PROGRAMMA PER LA STAMPA DI UN CALENDARIO
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Con il vostro microcomputer Z80 ho realizzato un programma in grado di stampare un simpatico calendario. Poiché ritengo che tale programma possa interessare molti lettori in quanto perpetuo, cioè potrà servire non solo per l'anno 1983, ma anche per l'84, l'85 ecc. ve lo spedisco con la speranza di vederlo pubblicato sulla vostra rivista nella rubrica progetti in sintonia. Come stampante ho utilizzato la vostra Microline 80. Sulla prima pagina del calendario, come vedesi di lato apparirà una figura di donna e sotto a questa i mesi dell'anno. Chi non volesse far apparire tale figura potrà terminare il programma alla linea 450.

```
10 REM*********************
20 REM*                   *
30 REM*    ADATTATO  DA    *
40 REM*                   *
50 REM* ROBERTO  BELLONI  *
60 REM*                   *
65 REM*   F I R E N Z E   *
66 REM*                   *
70 REM*********************
80 CLEAR1000:DIMM$(12),L(12),A$(12,50)
90 CLS:REVON:PRINT"**CALENDARIO GREGORIANO**":REVOFF::PRINT
100 INPUT"DIMMI DI QUALE ANNO LO VUOI":Y
110 IFY<100THENY=Y+1900:GOTO130
120 IFY<1583THEN100
130 G$="lu ma me gi ve sa do "
140 M$(1)="      GENNAIO      ":M$(2)="     FEBBRAIO      ":M$(3)="       M
ARZO       ":M$(4)="      APRILE       "
150 M$(5)="      MAGGIO       ":M$(6)="      GIUGNO       ":M$(7)="       L
UGLIO       ":M$(8)="       AGOSTO      "
160 M$(9)="     SETTEMBRE     ":M$(10)="      OTTOBRE      ":M$(11)="       N
OVEMBRE       ":M$(12)="     DICEMBRE      "
170 L(1)=31:L(2)=28:L(3)=31:L(4)=30:L(5)=31:L(6)=30:L(7)=31:L(8)=31:L(9)=30:L(10
)=31:L(11)=30:L(12)=31
180 V1=365*Y+INT((Y-1)/4)-INT(3*(INT((Y-1)/100)+1)/4)
190 B=V1-INT(V1/7)*7:IFB=0THENB=7
200 Y1=Y:R=Y1/100:S=INT(R):IF(R-S)=0THENY1=R
210 D=Y1/4:C=INT(D):IF(D-C)=0THENL(2)=29
220 DATA" 1 "," 2 "," 3 "," 4 "," 5 "," 6 "," 7 "," 8 "," 9 ","10 ","11 ","12 ",
"13 ","14 ","15 ","16 ","17 ","18 ","19 ","20 "
230 DATA"21 ","22 ","23 ","24 ","25 ","26 ","27 ","28 ","29 ","30 ","31 "
240 GOSUB410
250 GOSUB460
255 REM*STAMPA CALENDARIO*
260 LPRINTCHR$(159):LPRINTTAB(16)"********":LPRINTTAB(16)"*";Y;"*":LPRINTTAB(16)
"********"
265 FORX=1TO3:LPRINT" ":NEXTX
270 FORI=1TO12:LPRINTTAB(9)M$(I):LPRINT" ":LPRINT" ":LPRINTTAB(9)G$
280 LPRINT" ":F=1:H=7:FORE=1TO6:FORN=FTOH
290 IFA$(I,N)=""THENA$(I,N)="   "
300 LPRINTTAB(9)A$(I,N);:NEXTN:LPRINT" ":LPRINT" ":F=H+1:H=H+7
310 NEXTE:NEXTI
320 LPRINT" ":LPRINT" ":LPRINT" ":PRINT"vuoi stampare ancora"
330 T$=INKEY$:IFT$=""THEN330
340 IFT$="N"THEN380
350 PRINT:PRINT"vuoi lo stesso anno"
360 T$=INKEY$:IFT$=""THEN360
370 IFT$="S"THEN250ELSE80
380 LPRINTCHR$(158)
390 END
400 REM*SUBROUTINE RICERCA GIORNI*
410 FORX=1TO12:T=L(X)+B-1:RESTORE
420 FORI=BTOT:READA$(X,I):NEXTI
430 IFT<35THENT1=27ELSET1=34
440 B=T-T1:NEXTX
450 RETURN
```
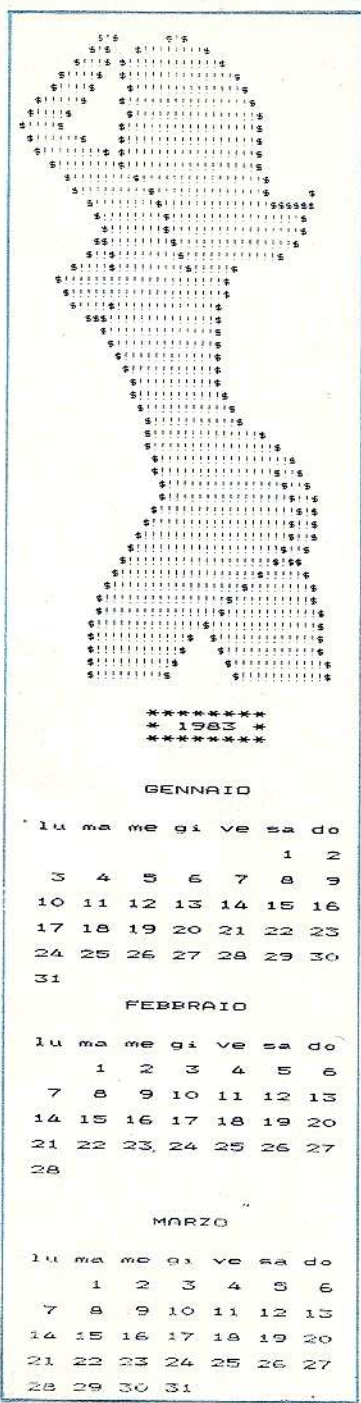
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460 REM**SUBROUTINE DONNA**
470 READN
480 IFN=-99THEN1090
490 IFN=-1THEN540
500 IFN=-2THEN560
510 IFN=-3THEN570
520 IFN=0THENF=0:LPRINT" ":GOTO470
530 GOTO1090
540 READA:F=F+1:IFF=1THENA=A+15
550 FORI=1TOA:LPRINT" ":NEXTI:GOTO470
560 READB:FORI=1TOB:LPRINT"!":NEXTI:GOTO470
570 READC:FORI=1TOC:LPRINT"$":NEXTI:GOTO470
580 DATA-1,15,-3,1,-2,1,-3,1,-1,6,-3,1,-2,1,-3,1,0
590 DATA-1,14,-3,1,-2,1,-3,1,-1,3,-3,1,-2,8,-3,1,0
600 DATA-1,12,-3,1,-2,3,-3,1,-1,1,-3,1,-2,12,-3,1,0
610 DATA-1,10,-3,1,-2,4,-3,1,-1,2,-3,1,-2,14,-3,1,0
620 DATA-1,9,-3,1,-2,4,-3,1,-1,4,-3,1,-2,14,-3,1,0
630 DATA-1,7,-3,1,-2,5,-3,1,-1,4,-3,1,-2,16,-3,1,0
640 DATA-1,6,-3,1,-2,4,-3,1,-1,7,-3,1,-2,16,-3,1,0
650 DATA-1,5,-3,1,-2,4,-3,1,-1,7,-3,1,-2,17,-3,1,0
660 DATA-1,6,-3,1,-2,6,-3,1,-1,4,-3,1,-2,17,-3,1,0
670 DATA-1,7,-3,1,-2,8,-3,1,-1,1,-3,1,-2,17,-3,1,0
680 DATA-1,9,-3,1,-2,8,-3,1,-2,17,-3,1,0
690 DATA-1,11,-3,1,-2,8,-3,1,-2,16,-3,1,0
700 DATA-1,12,-3,1,-2,9,-3,1,-2,14,-3,1,-1,5,-3,1,0
710 DATA-1,14,-3,1,-2,8,-3,1,-2,14,-3,6,0
720 DATA-1,15,-3,1,-2,8,-3,1,-2,17,-3,1,0
730 DATA-1,16,-3,1,-2,7,-3,1,-2,17,-3,1,0
740 DATA-1,15,-3,2,-2,8,-3,1,-2,15,-3,1,0
750 DATA-1,14,-3,1,-2,2,-3,1,-2,8,-3,1,-2,12,-3,1,0
760 DATA-1,12,-3,1,-2,4,-3,1,-2,9,-3,1,-2,5,-3,1,0
770 DATA-1,10,-3,1,-2,21,-3,1,0
780 DATA-1,11,-3,1,-2,20,-3,1,0
790 DATA-1,12,-3,1,-2,4,-3,1,-2,13,-3,1,0
800 DATA-1,14,-3,3,-2,14,-3,1,0
810 DATA-1,16,-3,1,-2,14,-3,1,0
820 DATA-1,17,-3,1,-2,13,-3,1,0
830 DATA-1,18,-3,1,-2,12,-3,1,0
840 DATA-1,19,-3,1,-2,11,-3,1,0
850 DATA-1,20,-3,1,-2,10,-3,1,0
860 DATA-1,20,-3,1,-2,11,-3,1,0
870 DATA-1,21,-3,1,-2,11,-3,1,0
880 DATA-1,22,-3,1,-2,11,-3,1,0
890 DATA-1,22,-3,1,-2,14,-3,1,0
900 DATA-1,22,-3,1,-2,16,-3,1,0
910 DATA-1,23,-3,1,-2,17,-3,1,0
920 DATA-1,23,-3,1,-2,15,-3,1,-2,2,-3,1,0
930 DATA-1,24,-3,1,-2,15,-3,1,-2,2,-3,1,0
940 DATA-1,24,-3,1,-2,16,-3,1,-2,2,-3,1,0
950 DATA-1,23,-3,1,-2,18,-3,1,-2,1,-3,1,0
960 DATA-1,22,-3,1,-2,18,-3,1,-2,2,-3,1,0
970 DATA-1,21,-3,1,-2,19,-3,1,-2,2,-3,1,0
980 DATA-1,20,-3,1,-2,19,-3,1,-2,2,-3,1,0
990 DATA-1,19,-3,1,-2,19,-3,1,-2,1,-3,1,0
1000 DATA-1,18,-3,1,-2,18,-3,1,-2,5,-3,1,0
1010 DATA-1,17,-3,1,-2,17,-3,1,-2,8,-3,1,0
1020 DATA-1,16,-3,1,-2,16,-3,1,-2,10,-3,1,0
1030 DATA-1,16,-3,1,-2,15,-3,1,-2,12,-3,1,0
1040 DATA-1,15,-3,1,-2,14,-3,1,-2,14,-3,1,0
1050 DATA-1,15,-3,1,-2,12,-3,1,-1,2,-3,1,-2,13,-3,1,0
1060 DATA-1,15,-3,1,-2,11,-3,1,-1,4,-3,1,-2,12,-3,1,0
1070 DATA-1,15,-3,1,-2,10,-3,1,-1,6,-3,1,-2,12,-3,1,0
1080 DATA-1,15,-3,1,-2,9,-3,1,-1,8,-3,1,-2,11,-3,1,-99
1090 FORS=1TO14:LPRINT" ":NEXTS:RETURN
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NOTE REDAZIONALI

Pubblichiamo questo programma, perché oltre a stamparci in anteprima un qualsiasi anno, potrà servire a molti come esercizio di programmazione. Non potendo inserire sulla rivista il calendario completo, ne pubblichiamo i soli primi tre mesi e relativa «modella».