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10 ' :-----|
20 ' :|
30 ' : Program: datagen.bas
40 ' :|
50 ' : DATA - Zeilengenerator
60 ' :|
70 ' :|
80 ' : Date: 20.06.1985
90 ' : Revision: 00.02
100 ' :|
110 ' : Copyright: blackSOFT 1985
120 ' :|
130 ' :-----|
140 '
150 OPENOUT "dummy":MEMORY HIMEM-1:CLOSEOUT
160 MODE 2:INK 0,0:INK 1,13:BORDER 0
170 WINDOW #0,1,80,24,25
180 WINDOW #1,1,80,1,4
190 WINDOW #2,1,80,6,22
200 LOCATE #1,1,1:PRINT #1,CHR$(24)STRING$(80,"-");
210 PRINT #1,STRING$(19," ");"D A T A - G E N E R A T O R";STRING
$(19," ");
220 PRINT #1, STRING$(80,"-")CHR$(24);
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230 LOCATE #2,1,1:INPUT #2,"Startadresse in Hex (&....): ";start
240 LOCATE #2,1,2:INPUT #2,"Endadresse in Hex (&....): ";enda
250 IF enda < start THEN 240
260 LOCATE #2,1,3:INPUT #2,"Zeilennummern - Beginn: ";z1
270 IF z1 < 1 OR z1 > 65535 THEN 260
280 LOCATE #2,1,4:INPUT #2,"Zeilennummern - Abstand: ";z2
290 IF z1 < 1 OR z1 > 65535 THEN 280
300 LOCATE #2,1,5:INPUT #2,"Dateiname (max. 12 Zeichen): ";pn$
310 IF LEN(pn$) < 1 OR LEN(pn$) > 12 THEN 300
320 '
330 ' ***** Programm speichern *****
340 '
350 CLS #2:first=start:fline=z1:OPENOUT pn$
360 zeile$=" ' "+pn$
370 GOSUB 870
380 zeile$=" '"
390 GOSUB 870
400 WHILE NOT endflag
410     zeile$=" data ":checksum=0
420     FOR i=1 TO 16
430         IF start > enda THEN endflag=-1:GOTO 480
440         byte=PEEK(start)
450         zeile$=zeile$+HEX$(byte,2)+","
460         start=start+1:checksum=checksum+byte
470     NEXT
480     GOSUB 810
490 WEND
500 endflag=0
510 zeile$=" '":GOSUB 870
520 adr=first
530 zeile$=" memory "&"+HEX$(first-1,4)
540 GOSUB 870
550 zeile$=" zeile ="+STR$(fline)+" : schritt ="+STR$(z2)
560 GOSUB 870
570 zeile$=" adr = "+"&"+HEX$(first,4)+" : last = "+"&"+HEX$(enda,4)
580 GOSUB 870
590 jump=z1
600 zeile$=" for i=1 to 16"
610 GOSUB 870
620 zeile$="     read byte$"
630 GOSUB 870
640 zeile$="     poke adr,val ("&"+CHR$(34)+CHR$(38)+CHR$(34)+"&"+byte$)"
650 GOSUB 870
660 zeile$="     sum = sum + peek(adr)"
670 GOSUB 870
680 zeile$="     adr = adr + 1"
690 GOSUB 870
700 zeile$=" next"
710 GOSUB 870
720 zeile$=" read checksum$ : checksum = val(mid$(checksum$,3))"
730 GOSUB 870
740 zeile$=" IF sum <> checksum THEN PRINT "&"+CHR$(34)+"Fehler in Zeile"&"+CHR$(34)
750 GOSUB 870
760 zeile$=" if adr < last then sum = 0 : zeile = zeile + schritt : goto"&"+STR$(j
770 GOSUB 870
780 zeile$=" end"
790 GOSUB 870
800 CLOSEOUT:WINDOW #0,1,80,1,25:LOCATE 1,24:END
810 IF i=1 THEN RETURN
820 FOR j=i TO 16
830     zeile$=zeile$+"00,"
840     enda=enda+1
850 NEXT
860 zeile$=zeile$+"="&"+STR$(checksum)
870 zeile$=MID$(STR$(z1),2,LEN(STR$(z1))-1)+zeile$
880 PRINT #2,zeile$:PRINT #9,zeile$
890 z1=z1+z2:IF z2>65535 THEN PRINT #2:PRINT #2,"Zeilennummer zu gross !!":END
900 RETURN

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