```
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LF
                    = 0ah
                                                               ; Line feed
CR
                    = 0dh
                                                               ; Carriage return
                                                               ; ASCII for zero
; number of days in a month
                    = 48
Zero
NumJanDate
                    = 31
NumFebDate
                    = 28
NumMarDate
                    = 31
NumAprDate
                    = 30
                    = 31
NumMayDate
NumJunDate
                    = 30
NumJulDate
                    = 31
NumAugDate
                    = 31
NumSepDate
                    = 30
NumOctDate
                    = 31
NumNovDate
                    = 30
NumDecDate
                    = 31
Terminate
                    = 4c00h
                                                               ; Terminate service
DosInt
                     = 21h
Ssea
                     segment
                                          stack
                     64 dup (?)
Sseg
                     ends
Dseg
                    segment
                                         LF, CR, 'Input a number
LF, CR, 'January', '$'
LF, CR, 'February', '$'
LF, CR, 'March', '$'
LF, CR, 'April', '$'
LF, CR, 'April', '$'
LF, CR, 'June', '$'
LF, CR, 'July', '$'
LF, CR, 'August', '$'
LF, CR, 'September', '$'
LF, CR, 'October', '$'
LF, CR, 'November', '$'
LF, CR, 'December', '$'
          prompt1
                               db
                                          LF, CR, 'Input a number (1..365): ','$'
          January
                               db
          February
                               db
          March
                               db
          April
                               db
                               db
          May
                               db
          June
                               db
          July
                               db
          August
          September
                               db
          October
                               db
          November
                               db
          December
                               db
          Ten
                               db
                                          10
                               db
                                            ·, '$'
          char
                                          n
          day
                               dw
          day_d
                               dh
                                          Ω
          string
                               db
                                          4
          buffln
                               db
                                          4 dup(' '), '$'
          strbuf
                               db
          blank
                               db
Dseg
                     ends
Cseg
                     segment
          assume
                     cs:Cseg, ds:Dseg, ss:Sseg
          mov
                     ax, Dseg
                                                               ; load ds
          mov
                     ds, ax
                     dx, prompt1 ah, 9
          lea
                                                               ; load address message
                                                               ; setup to output character
          mov
          int
                     DosInt
                     dx, string ah, 10
                                                               ; load input buffer start address
          lea
                                                               ; read input string
          mov
          int
                     DosInt
                                                              ; clear upper bx
; load input character length
          mov
                     bh, 0
                    bl, buffln
si, bx
          mov
                                                              ; store length in si
; load address of characters in buffer
          mov
                    bx, strbuf
ah, blank
          lea
                                                              ; load blank charactor in ah
          mov
                    byte ptr [bx+si], ah
                                                               ; replace c.r. with blank
          mov
; (1) string-to-numeric conversion
; (2) compute which month the input day falls in
; (3) printing the month (an example is done for you by the following)
                     dx, December
dece:
          lea
                                                               ; December
                                                               ; I have been using ax to store the day
; and it is being modified by the DOS
quit:
          push
                     ax
                     ah, 9
          mov
          int
                     DosInt
                                                               ; interrupt for printing.
          pop
                     ax
; (4) numeric-to-string conversion for printing the day
                     ax, Terminate
          mov
                                                              ; terminate process
          int
                     DosInt
Cseg
          ends
          end
                     start
```