**Trigger**

- Types: Ordre & Ligne.

* Trigger Ordre:

type\_interposition: BEFORE, AFTER.

Formule:

CREATE TRIGGER nom\_du\_trigger

type\_interposition type\_ordre

ON nom\_de\_la\_table

type\_interposition: BEFORE, AFTER

type\_ordre: INSERT, UPDATE, DELETE, type\_ordre OR type\_ordre, UPDATE OF liste\_de\_colonnes

Exemple :

*-- Exemple (Oracle)*

CREATE TRIGGER tg\_modifInterdit

AFTER UPDATE OF prix, qte ON vente

BEGIN

raise\_application\_error(-9998, 'Modification interdite');

END;

* Trigger Ligne (FOR EACH ROW):

type\_interposition: BEFORE, AFTER, INSTEAD OF.

Formule:

*-- Trigger Ligne (FOR EACH ROW)*

CREATE TRIGGER nom\_du\_trigger type\_interposition type\_ordre ON nom\_de\_la\_table

FOR EACH ROW

<action>

Exemple :

*-- Exemple (Oracle)*

CREATE TRIGGER tg\_nouvVente AFTER INSERT ON vente

FOR EACH ROW

BEGIN

if :new.qte > (select qte from Stock where gencod = :new.gencod)

then raise\_application\_error(-9997, 'Stock insufisant');

else update Stock set qte := Stock.qte - :new.qte

where gencod = :new.gencod;

END;

[BEFORE, AFTER, INSTEAD OF] 🡺 can be used on (INSERT, UPDATE, DELETE).

(Oracle) **:new** et **:old**

(SQL3) Déclaration exiplicite:

REFERENCING OLD AS **variable\_avant** NEW AS **variable\_apres**