simplified version:

DECLARE

**USED\_QUANTITY NUMBER(10);**

**INV\_NUMBER NUMBER(10);**

**ING\_NUMBER NUMBER(10);**

*---for reducing the used inventory quantity*

SELECT COUNT(ING\_ID) INTO **ING\_NUMBER**  
FROM(  
SELECT INGREDIENT.ING\_ID  
FROM DETAIL, INGREDIENT  
WHERE DETAIL.PRODUCT\_ID = INGREDIENT.PRODUCT\_ID AND DETAIL\_ID = New\_DETAIL\_ID

GROUP BY INGREDIENT.ING\_ID);

FOR i IN 1..**ING\_NUMBER**

LOOP

SELECT Y\*Q , INVENTORY\_ID

INTO **USED\_QUANTITY**, **INV\_NUMBER**

FROM(  
SELECT INVENTORY.INVENTORY\_ID, DETAIL\_QUANTITY AS Y, ING\_QUANTITY AS Q,**ROWNUM RN**FROM DETAIL, INGREDIENT,INVENTORY  
WHERE DETAIL.PRODUCT\_ID = INGREDIENT.PRODUCT\_ID

AND INVENTORY.INVENTORY\_ID = INGREDIENT.INVENTORY\_ID

AND DETAIL\_ID = New\_DETAIL\_ID

GROUP BY INVENTORY.INVENTORY\_ID, DETAIL\_QUANTITY, ING\_QUANTITY,ROWNUM)

**WHERE RN = i;**

UPDATE INVENTORY

SET INVENTORY\_QUANTITY = INVENTORY\_QUANTITY - **USED\_QUANTITY**

WHERE INVENTORY\_ID = **INV\_NUMBER**;

END LOOP;

DECLARE

*---for checking which product is stock out*

*---FLOOR(X) ROUND DOWN FUNCTION*

SELECT INVENTORY\_QUANTITY