

## date.cm

```
/*  
  
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    http://sourceforge.net/projects/cmajor/  
  
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    (See accompanying LICENSE.txt or http://www.gnu.org/licenses/gpl.html  
    )  
  
*/  
  
// Copyright (c) 1994  
// Hewlett-Packard Company  
// Copyright (c) 1996  
// Silicon Graphics Computer Systems, Inc.  
// Copyright (c) 2009 Alexander Stepanov and Paul McJones  
  
namespace System  
{  
    public class Date  
    {  
        public Date(): year(1u), month(1u), day(1u)  
        {  
        }  
        public Date(ushort year_, byte month_, byte day_): year(year_),  
            month(month_), day(day_)  
        {  
        }  
        public nothrow inline ushort Year() const  
        {  
            return year;  
        }  
        public nothrow inline byte Month() const  
        {  
            return month;  
        }  
        public nothrow inline byte Day() const  
        {  
            return day;  
        }  
        private ushort year;  
        private byte month;  
        private byte day;  
    }  
  
    public nothrow bool operator==(Date left, Date right)  
    {  
        return left.Year() == right.Year() && left.Month() == right.Month()  
            () && left.Day() == right.Day();  
    }  
}
```

```

    }

    public nothrow bool operator<(Date left , Date right)
    {
        if (left.Year() < right.Year()) return true;
        else if (left.Year() > right.Year()) return false;
        else if (left.Month() < right.Month()) return true;
        else if (left.Month() > right.Month()) return false;
        else return left.Day() < right.Day();
    }

    public Date CurrentDate()
    {
        string dateString( ' ', 10);
        int result = get_current_date(dateString.Chars());
        if (result == 0)
        {
            throw Exception("get_current_date failed");
        }
        return ParseDate(dateString);
    }
}

```