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.....
TITLE 'DEM02.ASM' - 'CONSOLE READ DEMO, LINE MODE'
XTEXT HDOS
ORG USERFWA
.....
STL 'WRITTEN 01/23/78'
.....
*** DEM02.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
* DEM02 EXITS TO HDOS AFTER TYPING THE LINE.
.....
*** TO RUN THIS PROGRAM, TYPE THE FOLLOWING:
* (DO NOT TYPE COMMENTS IN PARENTHESES)
*
* >RUN ASM
* *DEM02,TT:=DEM02 (WRITES LISTING TO CONSOLE)
* >RUN DEM02
* HI, I'M DEM02! (DEM02 TYPES THIS)
* ABCD (YOU TYPE THIS)
* ABCD (DEM02 TYPES THIS)
* IS ANYONE THERE? (YOU TYPE THIS)
* IS ANYONE THERE? (DEM02 TYPES THIS)
* BYE BYE. (YOU TYPE THIS)
* BYE BYE. (DEM02 TYPES THIS)
* > (DEM02 EXITS TO THE OPERATING SYSTEM)
.....
STL 'MAIN PROGRAM'
EJECT
ENTRY LXI H,DEMOA START A NEW PAGE
SCALL ,PRINT EXECUTION STARTS HERE
PRINT 'HI!' MESSAGE
.....
* LOOP ECHOING LINES
.....
ECHO SCALL ,SCIN
JC ECHO NO CHARACTER YET
CFI
JNE ECHO1 NOT PERIOD CHARACTER
STA ENDFLAG MAKE ENDFLAG NON-ZERO (A '?') IN FACT)
ECHO1 SCALL ,SCOUT TYPE CHARACTER BACK
LDA ENDFLAG
ANA A
JZ ECHO STILL MORE TO GO
.....
* HAVE SEEN '?.'. WILL RETURN TO HDOS
.....
XRA A
SCALL ,EXIT RETURN TO HDOS
.....
DEMOA DB 120,'HI, I'M DEM02!',2120
ENDFLAG DB 0 <>0 IF TO EXIT
.....
END ENTRY
.....

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