

Clarion Magazine

Next Month Anniversary Date Function

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Reading the [recent article](#) by Carl Barnes has prompted me to put pen to paper (well, I really mean fingers to keyboard).

Often I need to advance a date by one month, but the date in the next month must be based on the anniversary of an original date. In my case, this is the date an account was opened. The standard `DATE ()` function works fine if the account opened date lies between the 1st and 28th day of the first month. But what if an account opened on January 30 2005? Adding one month each time to the previous in the series would give a dates of sequence of Jan 30, March 2 April 2 May 2. Where did the February date go?

So I built a very simple small function I call `nmDate` to give me the date for the next month. I require a date for each month. I pass two values and the function returns the next month's date as a `LONG`.

Here is the declaration:

```
nmDate(LONG piFromDate, LONG piAnnivOf), LONG
```

And here's the code:

```
nmDate      FUNCTION (LONG piFromDate, LONG piAnnivOf) !, LONG
! piFromDate is the date in the month which we want to
! advance and get the Next Months date. The piAnnivOf is
! the day of month value we wish to use as the anniversary
!
NRD      LONG, AUTO
```

```

CODE
CASE piAnnivOf
OF 1 to 28
  NRD = date(MONTH(piFromDate)+1, piAnnivOf ,year(piFromDate))
OF 29 to 31
  NRD= date(MONTH(piFromDate)+1, piAnnivOf ,year(piFromDate))
  IF DAY(NRD) < 5
    LOOP 4 TIMES
      NRD -= 1
      IF DAY(NRD) > 27
        BREAK
      END
    END
  END
ELSE
  NRD = 0
END ! CASE
RETURN NRD

```

Now, using nmDate and a starting date of Jan 31, I get the sequence of Feb 28, March 31, April 30, etc. as shown in Figure 1.

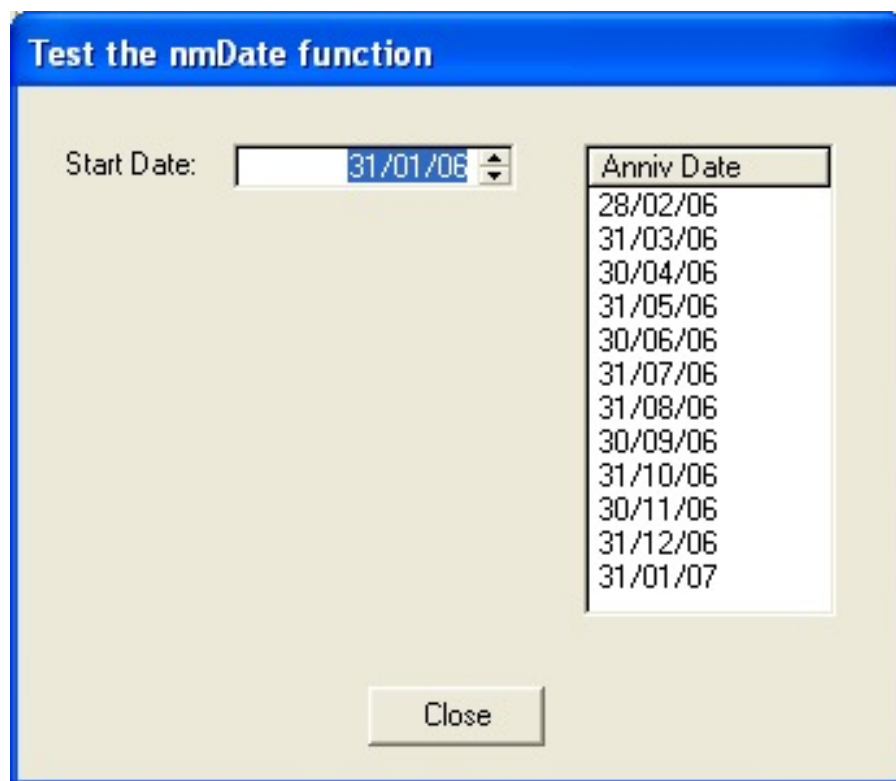


Figure 1. Generating anniversary dates

[Download the source](#)

[John Griffiths](#), an Australian, has been developing with Clarion since the DOS days. John has two summers each year, spending six months in Australia for the Southern summer and six months in Texas for the Northern summer. He works as a contractor for a Texas company and has developed several business/financial programs which he sells worldwide. John has a B.Bus degree with a major in Informations Systems.

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