

Re: DAY Number in an Year

Source: <http://coding.derkeiler.com/Archive/Fortran/comp.lang.fortran/2005-09/msg00845.html>

- *From:* harper@xxxxxxxxxxxxx (John Harper)
 - *Date:* 29 Sep 2005 15:05:18 +1200
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In article <1127957350.272566.191140@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>, <prasad413in@xxxxxxxx> wrote:

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>  
> IF(DAY_NO .GT. 365) THEN CURRENT_YEAR = YEAR+1 ??????????  
>It should be a real time run..
```

Someone in a certain aluminium smelting company wrote code like that (I don't know if it was in Fortran) and caused damage costing millions to repair, because the New Zealand potlines turned themselves off suddenly at midnight on 30 Dec 1996. Exactly 2 hours later the same thing happened in Tasmania. More millions gone. But then someone realised that 1996 had 366 days, and was able to prevent the same problem hitting the same company's smelter in Queensland 1 hour later. They were very glad that Qld does not put its clocks forward in summer! Otherwise the Tas and Qld smelters would have gone down simultaneously.

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- *References:*
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 - ◇ *From:* prasad413in
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