
Subject: Very need function Age.

Posted by [sergeynikitin](#) on Tue, 16 Dec 2008 00:26:11 GMT

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Simple function Age (whole years between 2 dates) used in any projects. Maybe include this function in TimeDate.cpp ?

Subject: Re: Very need function Age.

Posted by [sergeynikitin](#) on Tue, 16 Dec 2008 03:52:33 GMT

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Code of function

```
int Age(Date date1, Date date2) {
    Date date_t;
    if (date1 > date2) {
        date_t = date2;
        date2 = date1;
        date1 = date_t;
    }
    if (date2.month > date1.month) return date2.year - date1.year;
    else if (date2.month < date1.month) return date2.year - date1.year - 1;
    else if (date2.month == date1.month) {
        if (date2.day >= date1.day) return date2.year - date1.year;
        else if (date2.day < date1.day) return date2.year - date1.year - 1;
    }
    return -1;
}
```

Subject: Re: Very need function Age.

Posted by [tojocky](#) on Tue, 16 Dec 2008 07:34:33 GMT

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May be:

```
int AgeYears(Date date1, Date date2) {
    int sign=1;
    if (date1 > date2) sign = -1;
    int age_years = sign*(date2.year - date1.year);
    int month_dif = sign*(date2.month - date1.month)
    if ((month_dif < 0)||((month_dif == 0)&&(sign*(date2.day - date1.day) < 0))) age_years--;
    return age_years;
}
```

?
tojocky

Subject: Re: Very need function Age.
Posted by [sergeynikitin](#) on Tue, 16 Dec 2008 12:29:57 GMT
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tojocky wrote on Tue, 16 December 2008 10:34May be:

```
int AgeYears(Date date1, Date date2) {  
    int sign=1;  
    if (date1 > date2) sign = -1;  
    int age_years = sign*(date2.year - date1.year);  
    int month_dif = sign*(date2.month - date1.month)  
    if ((month_dif < 0)||((month_dif == 0)&&(sign*(date2.day - date1.day) < 0))) age_years--;  
    return age_years;  
}
```

?
tojocky

Maybe. It doesn't matter. Last time I use this function anywhere.
This function very is often used.

So it was a request to the developers of inclusion in the assembly.
