THIS SUBROUTINE SCANS AN INPUT FIELD (DISPLAY FORMAT) TO VERIFY THAT ALL CHARACTERS ARE FILLED (NO LEADING, TRAILING, OR EMBEDDED BLANKS).

NONE OF THE INITIALIZED VARIABLES ARE CHANGED DURING THE ROUTINE’S EXECUTION AND THERE ARE NO INTERNAL DATA FIELDS. ALL MANIPULATION IS DONE THROUGH REGISTERS. THE ROUTINE IS COMPLETELY REENTRANT.

TWO FIELDS ARE PASSED AS PARAMETERS TO THE ROUTINE:

1. A FIELD OF VARYING LENGTH CONTAINING THE INPUT DATA, AND
2. A 2 BYTE FIELD (IN BINARY FORMAT) CONTAINING THE LENGTH OF THE FIRST FIELD PASSED.

SUGGESTED CALLING SYNTAX FOR ALC CALLERS:

CALL IFMTFILL,(INFIELD,INLENGTH)

SUGGESTED CALLING SYNTAX FOR COBOL CALLERS:

01 INPUT-FIELD PIC X(12) VALUE 'ABCDEF-12345'.
01 INPUT-FIELD-LENGTH PIC S9(4) COMP VALUE 12.

CALL 'IFMTFILL' USING INPUT FIELD, INPUT-FIELD-LENGTH.

POSSIBLE RETURN CODE VALUES:
0 - NO BLANK CHARACTERS FOUND WITHIN FIELD
8 - BLANK CHARACTER(S) FOUND WITHIN FIELD

**END**
SR R15,R15                  ASSUME RETURN CODE OF ZERO
LH LGTHREG,0,0,LGTHREG     GET LENGTH OF INPUT FIELD
LTR LGTHREG,LGTHREG        IS INPUT FIELD LENGTH ZERO?
BZ RETURN                   IF YES, RETURN TO CALLER

BCTR LGTHREG,0              DECREASE BY 1 FOR EXECUTE
EX LGTHREG,FINDBL           SCAN FOR BLANK
BZ RETURN                   IF NO BLANKS FOUND

* IF ANY BLANKS WERE FOUND, RETURN CODE IS SET TO "8"
* ERROR LA R15,8             RETURN CODE OF 8
* RETURN TO CALLING PROGRAM WITH RETURN CODE IN REGISTER 15
* RETURN (14,12),RC=(15)

FINDBL TRT 0(INREG),TABLEBL SCAN FOR BLANK CHARACTER

* ******************************************************************* *
* *************************** CONSTANTS ***************************** *
* ******************************************************************* *
TABLEBL DC 64X'00'
DC X'01'
DC 191X'00'
LTORG
EJECT

* ******************************************************************* *
* ***************************** EQUATES ***************************** *
* ******************************************************************* *
R0 EQU 0                    REGISTER 0
R1 EQU 1                    REGISTER 1
R2 EQU 2                    REGISTER 2
R3 EQU 3                    REGISTER 3
R4 EQU 4                    REGISTER 4
INREG EQU 5                 INPUT FIELD
LGTHREG EQU 6               INPUT FIELD LENGTH
R7 EQU 7                    REGISTER 7
R8 EQU 8                    REGISTER 8
R9 EQU 9                    REGISTER 9
R10 EQU 10                  REGISTER 10
R11 EQU 11                  REGISTER 11
BASE EQU 12                 BASE REGISTER
R13 EQU 13                  REGISTER 13
R14 EQU 14                  REGISTER 14
R15 EQU 15                  REGISTER 15
END