

DEMO PROGRAMS

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LIST
100 REM APPLESOFT LCA DEMO
110 REM 11-25-79
120 CALL - 936: VTAB 5
130 DIM A$(255)
140 UCF = 2: REM UPPER CASE FLAG:
    0=LOWER CASE, 2=UPPER CASE,
    1=ONE UPPER CASE INPUT
190 A$ = "THIS PROGRAM DEMONSTRAT
    ES THE USE OF": GOSUB 1000
200 A$ = " THELOWER CASE ADAPTER
    WITH ": GOSUB 1000
201 A$ = "APPLESOFT": GOSUB 1000
210 PRINT " BASIC.":A$ = "THE SU
    BROUTINE AT LINE 1000": GOSUB
    1000
220 A$ = " CONVERTS AN ENTIRE STR
    ING (EXCEPT FOR": GOSUB 1000
230 A$ = " THE FIRST CHARACTE
    R) AND PRINTS IT AS LOWER CA
    SE.": GOSUB 1000
240 PRINT : PRINT A$ = "LINES 5
    00-699 GET CHARACTERS DIRECT
    LY. ": GOSUB 1000
250 A$ = " FROM THE KEYBOARD, AND
    THE UPPER CASE ": GOSUB 10
    00
260 A$ = " FLAG DETERMINES UPPER
    OR LOWER CASE. ": GOSUB 1000
270 PRINT : PRINT : PRINT "ESC";
    :A$ = " SWITCHES TO LOWER CA
    SE, OR TO UPPER CASE FOR THE
    NEXT CHARACTER ONLY. ": GOSUB
    1000
280 PRINT : PRINT : PRINT "ESC E
    SC":A$ = " SWITCHES TO ALL
    UPPER CASE. ": GOSUB 1000
290 PRINT : PRINT :A$ = "TRY IT
    NOW!": GOSUB 1000: PRINT : PRINT
300 H$ = CHR$(8): REM CTRL-H

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500 A$ = "": FOR I = 1 TO 255
520 GET C#:C = ASC (C#): REM
    GET AN INPUT CHARACTER
530 IF C = 3 THEN END
540 IF C > 31 THEN 620
550 REM CONTROL CHARACTER
560 IF C = 8 THEN 600: REM BACKS
    PACE
570 IF C = 13 THEN 680: REM RETU
    RN
580 IF C < > 27 THEN 520: REM
    ESC
590 UCF = UCF + 1: IF UCF > 2 THEN
    UCF = 0
595 GOTO 520
600 IF I < 2 THEN 520
605 PRINT " ";H$:H$ = " ";H$:
610 I = I - 1: IF I > 1 THEN 615
612 A$ = "": GOTO 520
615 A$ = LEFT$(A$,I - 1): GOTO
    520
620 IF C > 63 AND UCF = 0 THEN C
    = C + 32: REM IF A LETTER O
    R SPECIAL SYMBOL AND IN LOWE
    R CASE MODE, THEN CHANGE CH
    AR TO LOWER CASE
640 PRINT CHR$(C): REM ECHO
650 IF UCF = 1 THEN UCF = 0: REM
    IF SINGLE UPPER CASE SWITCH
    BACK TO LOWER CASE
660 LET A$ = LEFT$(A$,I) + CHR$(
    C): REM APPEND TO A$
670 NEXT I
680 PRINT " ": REM ERASE CURSOR
690 PRINT A$: REM OPTIONAL
695 PRINT : GOTO 500
1000 REM SUBROUTINE TO PRINT A
    STRING, CHANGING LETTERS TO
    LOWER CASE.
1010 REM STARTS AT CHARACTER #2.
    CHANGE 2 IN NEXT LINE TO 1
    TO START AT CHAR #1.
1020 FOR I = 1 TO LEN (A$)
1030 A = ASC ( MID$(A$,I,1))
1040 IF A < 65 OR A > 90 OR I =
    1 THEN 1050
1045 A = A + 32: REM CHANGELETTER
    TO LOWER CASE
1050 PRINT CHR$(A);
1060 NEXT I
1070 RETURN

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