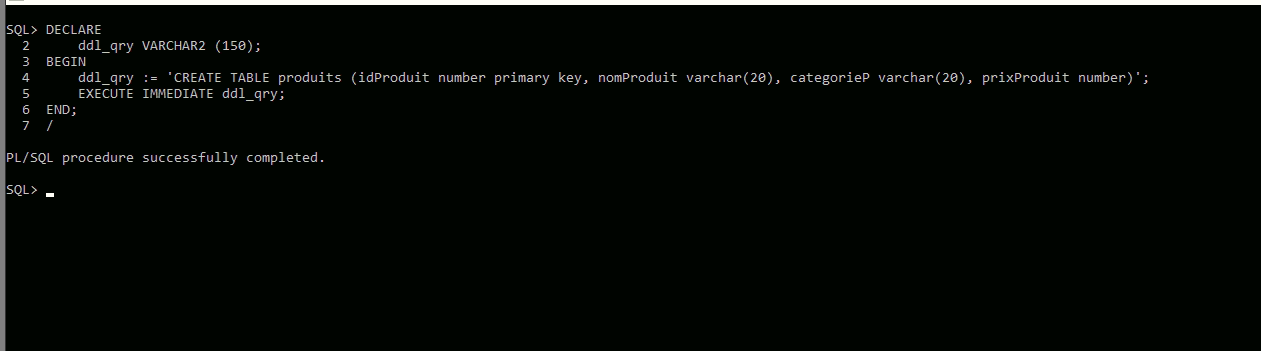
BEGIN

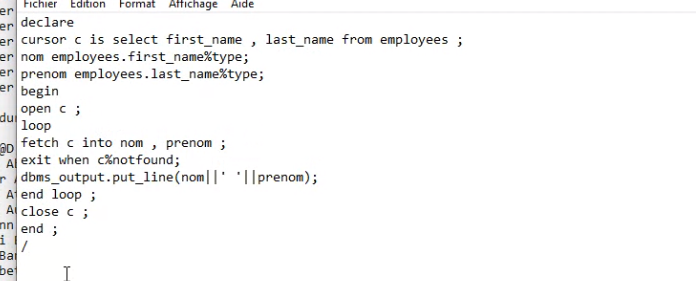
ddl\_qry := 'CREATE TABLE produits (idProduit number primary key, nomProduit varchar(20), categorieP varchar(20), prixProduit number)';

EXECUTE IMMEDIATE ddl\_qry;

END;

/





Explicite

Implicite (sans declare)

