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10 REM *****
20 REM * BASE DE DATOS - 1986 - A. C. VERDUGO TU MICRO *
30 REM *****
40 ON ERROR GOTO 2320
50 DEFSTR h
60 hesc=CHR$(27)
70 home=hesc+"F"+hesc+"E"
80 hon=hesc+"p"
90 hoff=hesc+"q"
100 hpi=CHR$(7)
110 DEF FN at$(x,y,t$)=hesc+"Y"+CHR$(32+y)+CHR$(32+x)+t$
120 DEF FN in$(l)=hon+SPACE$(l)+hoff+STRING$(l,8)
130 WIDTH 255
140 hlf=CHR$(10)+CHR$(13)
150 DIM hfi(10)
160 hnum="10 2 3 4 5 6 7 8 9"
170 hmov=CHR$(13)+CHR$(6)+CHR$(1)+CHR$(31)+CHR$(30)+CHR$(32)
180 incr=1
190 DIM coord(10,2),coord2(10,2),long(10)
200 PRINT home
210 PRINT "Nombre del fichero > ";
220 nchar=10:GOSUB 2230
230 hnfich=hout
240 IF FIND$(hout+"def")<>" " THEN 1220
250 hout=UPPER$(hout):PRINT home
260 PRINT hpi:PRINT TAB(5);"<";hout;"> no existe. 'S' para crear fichero, otra t
ecla para reinventar."
270 a$=INPUT$(1):IF a$<>"e" AND a$<>"S" THEN 200
280 PRINT home
290 PRINT"Numero de campos >";
300 nchar=2:GOSUB 2230
310 IF INSTR(hnum,hout)=0 THEN PRINT hlf:PRINT hpi:"Solo cifras. Maximo 10 campo
s.":GOSUB 2360:GOTO 280
320 nca=VAL(hout)
330 PRINT hlf;"Introduzca nombre de los campos y longitud:"
340 FOR a=1 TO nca
350 PRINT FN at$(0,a*2+2,"Campo ");:PRINT USING "R#";a;:PRINT " >";
360 nchar=15
370 GOSUB 2230
380 IF hout="" THEN PRINT hpi::GOTO 350
390 hfi(a)=hout
400 PRINT FN at$(35,a*2+2,"Longitud >");
410 nchar=2
420 GOSUB 2230
430 IF VAL(hout)=0 OR VAL(hout)>80 THEN PRINT hpi::GOTO 400
440 long(a)=VAL(hout)
450 NEXT
460 PRINT FN at$(0,24,"Escriba 1 -"+STR$(nca)+" para corregir o (RETURN) para co
ntinuar.")
470 nchar=2:PRINT TAB(25)::GOSUB 2230
480 IF INSTR(hnum,hout)=0 OR hout="" THEN 620
490 a=VAL(hout)
500 IF a<1 OR a>nca THEN PRINT hpi::GOTO 460
510 PRINT FN at$(10,a*2+2,"");
520 nchar=15
530 GOSUB 2230
540 IF hout="" THEN 510
550 hfi(a)=hout
560 PRINT FN at$(45,a*2+2,"");
570 nchar=2
580 GOSUB 2230
590 IF VAL(hout)=0 OR VAL(hout)>99 THEN PRINT hpi::GOTO 560
600 long(a)=VAL(hout)
610 GOTO 460
620 tot=0:FOR a=1 TO 10
630 tot=tot+long(a):NEXT
640 IF tot>128 THEN PRINT FN at$(0,24,"Error: longitud total superior a 128 byte
s. "+STRING$(56,32)+hpi):GOSUB 2360:GOTO 460
650 PRINT home
660 PRINT hlf;"Situe los campos y su contenido con las teclas de movimiento del
cursor. Fije con (RETURN)"
670 PRINT hlf:TAB(22);"Pulse una tecla para continuar"
680 a$=INPUT$(1)
690 PRINT home
700 FOR a=1 TO nca
710 x=0:y=0
720 PRINT FN at$(x,y,hfi(a))
730 a$=INPUT$(1)
740 IF INSTR(hmov,a$)=0 THEN 730
750 IF a$=CHR$(13) THEN coord(a,1)=x:coord(b,2)=y:GOTO 870
760 PRINT FN at$(x,y,STRING$(LEN(hfi(a)),32))
770 IF a$=CHR$(31) THEN y=y-incr
780 IF a$=CHR$(30) THEN IF y+incr<29 THEN y=y+incr
790 IF a$=CHR$(1) THEN x=x-incr
800 IF a$=CHR$(6) THEN x=x+incr
810 IF a$=CHR$(32) THEN PRINT hpi::IF incr=1 THEN incr=10 ELSE incr=1
820 FOR b=1 TO a-1
830 PRINT FN at$(coord(b,1),coord(b,2),hfi(b))
840 PRINT FN at$(coord2(b,1),coord2(b,2),CHR$(175)+STRING$(long(b),4
6)+CHR$(174))
850 NEXT

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660 GOTO 720
670 x=0:y=0:haut=CHR$(175)+STRING$(long(a),46)+CHR$(174)
680 PRINT FN at$(x,y,haut)
690 a$=INPUT$(1)
900 IF INSTR(hmov,a$)=0 THEN 890
910 IF a$=CHR$(15) THEN coord2(a,1)=x:coord2(a,2)=y:GOTO 1050
920 PRINT FN at$(x,y,STRING$(LEN(haut),32))
930 IF a$=CHR$(31) THEN y=y-incr
940 IF a$=CHR$(30) THEN IF incr<29 THEN y=y+incr
950 IF a$=CHR$(1) THEN x=x-incr
960 IF a$=CHR$(6) THEN x=x+incr
970 IF a$=CHR$(32) THEN PRINT hpi:IF incr=1 THEN incr=10 ELSE incr=1
980 FOR b=1 TO a
990 PRINT FN at$(coord(b,1),coord(b,2),hfi(b))
1000 NEXT
1010 FOR b=1 TO a-1
1020 PRINT FN at$(coord2(b,1),coord2(b,2),CHR$(175)+STRING$(long(b),4
6)+CHR$(174))
1030 NEXT
1040 GOTO 880
1050 NEXT
1060 PRINT FN at$(0,31,"Unidad (A/B) para guardar los datos >");
1070 nchar=1
1080 GOSUB 2230
1090 IF hcout="" THEN 1060
1100 IF INSTR("AaBb",hcout)=0 THEN PRINT hpi:GOTO 1060
1110 OPTION FILES hcout
1120 OPEN "O",1,hnfich+".def"
1130 WRITE R1,nca
1140 FOR a=1 TO 10
1150 WRITE R1,hfi(a),long(a),coord(a,1),coord(a,2),coord2(a,1),coord2(a,2)
1160 NEXT
1170 WRITE R1,0
1180 CLOSE 1
1190 OPEN "R",1,hnfich+".dat"
1200 CLOSE 1
1210 '
1220 OPEN "I",1,hnfich+".def"
1230 INPUT R1,nca
1240 FOR a=1 TO 10
1250 INPUT R1,hfi(a),long(a),coord(a,1),coord(a,2),coord2(a,1),coord2(a,2)
1260 NEXT
1270 INPUT R1,nf
1280 CLOSE 1
1290 BUFFERS 50
1300 OPEN "R",1,hnfich+".dat"
1310 FIELD 1, long(1) AS hcont(1), long(2) AS hcont(2), long(3) AS hcont(3), long(4)
AS hcont(4), long(5) AS hcont(5), long(6) AS hcont(6)
), long(7) AS hcont(7), long(8) AS hcont(8), long(9) AS hcont(9), long(10) AS hcont(
10)
1320 PRINT home
1330 PRINT FN at$(30,10,"1- Añadir fichas")
1340 PRINT FN at$(30,13,"2- Modificar fichas")
1350 PRINT FN at$(30,16,"3- Buscar fichas")
1360 PRINT FN at$(30,19,"4- Terminar")
1370 PRINT FN at$(30,24,"Entre opcion >");
1380 nchar=1
1390 GOSUB 2230
1400 IF INSTR("1234",hcout)=0 THEN PRINT hpi:GOTO 1370
1410 ON VAL(hcout) GOTO 1420,1670,1840,2120
1420 PRINT home
1430 FOR a=1 TO nca
1440 PRINT FN at$(coord(a,1),coord(a,2),hfi(a))
1450 PRINT FN at$(coord2(a,1),coord2(a,2),CHR$(175)+STRING$(long(a),46)+CHR$(174
))
1460 NEXT
1470 FOR a=1 TO nca
1480 PRINT FN at$(coord2(a,1)+1,coord2(a,2), "");
1490 nchar=long(a)
1500 GOSUB 2230
1510 LSET hcont(a)=hcout
1520 NEXT
1530 PRINT FN at$(0,29,"Algun error? (s/ ) >");
1540 nchar=1
1550 GOSUB 2230
1560 PRINT FN at$(0,29,STRING$(22,32));
1570 IF INSTR("Se",hcout)=0 THEN 1600
1580 GOSUB 2370
1590 GOTO 1530
1600 PUT 1,nf+1
1610 nf=nf+1
1620 PRINT FN at$(0,29,"Mas fichas? (/n) >");
1630 nchar=1
1640 GOSUB 2230
1650 IF INSTR("Nc",hcout) THEN 1320
1660 GOTO 1420
1670 PRINT home
1680 PRINT FN at$(0,29,"Numero de ficha >");
1690 nchar=4
1700 GOSUB 2230
1710 IF VAL(hcout)=0 OR VAL(hcout)>nf THEN PRINT hpi:GOTO 1320

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1720 PRINT FN at$(0,29,STRING$(20,32));
1730 GET 1,VAL(hout)
1740 FOR a=1 TO nca
1750 PRINT FN at$(coord(a,1),coord(a,2),hfi(a))
1760 PRINT FN at$(coord2(a,1)+1,coord2(a,2),hcont(a))
1770 NEXT
1780 GOSUB 2370
1790 PRINT FN at$(0,29,"Mas correcciones? (s/ ) >");
1800 nchar=1
1810 GOSUB 2230
1820 IF INSTR("Se",hout)=0 THEN 1320
1830 GOTO 1670
1840 PRINT home
1850 PRINT FN at$(0,29,"Por <S>numero o por <C>ampo >");
1860 nchar=1
1870 GOSUB 2230
1880 IF !INSTR("NoCc",hout)=0 THEN PRINT hpi;:GOTO 1850
1890 PRINT FN at$(0,29,STRING$(30,32))
1900 IF INSTR("Cc",hout) THEN 1970
1910 PRINT FN at$(0,29,"Indique numero de ficha >");
1920 nchar=4
1930 GOSUB 2230
1940 IF VAL(hout)=0 OR VAL(hout)>nf THEN PRINT hpi;:GOTO 1320
1950 GET 1,VAL(hout)
1960 GOSUB 2500:GOTO 1320
1970 PRINT FN at$(0,29,"Introduzca numero de orden del campo >");
1980 nchar=2
1990 GOSUB 2230
2000 IF INSTR(hout,hout)=0 THEN PRINT hpi;:GOTO 1320
2010 cam=VAL(hout)
2020 PRINT FN at$(0,29,"Indique el contenido del campo "+STR$(cam)+" >");
2030 nchar=long(cam)
2040 GOSUB 2230
2050 IF hout="" THEN PRINT hpi;:GOTO 1320
2060 bcheck=hout+STRING$(long(cam)-LEN(hout),32)
2070 FOR f=1 TO nf
2080 GET 1,f
2090 IF hcont(cam)=bcheck THEN GOSUB 2500
2100 NEXT
2110 GOTO 1320
2120 PRINT home
2130 KILL hmfich+".def"
2140 OPEN "O",2,hmfich+".def"
2150 WRITE #2,nca
2160 FOR a=1 TO 10
2170 WRITE #2,hfi(a),long(a),coord(a,1),coord(a,2),coord2(a,1),coord2(a,2)
2180 NEXT
2190 WRITE #2,nf
2200 CLOSE 1,2
2210 END
2220 STOP
2230 PRINT FN in$(nchar);:hout="":cntr=0
2240 hin=INKEY$:IF hin="" THEN 2240
2250 IF hin=CHR$(13) THEN RETURN
2260 IF hin=CHR$(127) OR hin=CHR$(8) THEN IF cntr>0 THEN hin=CHR$(8)+FN in$(1):c
ntr=cntr-2:hout=LEFT$(hout,LEN(hout)-1):GOTO 2280 EL
SE GOTO 2240
2270 hout=hout+hin
2280 cntr=cntr+1
2290 PRINT hin;
2300 IF cntr=nchar THEN RETURN
2310 GOTO 2240
2320 PRINT home
2330 PRINT:PRINT FN at$(30,10,"Error en:");
2340 IF ERR=2 THEN ON ERROR GOTO 0
2350 IF ERR=64 THEN PRINT hpi:PRINT FN at$(30,12,"Nombre de fichero no valido.")
:GOSUB 2360:RESUME 200
2360 FOR a=1 TO 2000:NEXT:RETURN
2370 PRINT FN at$(0,29,"Seleccione campo para corregir")
2380 x=1
2390 PRINT FN at$(coord2(x,1)+1,coord2(x,2),hnt+hcont(x)+hfff)
2400 as=INPUT$(1)
2410 IF as=CHR$(31) THEN IF x>1 THEN PRINT FN at$(coord2(x,1)+1,coord2(x,2),hcont(x)):x=x-1:GOTO 2390
2420 IF as=CHR$(30) THEN IF x<nca THEN PRINT FN at$(coord2(x,1)+1,coord2(x,2),hcont(x)):x=x+1:GOTO 2390
2430 IF as<>CHR$(13) THEN 2400
2440 PRINT FN at$(0,29,STRING$(30,32));
2450 nchar=long(x)
2460 PRINT FN at$(coord2(x,1)+1,coord2(x,2),"");
2470 GOSUB 2230
2480 LSET hcont(x)=hout
2490 RETURN
2500 PRINT home
2510 FOR a=1 TO nca
2520 PRINT FN at$(coord(a,1),coord(a,2),hfi(a))
2530 PRINT FN at$(coord2(a,1),coord2(a,2),CHR$(175)+hcont(a)+CHR$(174))
2540 NEXT
2550 nchar=1
2560 GOSUB 2230
2570 RETURN

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