

**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(ABS(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]

```