
Subject: character class conversions

Posted by [jkj](#) on Wed, 10 Oct 2007 21:29:10 GMT

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Hi,

I found a resolution to my obstacle but the initial problem makes me want to raise a question. I have two date/times expressed as YYYYMMDDHHMMSS and wanted to find the mid-point date/time, initially dividing their sum by "2.", giving me a double:

```
% set btime "19000101000000"
19000101000000
% set etime "21001231235959"
21001231235959
% set mid_time [expr {($btime + $etime) / 2.}]
2.0000666118e+13
```

...what I should have done was divide by "2"
% set mid_time [expr (\$btime + \$etime) / 2]
20000666117979

...but I never did come to grips with how to convert the double to an integer and type-casting does not appear to be a friendly piece of Tcl? I found one post related to type-casting and it was rather involved with the poster providing five separate functions... isn't there a simple way to take "2.0000666118e+13" and convert it to the string "20000666117979"?

I notice that
"string is double \$mid_time" returns true for the double and
"string is alnum \$mid_time" returns true for the integer,
so it seems reasonable to think that Tcl provides some way of converting from the character class double to alnum - am I overlooking something simple?

Thanks,
-Kevin
