

CONTROL BREAK 2

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IDENTIFICATION DIVISION.
PROGRAM-ID. CB2.
AUTHOR. 62160246.

ENVIRONMENT DIVISION.
INPUT-OUTPUT SECTION.
FILE-CONTROL.
    SELECT INPUT1-FILE ASSIGN TO "input2.txt"
    ORGANIZATION IS LINE SEQUENTIAL.

DATA DIVISION.
FILE SECTION.
FD INPUT1-FILE.
01 INPUT1-BUFFER.
    88 END-OF-INPUT1-FILE          VALUE HIGH-VALUES.
05 COL-A                          PIC X(2).
05 COL-B                          PIC X(2).
05 COL-COUNT                      PIC 9(3).

WORKING-STORAGE SECTION.
01 TOTAL                          PIC 9(4)  VALUE ZEROS.
01 COL-A-TOTAL                    PIC 9(4).
01 COL-A-PROCESSING               PIC X(2).
01 COL-B-TOTAL                    PIC 9(4).
01 COL-B-PROCESSING               PIC X(2).
01 RPT-HEADER.
    05 FILLER                      PIC X(4)  VALUE "  A ".
    05 FILLER                      PIC X(4)  VALUE SPACES.
    05 FILLER                      PIC X(4)  VALUE "  B ".
    05 FILLER                      PIC X(4)  VALUE SPACES.
    05 FILLER                      PIC X(7)  VALUE "  TOTAL".
01 RPT-ROW.
    05 RPT-COL-A                   PIC BBX(2).
    05 FILLER                      PIC X(5)  VALUE SPACES.
    05 RPT-COL-B                   PIC BBX(2).
    05 FILLER                      PIC X(5)  VALUE SPACES.
    05 RPT-COL-TOTAL               PIC ZZ9.
01 RPT-A-TOTAL-ROW.
    05 FILLER                      PIC X(7)  VALUE "          ".
    05 FILLER                      PIC X(11) VALUE "  TOTAL: ".
    05 RPT-A-TOTAL                 PIC ZZ9.
01 RPT-FOOTER.
    05 FILLER                      PIC X(9)  VALUE "  TOTAL:".
    05 RPT-TOTAL                   PIC ZZ9.

PROCEDURE DIVISION.
BEGIN.
    OPEN INPUT INPUT1-FILE
    DISPLAY RPT-HEADER
    PERFORM READ-LINE
    PERFORM PROCEDURE-COL-A UNTIL END-OF-INPUT1-FILE
    MOVE TOTAL TO RPT-TOTAL
    DISPLAY RPT-FOOTER
    CLOSE INPUT1-FILE
    GOBACK
.

PROCEDURE-COL-A.
    MOVE COL-A TO COL-A-PROCESSING
    MOVE COL-A-PROCESSING TO RPT-COL-A
    MOVE ZEROS TO COL-A-TOTAL
    PERFORM PROCEDURE-COL-B UNTIL COL-A NOT = COL-A-PROCESSING
    MOVE COL-A-TOTAL TO RPT-A-TOTAL
    DISPLAY RPT-A-TOTAL-ROW
.

PROCEDURE-COL-B.
    MOVE COL-B TO COL-B-PROCESSING
    MOVE COL-B-PROCESSING TO RPT-COL-B
    MOVE ZEROS TO COL-B-TOTAL
    PERFORM PROCEDURE-LINE UNTIL COL-B NOT = COL-B-PROCESSING
        OR COL-A NOT = COL-A-PROCESSING
    MOVE COL-B-TOTAL TO RPT-COL-TOTAL
    DISPLAY RPT-ROW
    MOVE SPACES TO RPT-COL-A, RPT-COL-B
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input2.txt

1	A1B1001
2	A1B1001
3	A1B1002
4	A1B2001
5	A1B2001
6	A1B3002
7	A1B3001
8	A1B3001
9	A1B3002

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READ-LINE.
    READ INPUT1-FILE
    AT END
        SET END-OF-INPUT1-FILE TO TRUE
    END-READ
.
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