

```
*&-----*
*& Report  ZAP_CONTROL_BREAK_STATEMENTS
*&-----*
*& AURTHOR : PAVAN RAJENDRA GOLESAR
*& DATED   : 28TH March 2015
*& SUBJECT : Control Break Statements
*&-----*
```

REPORT ZAP_CONTROL_BREAK_STATEMENTS NO STANDARD PAGE HEADING.

*-- LOCAL STRUCTURE

```
TYPES: BEGIN OF TY_TAB,
        CODE(4) TYPE C ,
        QUAN TYPE I ,
        AMNT TYPE I ,
        END OF TY_TAB.
```

*-- DATA OBJECTS

```
DATA: GT_TAB TYPE STANDARD TABLE OF TY_TAB , "INTERNAL TABLE
      GS_TAB LIKE LINE OF GT_TAB.           "WORK AREA BASED ON LINE OF INTERNAL TABLE
```

*-- LOCAL VARIABLES

```
DATA: TOT_QUAN  TYPE I ,
      TOT_AMT   TYPE I ,
      GRAND_QUAN TYPE I ,
      GRAND_AMNT TYPE I.
```

*-- MODULARIZATION OF CODE

```
PERFORM CLEANER.
PERFORM PROCESSOR.
PERFORM DISPLAYER.
```

```
*&-----*
*&      Form  CLEANER
*&-----*
*      CLEAR CONTENTS OF TABLE AND WORK AREA
*-----*
```

FORM CLEANER .

*-- CLEAN CONTENTS

```
REFRESH GT_TAB.
CLEAR GS_TAB.
```

ENDFORM. " CLEANER

```
*&-----*
*&      Form  PROCESSOR
*&-----*
*      MAPPING LOGIC
*-----*
```

FORM PROCESSOR .

```
GS_TAB-CODE = 'F001'.
GS_TAB-QUAN = 100.
GS_TAB-AMNT = 10.
APPEND GS_TAB TO GT_TAB.
```

```
GS_TAB-CODE = 'F001'.
```

```

GS_TAB-QUAN = 200.
GS_TAB-AMNT = 20.
APPEND GS_TAB TO GT_TAB.

GS_TAB-CODE = 'F002'.
GS_TAB-QUAN = 500.
GS_TAB-AMNT = 50.
APPEND GS_TAB TO GT_TAB.

GS_TAB-CODE = 'F001'.
GS_TAB-QUAN = 300.
GS_TAB-AMNT = 30.
APPEND GS_TAB TO GT_TAB.

GS_TAB-CODE = 'F003'.
GS_TAB-QUAN = 700.
GS_TAB-AMNT = 70.
APPEND GS_TAB TO GT_TAB.

GS_TAB-CODE = 'F002'.
GS_TAB-QUAN = 500.
GS_TAB-AMNT = 50.
APPEND GS_TAB TO GT_TAB.

ENDFORM.                " PROCESSOR
*&-----*
*&      Form  DISPLAYER
*&-----*
*      CONTROL BREAK KEYWORDS IN ACTION
*-----*
FORM DISPLAYER .

*-- TO USE CONTROL BREAK STATEMENTS ITS MANDATORY TO SORT INTERNAL TABLE FIRST AND THEN US
SORT GT_TAB BY CODE.

CLEAR GS_TAB.          "CLEAR WORK AREA JUST FOR MAKING SURE ITS EMPTY BEFORE USE.

LOOP AT GT_TAB INTO GS_TAB.

GRAND_QUAN = GS_TAB-QUAN + GRAND_QUAN.    "GRAND TOTAL
GRAND_AMNT = GS_TAB-AMNT + GRAND_AMNT.
TOT_QUAN   = GS_TAB-QUAN + TOT_QUAN.      " INDIVIDUAL CODE TOTAL
TOT_AMT    = GS_TAB-AMNT + TOT_AMT.

AT FIRST.             "TRIGGERED FOR ONLY FIRST LOOP PASS

FORMAT COLOR 5 INTENSIFIED OFF INVERSE ON.

WRITE:/60 TEXT-001.   "DECLARE TEXT SYMBOL 001 Materials Details Report

SKIP 1. "MAKE A BLANK LINE SPACE IN LIST

FORMAT COLOR OFF INVERSE OFF.

ENDAT.

```

```

AT NEW CODE.  "TRIGGERED FOR EVERY NEW <FIELD> ENCOUNTERED

FORMAT COLOR COL_GROUP INVERSE ON.
SKIP 1.
WRITE:/35 TEXT-002, GS_TAB-CODE.  "DECLARE TEXT SYMBOL 002 AS Material Code is:

FORMAT COLOR OFF INVERSE OFF.

ENDAT.

WRITE:/55 GS_TAB-QUAN,
      65 GS_TAB-AMNT.

AT END OF CODE.  "TRIGGERED FOR ONLY LAST RECORD FOR THAT <FIELD>

WRITE:/46 TEXT-003, TOT_QUAN LEFT-JUSTIFIED.  "DECLARE TEXT SYMBOL 003 AS
WRITE:/46 TEXT-004, TOT_AMT LEFT-JUSTIFIED UNDER TOT_QUAN."DECLARE TEXT SYMBOL 004

CLEAR: TOT_QUAN, TOT_AMT.

ENDAT.

AT LAST.  "TRIGGERED FOR ONLY LAST LOOP PASS
SKIP 2.
WRITE:/35 TEXT-005, GRAND_QUAN.  "DECLARE TEXT SYMBOL 005 Grand Quantity Total:
WRITE:/35 TEXT-006, GRAND_AMNT.  "DECLARE TEXT SYMBOL 006 Grand Amount Total:

ENDAT.

ENDLOOP.

ENDFORM.  " DISPLAYER

```

Align the digits to left side in column

Print Exactly below TOT_QUAN to save time playing with alignment

Kindly make code look better by using text symbols instead of hard coding it directly here.

Enjoy Coding @ abaper.weebly.com
 Regards: Pavan Golesar
 sapparamount@gmail.com
 COEP, Pune
 INDIA



A20(1)/100 Sample Control Break Statement Demo by Pavan Golesar

Sample Control Break Statement Demo by Pavan Golesar

Materials Details Report

Material Code is: F001	100	10
	200	20
	300	30
Total Quantity:	600	
Total Amount:	60	
Material Code is: F002	500	50
	500	50
Total Quantity:	1,000	
Total Amount:	100	
Material Code is: F003	700	70
Total Quantity:	700	
Total Amount:	70	
Grand Quantity Total:	2,300	
Grand Amount Total:	230	