TITLE 'DEMO2:ASM' = 'CONSOLE READ DEMO; LINE; MODE'

EXIT DEMO
DB 'SUPERW

STL "WRITTEN 01/23/78"

*** DEMO2:ASM = 'CONSOLE INPUT DEMO; IN LINE; MODE'.
*** THIS IS A 'SIMPLE' DEMONSTRATION PROGRAM THAT 'INPUTS' LINES FROM
*** THE CONSOLE, AND TYPES THEM BACK AGAIN.
*** IF THE LAST LINE YOU ENTERED CONTAINED A PERIOD ('.'). THEN
*** DEMO2 'EXITS TO 'HDOS' AFTER 'TYPING' THE 'LINE'.

*** TO RUN THIS PROGRAM, TYPE THE FOLLOWING!
* (DO NOT TYPE 'COMMENTS' IN PARENTHESES)!

* >RUN 'ASM
* #DEMO2:TI=DEMO2 (WRITES LISTING TO CONSOLE)
* >RUN DEMO2
* HI, I'M DEMO2! (DEMO2 TYPES THIS)
* ABD (DEMO2 TYPES THIS)
* ABCD (DEMO2 TYPES THIS)
* IS 'ANYONE THERE'? (YOU TYPE 'THIS')
* IS ANYONE THERE? (DEMO2 TYPES THIS)
* BYE 'BYE', (YOU TYPE 'THIS)
* BYE 'BYE'! (DEMO2 TYPES THIS)
* STL 'MAIN PROGRAM'
* EJECT 'START A NEW PAGE'
* ENTRY LXI H+DEMOA EXECUTION STARTS HERE
* SCALL 'PRINT PRINT 'HI!' MESSAGE

* LOOP 'ECHOING 'LINES'

ECHO SCALL 'SCIN
J C ECHO NO CHARACTER YET
CPI -'.' ECHO NOT PERIOD CHARACTER
STA 'ENDFLAG MAKE ENDFLAG NON-ZERO 'A-.,.'. IN FACT'
ECHO1 SCALL 'SCOUT TYPE CHARACTER BACK
LXI 'ENDFLAG
MVI @ 'ECHO STILL MORE TO GO

* HAVE SEEN '.,' WILL RETURN TO HDOS

XRA @ SCALL 'EXIT RETURN TO HDOS

DEMOA DB 120,'HI, I'M DEMO2!'@2120
ENDFLAG DB '0' '0' IF TO 'EXIT'

'END' 'ENTRY