TITLE 'DEMO3.ASM' - 'CONSOLE READ DEMO3 CHARACTER MODE'

ORG USER +FWA

STL 'WRITTEN 01/23/79'

*** DEMO3.ASM - CONSOLE INPUT DEMO3 IN CHARACTER MODE.
***
** THIS IS A SIMPLE DEMONSTRATION PROGRAM THAT INPUTS CHARACTERS FROM
** THE CONSOLE, AND TYPES THEM BACK AGAIN.
**
** IF THE LAST CHARACTER YOU ENTERED CONTAINED A PERIOD ('.') THEN
** DEMO3 EXITS TO HDOS AFTER TYPING THE CHARACTER.

*** TO RUN THIS PROGRAM, TYPE THE FOLLOWING;
* (DO NOT TYPE COMMENTS IN PARENTHESES)
*
> RUN ASM
> DEMO3

> HI I'M DEMO3

> AABBCDD

> XXXX

> (DEMO3 EXITS TO THE OPERATING SYSTEM)

STL 'MAIN.PROGRAM'

ENTRY

XRA A
MVI B,0010h
CALL CONS

; LOOP. ECHOING LINES

ECHO SCALL SLIN
JCB ECHO NO CHARACTER YET
CPI '
JNE ECHO1 NOT PERIOD CHARACTER
STA ENDFLAG MAKE ENDFLAG NON-ZERO. (A./' Nicht IN FACT)
ECHO1 SCALL SCOUT TYPE CHARACTER BACK
LDA ENDFLAG
ANI A
JA ECHO STILL MORE TO GO

* HAVE SEEN './', WILL RETURN TO HDOS

XRA A
SCALL EXIT RETURN TO HDOS

DEMO3 DB 120, 'HI, I'M DEMO3!', 2120
ENDFLAG DB .R..>9 IF IN EXIT

END ENTRY