BEGIN

GO\_BLOCK('TOP\_5\_PRODUCT');

END;

DECLARE

i number(10);

COUNTROW NUMBER(10);

BEGIN

CLEAR\_BLOCK(no\_validate);

GO\_BLOCK('TOP\_5\_PRODUCT');

i:=1;

SELECT Count(\*) INTO COUNTROW FROM(

SELECT PRO\_ID, PRO\_NAME, PROD\_TYPE,TOTAL\_SALES,RN

FROM( SELECT DISTINCT PRO\_ID, PRO\_NAME, PROD\_TYPE,TOTAL\_SALES,ROWNUM RN

FROM(

SELECT DETAIL.PRODUCT\_ID PRO\_ID, PRODUCT\_NAME PRO\_NAME, PRODUCT\_TYPE PROD\_TYPE, SUM(DETAIL\_QUANTITY) TOTAL\_SALES

FROM DETAIL, PRODUCT

WHERE DETAIL.PRODUCT\_ID = PRODUCT.PRODUCT\_ID

GROUP BY DETAIL.PRODUCT\_ID,PRODUCT.PRODUCT\_NAME, PRODUCT.PRODUCT\_TYPE

ORDER BY TOTAL\_SALES DESC)));

GO\_BLOCK('TOP\_5\_PRODUCT');

FIRST\_RECORD;

IF COUNTROW <5 THEN

FOR i in 1..COUNTROW

LOOP

SELECT PRO\_ID, PRO\_NAME, PROD\_TYPE,TOTAL\_SALES,RN

INTO :TOP\_5\_PRODUCT.PRODUCT\_ID,

:TOP\_5\_PRODUCT.PRODUCT\_NAME,

:TOP\_5\_PRODUCT.PRODUCT\_TYPE,

:TOP\_5\_PRODUCT.PRODUCT\_SALES,

:TOP\_5\_PRODUCT.RANK\_TB

FROM( SELECT DISTINCT PRO\_ID, PRO\_NAME, PROD\_TYPE,TOTAL\_SALES,ROWNUM RN

FROM(

SELECT DETAIL.PRODUCT\_ID PRO\_ID, PRODUCT\_NAME PRO\_NAME, PRODUCT\_TYPE PROD\_TYPE, SUM(DETAIL\_QUANTITY) TOTAL\_SALES

FROM DETAIL, PRODUCT

WHERE DETAIL.PRODUCT\_ID = PRODUCT.PRODUCT\_ID

GROUP BY DETAIL.PRODUCT\_ID,PRODUCT.PRODUCT\_NAME, PRODUCT.PRODUCT\_TYPE

ORDER BY TOTAL\_SALES DESC))

WHERE RN = i;

NEXT\_RECORD;

END LOOP;

ELSIF COUNTROW >= 5 THEN

FOR i in 1..5

LOOP

SELECT PRO\_ID, PRO\_NAME, PROD\_TYPE,TOTAL\_SALES,RN

INTO :TOP\_5\_PRODUCT.PRODUCT\_ID,

:TOP\_5\_PRODUCT.PRODUCT\_NAME,

:TOP\_5\_PRODUCT.PRODUCT\_TYPE,

:TOP\_5\_PRODUCT.PRODUCT\_SALES,

:TOP\_5\_PRODUCT.RANK\_TB

FROM( SELECT DISTINCT PRO\_ID, PRO\_NAME, PROD\_TYPE,TOTAL\_SALES,ROWNUM RN

FROM(

SELECT DETAIL.PRODUCT\_ID PRO\_ID, PRODUCT\_NAME PRO\_NAME, PRODUCT\_TYPE PROD\_TYPE, SUM(DETAIL\_QUANTITY) TOTAL\_SALES

FROM DETAIL, PRODUCT

WHERE DETAIL.PRODUCT\_ID = PRODUCT.PRODUCT\_ID

GROUP BY DETAIL.PRODUCT\_ID,PRODUCT.PRODUCT\_NAME, PRODUCT.PRODUCT\_TYPE

ORDER BY TOTAL\_SALES DESC))

WHERE RN = i;

NEXT\_RECORD;

END LOOP;

END IF;

FIRST\_RECORD;

GO\_BLOCK('TOP\_5\_PRODUCT');

END;