**Nadrani Oussama**

**TP1 : Base de données**

**Exercice1 :**

**1) Creation de tableau**

**2) pl/sql**

DECLARE

v\_num NUMBER(4,2);

v\_Mont NUMBER(6,2);

v\_sold NUMBER(7,2);

BEGIN

v\_Mont := 2500;

SELECT max(NUM\_OPERATION) INTO v\_num FROM BUDGET;

SELECT SOLDE INTO v\_sold FROM BUDGET WHERE NUM\_OPERATION=v\_num;

INSERT INTO BUDGET(NUM\_OPERATION, NOM\_OPERATION, CATEGORIE, DATE\_OPERATION, MONTANT, SOLDE)

VALUES (v\_num+1 ,'Courses' ,'Debit' ,to\_date('14-jan-2012'),v\_Mont, v\_sold - v\_Mont);

Exception When no\_data\_found then NULL;

END;

/

**Exercice2 :**

**1-**

CREATE TABLE COURSES( NUM\_OPERATION NUMBER (4,2) PRIMARY KEY,

NOM\_OPERATION VARCHAR2 (15),

CATEGORIE VARCHAR2 (10),

DATE\_OPERATION DATE ,

MONTANT NUMBER (6, 2),

SOLDE NUMBER (7, 2) );

**2-**

DECLARE

CURSOR cours is

SELECT \* FROM BUDGET WHERE NOM\_OPERATION='Courses';

BEGIN

FOR cour in cours

LOOP

INSERT INTO COURSES (NUM\_OPERATION,NOM\_OPERATION,CATEGORIE, DATE\_OPERATION,MONTANT,SOLDE)

VALUES (cour.NUM\_OPERATION,cour.NOM\_OPERATION,cour.CATEGORIE,cour.DATE\_OPERATION,cour.MONTANT

,cour.SOLDE);

-- execute;

END LOOP;

Exception

When no\_data\_found then

NULL;

END;

/

**Exercice3 :**

DECLARE

CURSOR TAB\_EUR is

SELECT \* FROM BUDGET WHERE DATE\_OPERATION>'01-jan-2012' ;

BEGIN

FOR row\_eur in TAB\_EUR LOOP

INSERT INTO BUDGET\_EURO (NUM\_OPERATION, NOM\_OPERATION, CATEGORIE, DATE\_OPERATION, MONTANT, SOLDE) VALUES (row\_eur.NUM\_OPERATION,row\_eur.NOM\_OPERATION,row\_eur.CATEGORIE,

row\_eur.DATE\_OPERATION,(row\_eur.MONTANT /11), row\_eur.SOLDE);

END LOOP;

END;

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**Exercice4 : (Synchronisation).**

**a-- Un curseur implicite.**

BEGIN

DELETE FROM Budget\_Seuil;

FOR row in (select num\_operation,date\_operation,montant from budget

where categorie='Debit' and montant >= 2000)

Loop

INSERT INTO Budget\_Seuil VALUES

(row.num\_operation, row.date\_operation, row.montant) ;

END Loop;

end;

/

**B-Un curseur paramétré.**

**Code :**

declare

num Number :=999;

Cursor budget\_Seuil(mont\_cr Number) is (select num\_operation,date\_operation,montant from budget

where categorie='Debit' and montant >=mont\_cr );

l budget\_Seuil%ROWTYPE;

begin

delete from Budget\_Seuil;

open budget\_Seuil(num) ;

Fetch budget\_Seuil into seuil;

while budget\_Seuil%Found Loop

INSERT INTO Budget\_Seuil VALUES

(seuil.Num\_operation,seuil.Date\_Operation,seuil.montant) ;

Fetch budget\_Seuil into seuil;

End Loop ;

Close budget\_Seuil;

end;

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