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1480 FOR L = 2 TO 50
1490 INPUT #1,NAMFLD$(L),MODFLD$(L),STRFLD$(L),TWNFLD$(L),CNTFLD$(L)
1500 INPUT #1,TELFLD$(L),NDXFLD$(L)
1510 LET SIZE = SIZE + 1
1520 IF EOF(1) = -1 THEN LET L = 50
1530 NEXT L
1540 CLOSE #1
1550 RETURN
1600 REM *SETFLG* SUBROUTINE
1610 REM SETS FLAGS AFTER *RDINFL*
1620 REM
1630 REM
1640 IF TEST6 = "@FIRST" THEN LET SIZE = 1
1650 REM
1660 REM
1670 REM
1680 REM
1690 RETURN
3000 REM *GREETINGS* SUBROUTINE
3010 PRINT CHR$(12):REM CLEAR SCREEN
3020 PRINT
3030 PRINT
3040 PRINT
3050 PRINT
3060 PRINT TAB(12);"*WELCOME TO THE*"
3070 PRINT TAB(9);"*HOME COMPUTER COURSE*"
3080 PRINT TAB(6);"*COMPUTERISED ADDRESS BOOK*"
3090 PRINT
3100 PRINT TAB(5);"(PRESS SPACE-BAR TO CONTINUE)"
3110 FOR L = 1 TO 1
3120 IF INKEY$ <> " " THEN L = 0
3130 NEXT L
3140 PRINT CHR$(12)
3150 RETURN
3500 REM *CHOOSE* SUBROUTINE
3510 REM
3520 IF TEST6 = "@FIRST" THEN GOSUB 3860: REM *FIRSTM* SUBROUTINE
3530 IF TEST6 = "@FIRST" THEN RETURN
3540 REM 'CHMENU'
3550 PRINT CHR$(12)
3560 PRINT "SELECT ONE OF THE FOLLOWING"
3570 PRINT
3580 PRINT
3590 PRINT
3600 PRINT "1. FIND RECORD (FROM NAME)"
3610 PRINT "2. FIND NAMES (FROM INCOMPLETE NAME)"
3620 PRINT "3. FIND RECORDS (FROM TOWN)"
3630 PRINT "4. FIND RECORD (FROM INITIAL)"
3640 PRINT "5. LIST ALL RECORDS"
3650 PRINT "6. ADD NEW RECORD"
3660 PRINT "7. CHANGE RECORD"
3670 PRINT "8. DELETE RECORD"
3680 PRINT "9. EXIT & SAVE"
3690 PRINT
3700 PRINT
3710 REM 'INCHOI'
3720 REM
3730 LET L = 0
3740 LET I = 0
3750 FOR L = 1 TO 1
3760 PRINT "ENTER CHOICE (1 - 9)"
3770 FOR I = 1 TO 1
3780 LET AS$ = INKEY$
3790 IF AS$ = "" THEN I = 0
3800 NEXT I
3810 LET CHOI = VAL(AS$)
3820 IF CHOI < 1 THEN L = 0
3830 IF CHOI > 9 THEN L = 0
3840 NEXT L
3850 RETURN
3860 REM *FIRSTM* SUBROUTINE (DISPLAY MESSAGE)
3870 LET CHOI = 6
3880 PRINT CHR$(12):REM CLEAR SCREEN
3890 PRINT
3900 PRINT TAB(8);"THERE ARE NO RECORDS IN"
3910 PRINT TAB(8);"THE FILE. YOU WILL HAVE"
3920 PRINT TAB(6);"TO START BY ADDING A RECORD"
3930 PRINT
3940 PRINT TAB(5);"(PRESS SPACE-BAR TO CONTINUE)"
3950 FOR B = 1 TO 1
3960 IF INKEY$ <> " " THEN B = 0
3970 NEXT B
3980 PRINT CHR$(12):REM CLEAR SCREEN
3990 RETURN
4000 REM *EXECUT* SUBROUTINE
4010 REM
4020 IF CHOI = 6 THEN GOSUB 10000
4030 REM
4040 REM 1 IS *FNDREC*
4050 REM 2 IS *FNDNMS*
4060 REM 3 IS *FNDTWN*
4070 REM 4 IS *FNDINT*
4080 REM 5 IS *LSTREC*
4090 IF CHOI = 6 THEN GOSUB 10000
4100 REM 7 IS *MODREC*
4110 REM 8 IS *DELREC*
4120 IF CHOI = 9 THEN GOSUB 11000
4130 REM
4140 RETURN
10000 REM *ADDREC* SUBROUTINE
10010 PRINT CHR$(12):REM CLEAR SCREEN
10020 INPUT "ENTER NAME":NAMFLD$(SIZE)
10030 INPUT "ENTER STREET":STRFLD$(SIZE)
10040 INPUT "ENTER TOWN":TWNFLD$(SIZE)
10050 INPUT "ENTER COUNTY":CNTFLD$(SIZE)
10060 INPUT "ENTER TELEPHONE NUMBER":TELFLD$(SIZE)
10070 LET RMOD = 1:REM 'RECORD MODIFIED' FLAG SET
10080 LET NDXFLD$(SIZE) = STR$(SIZE)
10090 LET TEST6 = ""
10100 GOSUB 10200:REM *MODNAM*
10110 LET CHOI = 0
10120 LET SIZE = SIZE + 1
10130 REM

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10140 REM
10150 RETURN
10200 REM *MODNAM* ROUTINE
10210 REM CONVERTS CONTENTS OF NAMFLD$ TO UPPER CASE.
10220 REM REMOVES RUBBISH, AND STORES IN THE ORDER:
10230 REM SURNAME+SPACE+FORENAME IN MODFLD$
10240 REM
10250 LET N$ = NAMFLD$(SIZE)
10260 FOR L = 1 TO LEN(N$)
10270 LET TEMPS = MID$(N$,L,1)
10280 LET T = ASC(TEMPS)
10290 IF T >= 97 THEN T = T - 32
10300 LET TEMPS = CHR$(T)
10310 LET PS = PS + TEMPS
10320 NEXT L
10330 LET N$ = PS
10340 REM LOCATE LAST SPACE
10350 FOR L = 1 TO LEN(N$)
10360 IF MID$(N$,L,1) = " " THEN S = L
10370 NEXT L
10380 REM REMOVE RUBBISH AND STORE FORENAME
10390 REM IN CNAMS
10400 FOR L = 1 TO S - 1
10410 IF ASC(MID$(N$,L,1)) > 64 THEN CNAMS = CNAMS + MID$(N$,L,1)
10420 NEXT L
10430 REM REMOVE RUBBISH AND STORE SURNAME
10440 REM IN SNAMS
10450 FOR L = S + 1 TO LEN(N$)
10460 IF ASC(MID$(N$,L,1)) > 64 THEN SNAMS = SNAMS + MID$(N$,L,1)
10470 NEXT L
10480 LET MODFLD$(SIZE) = SNAMS + " " + CNAMS
10490 LET PS = "": LET N$ = "": LET SNAMS = "": LET CNAMS = ""
10500 LET PS = "": LET N$ = "": LET SNAMS = "": LET CNAMS = ""
10510 RETURN
11000 REM *EXPLOG* SUBROUTINE
11010 REM SORTS AND SAVES FILE
11020 REM IF ANY RECORD HAS BEEN
11030 REM MODIFIED (RMOD = 1)
11040 REM
11050 IF RMOD = 0 THEN RETURN
11060 REM
11070 GOSUB 11200:REM *SRTREC*
11080 REM
11090 GOSUB 12000:REM *SAVREC*
11100 RETURN
11200 REM *SRTREC* SUBROUTINE
11210 REM SORTS ALL RECORDS BY MODFLD$ INTO
11220 REM ALPHABETICAL ORDER AND UPDATES NDXFLD
11230 REM
11240 REM
11250 LET S = 0
11260 FOR L = 1 TO SIZE - 2
11270 IF MODFLD$(L) > MODFLD$(L + 1) THEN GOSUB 11350
11280 NEXT L
11290 IF S = 1 THEN 11250
11300 REM
11310 REM
11320 LET RMOD = 0:REM CLEARS 'RECORD MODIFIED' FLAG
11330 REM
11340 RETURN
11350 REM *SWPREC* SUBROUTINE
11360 LET TNAMFLD$ = NAMFLD$(L)
11370 LET TMODFLD$ = MODFLD$(L)
11380 LET TSTRFLD$ = STRFLD$(L)
11390 LET TTWNFLD$ = TWNFLD$(L)
11400 LET TCNTFLD$ = CNTFLD$(L)
11410 LET TTELFLD$ = TELFLD$(L)
11420 REM
11430 LET NAMFLD$(L) = NAMFLD$(L + 1)
11440 LET MODFLD$(L) = MODFLD$(L + 1)
11450 LET STRFLD$(L) = STRFLD$(L + 1)
11460 LET TWNFLD$(L) = TWNFLD$(L + 1)
11470 LET CNTFLD$(L) = CNTFLD$(L + 1)
11480 LET TELFLD$(L) = TELFLD$(L + 1)
11490 LET NDXFLD$(L) = STR$(L)
11500 REM
11510 LET NAMFLD$(L + 1) = TNAMFLD$
11520 LET MODFLD$(L + 1) = TMODFLD$
11530 LET STRFLD$(L + 1) = TSTRFLD$
11540 LET TWNFLD$(L + 1) = TTWNFLD$
11550 LET CNTFLD$(L + 1) = TCNTFLD$
11560 LET TELFLD$(L + 1) = TTELFLD$
11570 LET NDXFLD$(L + 1) = STR$(L + 1)
11580 LET S = 1
11590 REM
11600 RETURN
12000 REM *SAVREC* SUBROUTINE
12010 REM
12020 REM
12030 OPEN "O",#1,"ADBK.DAT"
12040 REM
12050 FOR L = 1 TO SIZE - 1
12060 PRINT #1,NAMFLD$(L);",",MODFLD$(L);",",STRFLD$(L);",",TWNFLD$(L);",",CNTFLD$(L);",",TELFLD$(L);",",NDXFLD$(L)
12070 PRINT #1,CNTFLD$(L);",",TELFLD$(L);",",NDXFLD$(L)
12080 NEXT L
12090 REM
12100 REM
12110 REM
12120 REM
12130 CLOSE #1
12140 REM
12150 RETURN
12500 REM *FLSIZE* SUBROUTINE
12510 IF NAMFLD$(L) = "" THEN LET L = 50
12520 IF NAMFLD$(L) = "" THEN RETURN
12530 LET SIZE = SIZE + 1
12540 REM
12550 REM
12560 RETURN

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