

## Re: How to Integer to degree,minute,second conversion...

**Source:** <http://sci.tech-archive.net/Archive/sci.geo.satellite-nav/2004-10/1550.html>

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tomujtaba@hotmail.com (Mujtaba) wrote in message  
news:<8f4f92aa.0410282304.555bff38@posting.google.com>...

> *Hi*

>

> *i am working on a software where i am working with latitude,  
> longitude. I am reading input from XML file where data is in integer  
> format like 408739, -11154  
> etc for latitude and longitude etc. Now i have to process it in  
> degree, minute and second format.*

>

> *Simple is that i want to convert integer(not decimal) to degree,  
> minute, second. Could anybody plz help me out. Any formula or method.*

>

> *Thanks in advance...*

>

> *Mujtaba*

There are at least a dozen or more different ways I can think of, but here's one:

Through the clever use of the 'modulo' operator and the way division works on integers (e.g. remainder is chucked in the bit bucket), you can code up an algorithm which 'peels' from the right one component at a time (e.g. secs first, then mins, then degs.).

Regards,  
Jon