DECLARE

LOVReturnValue BOOLEAN;

PRO\_ID NUMBER(10);

PRO\_NAME VARCHAR2(100);

ING\_Q NUMBER(10);

INV\_Q NUMBER(10);

i NUMBER(10);

ING\_NUMBER NUMBER(10);

BEGIN

LOVReturnValue := SHOW\_lov('LOV494');

-- HANDLING THE SOLD OUT PRODUCT

GO\_BLOCK('QUANTITY\_S');

SELECT Count(ING\_ID) INTO ING\_NUMBER

FROM(

SELECT INGREDIENT.ING\_ID

FROM PRODUCT, INGREDIENT , INVENTORY

WHERE PRODUCT.PRODUCT\_ID = INGREDIENT.PRODUCT\_ID AND INVENTORY.INVENTORY\_ID = INGREDIENT.INVENTORY\_ID AND PRODUCT\_NAME = :QUANTITY\_S.PRODUCT\_NAME

GROUP BY INGREDIENT.ING\_ID);

--MESSAGE(ING\_NUMBER);

FOR i IN 1..ING\_NUMBER

LOOP

SELECT PRODUCT\_ID,PRODUCT\_NAME,INVENTORY\_QUANTITY, ING\_QUANTITY

INTO PRO\_ID, PRO\_NAME, INV\_Q, ING\_Q

FROM(

SELECT PRODUCT.PRODUCT\_ID, PRODUCT\_NAME,INVENTORY\_QUANTITY, ING\_QUANTITY,ROWNUM RN

FROM PRODUCT, INGREDIENT , INVENTORY

WHERE PRODUCT.PRODUCT\_ID = INGREDIENT.PRODUCT\_ID

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

AND PRODUCT\_NAME = :QUANTITY\_S.PRODUCT\_NAME

GROUP BY PRODUCT.PRODUCT\_ID, PRODUCT\_NAME, INVENTORY\_QUANTITY, ING\_QUANTITY,ROWNUM

ORDER BY RN)

WHERE RN = i;

forms\_ddl('Commit');

--MESSAGE(INV\_Q||ING\_Q||i);

IF (INV\_Q - ING\_Q) < 0 THEN

message(PRO\_NAME||' has been sold out, please choose another. Thank you.');

:QUANTITY\_S.Product\_Name := NULL;

:QUANTITY\_S.DETAIL\_TEMPERATURE := NULL;

:QUANTITY\_S.DETAIL\_COLDNESS := NULL;

:QUANTITY\_S.DETAIL\_SWEETNESS := NULL;

RAISE FORM\_TRIGGER\_FAILURE;

END IF;

END LOOP;

END;

\*\*\* two user???

Assumption: only one user

-concurrency problem?

-payment check again!!!

table: Temporary inventory