

NAME

WKDAY – Return the 3-character name of the day of the week for a given day number.

SYNOPSIS

DAY=WKDAY(DAYNO)

DAY is the CHARACTER*3 day name returned
 DAYNO is the INTEGER*4 day number whose weekday name is sought

DESCRIPTION

Positive day numbers count 01 Jan 70 as day 1; that was a Thursday, so if MOD(DAYNO,7) is 0 then day DAYNO is a Wednesday, and so on. Negative day numbers count 31 Dec 69 as day -1; that was a Wednesday, so if MOD(IABS(DAYNO+1),7) is 0 then day DAYNO is a Wednesday, and so on.

LINKAGE

gfortran source.f -L\${HOME}/lib -lmisc

AUTHOR

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EXAMPLE

```

      INTEGER*4 DAYNO, DAYOF
      CHARACTER*3 DAY, WKDAY
      DAYNO=DAYOF(' 31 Jan 22')
      DAY=WKDAY(DAYNO)
      WRITE(6,901) DAY
901 FORMAT(' 31 Jan 22 is a ',A3)
      STOP
      END
  
```

This example produced the following output:

```

unix[1] a.out
31 Jan 22 is a Mon
unix[2]
  
```