

Calendar

This program prints out a calendar for any year. You must specify the starting day of the week of the year in Statement 130. (Sunday (0), Monday (-1), Tuesday (-2), etc.). You can determine this by using the program WEEK-DAY. You must also make two changes for leap years in Statements 360 and 620. The program listing describes the necessary changes. Running the program produces a nice 12-month calendar.

The program was written by Geoffrey Chase of the Abbey, Portsmouth, Rhode Island.

CALENDAR
CREATIVE COMPUTING MORRISTOWN, NEW JERSEY

** 0 ***** JANUARY ***** 365 **

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

** 31 ***** FEBRUARY ***** 334 **

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

** 59 ***** MARCH ***** 306 **

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

** 90 ***** APRIL ***** 275 **

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

** 120 ***** MAY ***** 245 **

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

** 151 ***** JUNE ***** 214 **

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

** 181 ***** JULY ***** 184 **

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

** 212 ***** AUGUST ***** 153 **

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

** 243 ***** SEPTEMBER ***** 122 **

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

** 273 ***** OCTOBER ***** 92 **

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

** 304 ***** NOVEMBER ***** 61 **

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

** 334 ***** DECEMBER ***** 31 **

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

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10 PRINT TAB(32);"CALENDAR"
20 PRINT TAB(15);"CREATIVE COMPUTING MORRISTOWN, NEW JERSEY"
30 PRINT:PRINT
100 REM VALUES FOR 1978 - SEE NOTES
110 DIM M(12)
120 FOR I=1 TO 6: PRINT CHR$(10);: NEXT I
130 D=0: REM 1978 STARTS ON SUNDAY (0=SUN, -1=MON, -2=TUES...)
140 S=0
150 REM READ DAYS OF EACH MONTH
160 FOR N=0 TO 12: READ M(N): NEXT N
170 REM
180 FOR N=1 TO 12
190 PRINT: PRINT: S=S+M(N-1)
200 PRINT "*****";S;TAB(7);
210 FOR I=1 TO 18: PRINT "*";: NEXT I
220 ON N GOTO 230,240,250,260,270,280,290,300,310,320,330,340
230 PRINT " JANUARY ";: GOTO 350
240 PRINT " FEBRUARY ";: GOTO 350
250 PRINT " MARCH ";: GOTO 350
260 PRINT " APRIL ";: GOTO 350
270 PRINT " MAY ";: GOTO 350
280 PRINT " JUNE ";: GOTO 350
290 PRINT " JULY ";: GOTO 350
300 PRINT " AUGUST ";: GOTO 350
310 PRINT " SEPTEMBER ";: GOTO 350
320 PRINT " OCTOBER ";: GOTO 350
330 PRINT " NOVEMBER ";: GOTO 350
340 PRINT " DECEMBER ";
350 FOR I=1 TO 18: PRINT "*";: NEXT I
360 PRINT 365-S;"**";
370 REM 366-S; ON LEAP YEARS
380 PRINT CHR$(10); PRINT " S M T W";
390 PRINT " T F S"
400 PRINT
410 FOR I=1 TO 59: PRINT "*";: NEXT I
420 REM
430 FOR W=1 TO 6
440 PRINT CHR$(10)
450 PRINT TAB(4)
460 REM
470 FOR G=1 TO 7
480 D=D+1
490 D2=D-S
500 IF D2>M(N) THEN 580
510 IF D2>0 THEN PRINT D2;
520 PRINT TAB(4+8*G);
530 NEXT G
540 REM
550 IF D2=M(N) THEN 590
560 NEXT W
570 REM
580 D=D-G
590 NEXT N
600 REM
610 FOR I=1 TO 6: PRINT CHR$(10);: NEXT I
620 DATA 0,31,28,31,30,31,30,31,31,30,31,30,31
630 REM 0,31,29, ..., ON LEAP YEARS
640 END

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