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CS275 PL/SQL

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CS275 Direct Assignment 6

**Scripts:**

CREATE OR REPLACE PROCEDURE HANDLE\_PURCHASES

IS

CURSOR PURCHASE\_CUR IS

(SELECT SUM(LINE\_ITEM.LINE\_ITEM\_QUANTITY) AS QUANTITY,

LINE\_ITEM.FK\_PRODUCT\_ID AS PRODUCT\_ID, PRODUCT.PRODUCT\_NAME, PRODUCT.PRODUCT\_PRICE, PRODUCT.PRODUCT\_COST

FROM PURCHASE

JOIN LINE\_ITEM ON LINE\_ITEM.FK\_PURCHASE\_ID = PURCHASE.PURCHASE\_ID

JOIN PRODUCT ON LINE\_ITEM.FK\_PRODUCT\_ID = PRODUCT.PRODUCT\_ID

GROUP BY LINE\_ITEM.FK\_PRODUCT\_ID, PRODUCT.PRODUCT\_NAME, PRODUCT.PRODUCT\_PRICE, PRODUCT.PRODUCT\_COST);

TOTAL\_SALES\_COST NUMBER := 0;

TOTAL\_SALES\_PRICE NUMBER := 0;

BEGIN

FOR PURCHASE\_REC IN PURCHASE\_CUR

LOOP

-- INCREMENT RUNNING COUNTERS

TOTAL\_SALES\_COST := TOTAL\_SALES\_COST + (PURCHASE\_REC.PRODUCT\_COST \* PURCHASE\_REC.QUANTITY);

TOTAL\_SALES\_PRICE := TOTAL\_SALES\_PRICE + (PURCHASE\_REC.PRODUCT\_PRICE \* PURCHASE\_REC.QUANTITY);

-- UPDATE PRODUCT INVENTORY

UPDATE\_PRODUCT\_INV(PURCHASE\_REC.QUANTITY, PURCHASE\_REC.PRODUCT\_ID);

-- PRINT SALES VALUES

DBMS\_OUTPUT.PUT\_LINE(PURCHASE\_REC.PRODUCT\_NAME || ' GARNERED ' ||

TO\_CHAR(PURCHASE\_REC.PRODUCT\_PRICE \* PURCHASE\_REC.QUANTITY,'L999G999D99') || ' IN RETAIL REVENUE');

DBMS\_OUTPUT.PUT\_LINE('THE SOLD ITEMS COSTED THE RETAILER ' || TO\_CHAR(PURCHASE\_REC.PRODUCT\_COST \* PURCHASE\_REC.QUANTITY,'L999G999D99'));

DBMS\_OUTPUT.PUT\_LINE('-------------------------------------');

END LOOP;

DBMS\_OUTPUT.PUT\_LINE('TOTAL SALES COST WAS ' || TOTAL\_SALES\_COST);

DBMS\_OUTPUT.PUT\_LINE('TOTAL RETAIL REVENUE WAS ' || TOTAL\_SALES\_COST);

END HANDLE\_PURCHASES;

CREATE OR REPLACE PROCEDURE UPDATE\_PRODUCT\_INV

(QUANTITY\_ARG IN NUMBER,

PRODUCT\_ID\_ARG IN VARCHAR2)

IS

BEGIN

UPDATE INVENTORY

SET INVENTORY.QUANTITY\_ON\_HAND = INVENTORY.QUANTITY\_ON\_HAND - QUANTITY\_ARG

WHERE INVENTORY.FK\_PRODUCT\_ID = PRODUCT\_ID\_ARG;

END UPDATE\_PRODUCT\_INV;

EXEC HANDLE\_PURCHASES;

**Screenshots:** 





