
Subject: Re: Convert Integer to Text
Posted by [Dan Blair](#) on Mon, 14 May 2001 03:05:58 GMT
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Mark Hadfield wrote:

```
> From: ""Mark Hadfield"" <m.hadfield@niwa.cri.nz>
>
>> You can add the prefix and suffix via the "+" operator like this...
>>
>>   name = 'MC'+string(index,format='(I3.3)')+'.dcm'
>>
>> or within the format specifier like this...
>>
>>   name = string(index,format=('"MC",I3.3,".dcm"'))
>
> Of course you can also use printf-style format codes (new to IDL 5.4) like
> this
>
>   name = string(index,format='(%"MC%3.3d.dcm"'))
>
> I suppose there must be somebody out there who actually *uses* this stuff?
>
> ---
> Mark Hadfield
> m.hadfield@niwa.cri.nz  http://katipo.niwa.cri.nz/~hadfield
> National Institute for Water and Atmospheric Research
>
> --
> Posted from clam.niwa.cri.nz [202.36.29.1]
> via Mailgate.ORG Server - http://www.Mailgate.ORG
```

A freind of mine wrote a nice thing for just this application. It's a function called
padnumstring.pro

here it is

copy all below this line

```
; Pad 0's at the beginning of a string to make it a
; certain number of characters.
;
; Meant only for integers !
;
```

```

function padnumstring, number, length

numstring = strcompress(string(number),/r)

if strlen(numstring) gt length then begin
  print,'number is too big !'
  stop
end

repeat begin
  if strlen(numstring) lt length then numstring='0'+numstring
endrep until strlen(numstring) eq length

return, numstring

end

```

to above this line

just copy this and name it what I called it.

to make it work put it in a place where you can read idl files
usage:

to get a string from a two digit integer with 5 digits padded with zeros

```

idl> num = 10
idl> a = padnumstring(num,5)
idl> print,a
    a = 00010

```

Best Dan

--

```

=====
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=====

```