
Subject: Date is broken for years below one.
Posted by [Novo](#) on Mon, 10 May 2010 14:06:15 GMT
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```
const Date date1(0, 1, 1);  
ASSERT(date1.IsValid());  
const int n = date1.Get();  
  
Date date2;  
date2.Set(n);  
  
ASSERT(date1 == date2);
```

I couldn't find description of an algorithm used in UPP, but other libraries (like BOOST) use Julian Day Number to convert date to a number of days. Algorithm for calculation seems to be much simpler in this case.

http://beta.boost.org/doc/libs/1_42_0/boost/date_time/gregorian_calendar.ipp

<http://www.faqs.org/faqs/calendars/faq/part2/>

http://en.wikipedia.org/wiki/Julian_day
