# SFDB_WKNDate

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- C/C++
- .Net

```
int __stdcall SFDB_WKNDate(LONG     argDate,
                           LPCTSTR  holidays,
                           LPLONG   zDates,
                           size_t   nSize,
                           WORD     wkndNo,
                           WORD     wkdOption,
                           WORD     direction,
                           LPLONG   retVal
                          )
```

Returns the serial date number that corresponds to the first (last) day in the next (last) weekend.

**Returns**

status code of the operation

**Return values**

| | |
|---|---|
| **NDK_SUCCESS** | Operation successful |
| **NDK_FAILED** | Operation unsuccessful. See **SFMacros.h** for more details. |

**See Also**

SFDB_ISWRKDY()

**Parameters**

| | | |
|---|---|---|
| [in] | **argDate** | is a serial date number that represents a given date |
| [in] | **holidays** | is a (:_:) separated list of holiday codes |
| [in] | **zDates** | is an array of holidays dates; each expressed as a serial number (i.e. number of days since 1.1.1970) |
| [in] | **nSize** | is the number of holiday dates in zDates |
| [in] | **wkndNo** | is the weekend number (1-7, 11-17). |
| [in] | **wkdOption** | is a switch to specify how to test for short or long weekends (1 = all (default), 2 = ignore holidays, 3 = only short weekends, 4 = only long weekends). |
| [in] | **direction** | is a switch to select the return output (1 = next weekend (default), 2 = last weekend). |
| [out] | **retVal** | is the serial date number of the next/previous weekend |

```
int SFDB_WKNDate(Long    argDate,
                 string  holidays,
```

```
                long[]   zDates,
                UIntPtr  nSize,
                UInt16   wkndNo,
                UInt16   wkdOption,
                UInt16   direction,
                ref long retVal
               )
```

Returns the serial date number that corresponds to the first (last) day in the next (last) weekend.

**Returns**

status code of the operation

**Return values**

**NDK_SUCCESS** returns an integer

**Parameters**

[in] **argDate** is a serial date number that represents a given date
[in] **holidays** is a (:_:) separated list of holiday codes
[in] **zDates** is an array of holidays dates; each expressed as a serial number (i.e. number of days since 1.1.1970)
[in] **nSize** is the number of holiday dates in zDates
[in] **wkndNo** is the weekend number (1-7, 11-17).
[in] **wkdOption** is a switch to specify how to test for short or long weekends (1 = all (default), 2 = ignore holidays, 3 = only short weekends, 4 = only long weekends).
[in] **direction** is a switch to select the return output (1 = next weekend (default), 2 = last weekend).
[out] **retVal** is the serial date number of the next/previous weekend

**Remarks**

1.
2.

**Exceptions**

| Exception Type | Condition |
|---|---|
| None | N/A |

**Requirements**

| | |
|---|---|
| **Namespace** | NumXLAPI |

| | |
|---|---|
| **Class** | SFDBM |
| **Scope** | Public |
| **Lifetime** | Static |
| **Package** | NumXLAPI.DLL |

**Examples**

**References**


* Hamilton, J .D.; Time Series Analysis , Princeton University Press (1994), ISBN 0-691-04289-6

* Tsay, Ruey S.; Analysis of Financial Time Series John Wiley & SONS. (2005), ISBN 0-471-690740

* D. S.G. Pollock; Handbook of Time Series Analysis, Signal Processing, and Dynamics; Academic Press; Har/Cdr edition(Nov 17, 1999), ISBN: 125609906

* Box, Jenkins and Reisel; Time Series Analysis: Forecasting and Control; John Wiley & SONS.; 4th edition(Jun 30, 2008), ISBN: 470272848


## See Also

[template("related")]