

[MEMO PL/SQL]

◆ Structure d'un Package

- Exemple d'une structure basique de Package (.pkb)

```
-----+
-- Titre           :   EXEMPLE_PKG_TEST.pkb
-- Package Body    :   EXEMPLE_PKG_TEST
-- Référence       :   < EXEMPLE_PKG_TEST.pks >
-----+

SET VERIFY OFF
WHENEVER SQLERROR EXIT FAILURE ROLLBACK;
WHENEVER OSERROR EXIT FAILURE ROLLBACK;

CREATE OR REPLACE PACKAGE BODY EXEMPLE_PKG_TEST
AS

-----+
-- Nom du programme      :   PROCEDURE_1
-----+

PROCEDURE PROCEDURE_1
( pv_ret_erreur          OUT NOCOPY VARCHAR2
, pn_code_ret            OUT NOCOPY NUMBER
, pn_identifiant         IN  VARCHAR2
) IS

    l_variable1          VARCHAR2(50);
    l_variable2          VARCHAR2(50);
    l_fichier             UTL_FILE.FILE_TYPE;

BEGIN

    ...

    COMMIT;

EXCEPTION
    WHEN OTHERS THEN
        ROLLBACK;
        pv_ret_erreur := SQLERRM;
        pn_code_ret := 1;

END PROCEDURE_1;

-----+
-- Fonction          :   FONCTION_1
-----+

FUNCTION FONCTION_1
( pvErrBuf            OUT NOCOPY VARCHAR2
, pnRetCode           OUT NOCOPY NUMBER
, pvNom               IN  VARCHAR2
) RETURN VARCHAR2 IS

BEGIN

    ...

    RETURN (donnée) ;

EXCEPTION
    WHEN OTHERS THEN
        pvErrBuf := SQLERRM;
        pnRetCode := 1;
        RETURN '';

END FONCTION_1;

END EXEMPLE_PKG_TEST;
/

EXIT;
```

◆ Condition(s)

- IF

```
IF condition_1 THEN
  (instruction_1)

ELSIF condition_N THEN
  (instruction_N)

ELSE
  (instruction_else)

END IF;
```

- CASE (simple)

```
CASE expression

  WHEN resultat_1 THEN
    (instruction_1)

  WHEN resultat_2 THEN
    (instruction_2)
  ...

  ELSE
    (instruction_else)

END CASE;
```

- CASE (recherché)

```
CASE

  WHEN expression_1 THEN
    (instruction_1)

  WHEN expression_2 THEN
    (instruction_2)
  ...

  ELSE
    (instruction_else)

END CASE;
```